flight-price-predicition_final

May 27, 2024

1 Flight Price Prediction

In this notebook, we will consider the problem of modelling flight price predicition based on the data from Kaggle website.

1.1 Data Loading and Preparation

This section outlines the process of loading datasets, calculating distances between cities, and preparing the data for further analysis.

1.1.1 Step-by-Step Process

1. **Load Datasets**:
   - Load `business.csv`, `economy.csv`, `Clean_Dataset.csv`, and `Clean_Dataset_Updated.csv`.
2. **Print DataFrame Heads**:
   - Display the first few rows of each loaded DataFrame to understand their structure.
3. **Define City Coordinates**:
   - Create a dictionary containing latitude and longitude information for major cities.
4. **Identify Missing Cities**:
   - Identify cities present in the dataset but missing from the `locations` dictionary.
5. **Calculate Distance Using Haversine Formula**:
   - Define the Haversine formula to calculate the distance between two geographical points.
   - Apply this formula to each row in the dataset to calculate the distance between `source_city` and `destination_city`.
6. **Update and Inspect DataFrame**:
   - Add a `distance` column to `Clean_Dataset_Updated.csv`.
   - Inspect the updated DataFrame.

1.2 Import Necessary Libraries

First, we need to import the libraries that will be used throughout this notebook.

```python
import pandas as pd
import numpy as np
import seaborn as sns
import matplotlib.pyplot as plt
import sklearn as skl
from sklearn import datasets
```

```python
from sklearn.model_selection import train_test_split
from sklearn.linear_model import LinearRegression
from sklearn.metrics import mean_squared_error,mean_absolute_error, r2_score
from sklearn.preprocessing import PolynomialFeatures
from sklearn.feature_selection import mutual_info_regression
from sklearn.model_selection import cross_val_score
from sklearn.model_selection import KFold
from sklearn.model_selection import cross_val_predict
from sklearn.model_selection import cross_validate
import sys
```

```python
# Load datasets
business_df = pd.read_csv('../datasets/business.csv')
economy_df = pd.read_csv('../datasets/economy.csv')
clean_dataset = pd.read_csv('../datasets/Clean_Dataset.csv')
clean_dataset_updated = pd.read_csv('../datasets/Clean_Dataset_Updated.csv')
business_df.head()
economy_df.head()
clean_dataset.head()
clean_dataset_updated.head()
```

```
   Unnamed: 0   airline   flight source_city departure_time stops  \
0           0  SpiceJet  SG-8709       Delhi        Evening  zero
1           1  SpiceJet  SG-8157       Delhi  Early_Morning  zero
2           2   AirAsia   I5-764       Delhi  Early_Morning  zero
3           3   Vistara   UK-995       Delhi        Morning  zero
4           4   Vistara   UK-963       Delhi        Morning  zero

     arrival_time destination_city    class  duration  days_left  price  \
0           Night           Mumbai  Economy      2.17          1   5953
1         Morning           Mumbai  Economy      2.33          1   5953
2   Early_Morning           Mumbai  Economy      2.17          1   5956
3       Afternoon           Mumbai  Economy      2.25          1   5955
4         Morning           Mumbai  Economy      2.33          1   5955

   combined_date
0    2022-02-11
1    2022-02-11
2    2022-02-11
3    2022-02-11
4    2022-02-11
```

```python
import pandas as pd
import numpy as np

# Create a dictionary containing city information
locations = {
```

```python
    'Delhi': (28.7041, 77.1025),
    'Mumbai': (19.0760, 72.8777),
    'Bangalore': (12.9716, 77.5946),
    'Hyderabad': (17.3850, 78.4867),
    'Kolkata': (22.5726, 88.3639),
    'Chennai': (13.0827, 80.2707)
}

df = pd.read_csv('../datasets/Clean_Dataset_Updated.csv')
# Find the unique city names in the DataFrame
source_cities = set(df['source_city'].unique())
destination_cities = set(df['destination_city'].unique())
all_cities = source_cities.union(destination_cities)

# Find the missing cities in the locations dictionary
missing_cities = [city for city in all_cities if city not in locations]
print("The city lost in dictionary:", missing_cities)

def haversine(lat1, lon1, lat2, lon2):
    # Convert angles to radians
    lon1, lat1, lon2, lat2 = map(np.radians, [lon1, lat1, lon2, lat2])

    # Calculate the difference in latitude and longitude
    dlon = lon2 - lon1
    dlat = lat2 - lat1

    # Apply the Haversine formula
    a = np.sin(dlat/2.0)**2 + np.cos(lat1) * np.cos(lat2) * np.sin(dlon/2.0)**2
    c = 2 * np.arcsin(np.sqrt(a))
    # The Earth's radius is approximately 6371 kilometers
    km = 6371 * c
    return km

# Read the DataFrame
# clean_dataset = pd.read_csv('../datasets/Clean_Dataset.csv')
clean_dataset_updated = pd.read_csv('../datasets/Clean_Dataset_Updated.csv')
# Calculate the distance for each row and add it to a new column
clean_dataset_updated['distance'] = clean_dataset_updated.apply(lambda row:
 ↪haversine(locations[row['source_city']][0],

 ↪locations[row['source_city']][1],

 ↪locations[row['destination_city']][0],

 ↪locations[row['destination_city']][1]), axis=1)

# View the updated DataFrame
```

```
clean_dataset_updated.head()
```

The city lost in dictionary: []

```
[ ]:    Unnamed: 0    airline    flight source_city departure_time stops  \
        0           0   SpiceJet  SG-8709        Delhi        Evening   zero
        1           1   SpiceJet  SG-8157        Delhi  Early_Morning   zero
        2           2    AirAsia   I5-764        Delhi  Early_Morning   zero
        3           3    Vistara   UK-995        Delhi        Morning   zero
        4           4    Vistara   UK-963        Delhi        Morning   zero

          arrival_time destination_city    class  duration  days_left  price  \
        0        Night           Mumbai  Economy      2.17          1   5953
        1      Morning           Mumbai  Economy      2.33          1   5953
        2  Early_Morning          Mumbai  Economy      2.17          1   5956
        3    Afternoon           Mumbai  Economy      2.25          1   5955
        4      Morning           Mumbai  Economy      2.33          1   5955

          combined_date      distance
        0    2022-02-11  1153.241291
        1    2022-02-11  1153.241291
        2    2022-02-11  1153.241291
        3    2022-02-11  1153.241291
        4    2022-02-11  1153.241291
```

```
[ ]: clean_dataset.shape
     clean_dataset.describe(include='all')
```

```
[ ]:              Unnamed: 0   airline   flight source_city departure_time    stops  \
     count    300153.000000    300153   300153      300153         300153   300153
     unique             NaN         6     1561           6              6        3
     top                NaN   Vistara   UK-706       Delhi        Morning      one
     freq               NaN    127859     3235       61343          71146   250863
     mean     150076.000000       NaN      NaN         NaN            NaN      NaN
     std       86646.852011       NaN      NaN         NaN            NaN      NaN
     min           0.000000       NaN      NaN         NaN            NaN      NaN
     25%       75038.000000       NaN      NaN         NaN            NaN      NaN
     50%      150076.000000       NaN      NaN         NaN            NaN      NaN
     75%      225114.000000       NaN      NaN         NaN            NaN      NaN
     max      300152.000000       NaN      NaN         NaN            NaN      NaN

             arrival_time destination_city    class      duration      days_left  \
     count         300153           300153   300153  300153.000000  300153.000000
     unique             6                6        2            NaN            NaN
     top            Night           Mumbai  Economy            NaN            NaN
     freq           91538            59097   206666            NaN            NaN
     mean             NaN              NaN      NaN      12.221021      26.004751
     std              NaN              NaN      NaN       7.191997      13.561004
```

```
min            NaN                NaN      NaN      0.830000       1.000000
25%            NaN                NaN      NaN      6.830000      15.000000
50%            NaN                NaN      NaN     11.250000      26.000000
75%            NaN                NaN      NaN     16.170000      38.000000
max            NaN                NaN      NaN     49.830000      49.000000

                     price
count     300153.000000
unique              NaN
top                 NaN
freq                NaN
mean       20889.660523
std        22697.767366
min         1105.000000
25%         4783.000000
50%         7425.000000
75%        42521.000000
max       123071.000000
```

```
[ ]: clean_dataset.dropna(inplace=True)
     clean_dataset.shape
```

```
[ ]: (300153, 12)
```

```
[ ]: clean_dataset.isnull().sum()
```

```
[ ]: Unnamed: 0         0
     airline            0
     flight             0
     source_city        0
     departure_time     0
     stops              0
     arrival_time       0
     destination_city   0
     class              0
     duration           0
     days_left          0
     price              0
     dtype: int64
```

1.3 Integrating Dates from Business and Economy Datasets

In this section, we aim to update the `Clean_Dataset.csv` by incorporating dates from the `business.csv` and `economy.csv` datasets. The steps are as follows:

1. **Load the Datasets**: Load `business.csv`, `Clean_Dataset.csv`, and `economy.csv`.

2. **Format Dates Consistently**: Ensure the date columns in `business.csv` and `economy.csv` are in a consistent datetime format (`%d-%m-%Y`).

3. **Combine Date Columns**: Concatenate the date columns from `economy.csv` and `business.csv` into a single series.

4. **Truncate Combined Dates**: Truncate the combined dates to match the length of `Clean_Dataset.csv`.

5. **Update Clean Dataset**: Add the combined dates as a new column, `combined_date`, to `Clean_Dataset.csv`.

6. **Save the Updated DataFrame**: Save the updated DataFrame to `Clean_Dataset_Updated.csv`.

```python
import pandas as pd

# Load the datasets
business_df = pd.read_csv('../datasets/business.csv')
clean_dataset_df = pd.read_csv('../datasets/Clean_Dataset.csv')
economy_df = pd.read_csv('../datasets/economy.csv')

# Ensure the dates are in a consistent format
business_df['date'] = pd.to_datetime(business_df['date'], format='%d-%m-%Y')
economy_df['date'] = pd.to_datetime(economy_df['date'], format='%d-%m-%Y')

# Concatenate the date columns from economy and business
combined_dates = pd.concat([economy_df['date'], business_df['date']],
    ignore_index=True)

# Ensure the combined_dates has the same length as cleandataset
combined_dates = combined_dates[:len(clean_dataset_df)]

# Add the combined dates to cleandataset
clean_dataset_df['combined_date'] = combined_dates

# Save the updated dataframe to a new CSV
updated_file_path = '../datasets/Clean_Dataset_Updated.csv'
clean_dataset_df.to_csv(updated_file_path, index=False)

print(f"Updated file saved to {updated_file_path}")
```
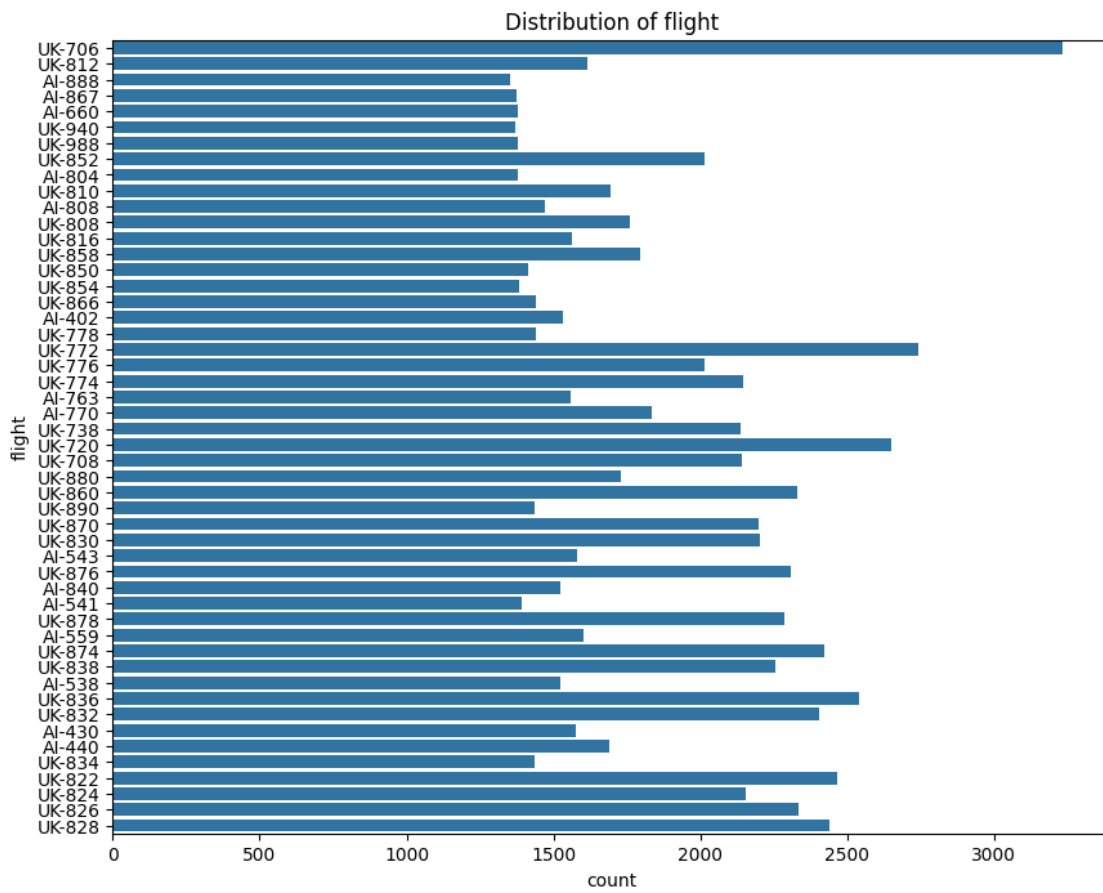
Updated file saved to ../datasets/Clean_Dataset_Updated.csv
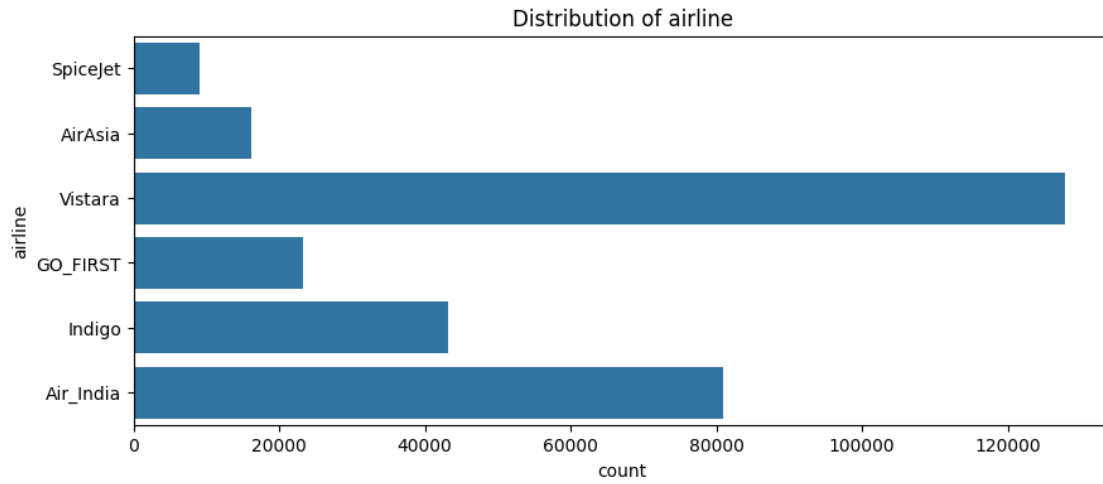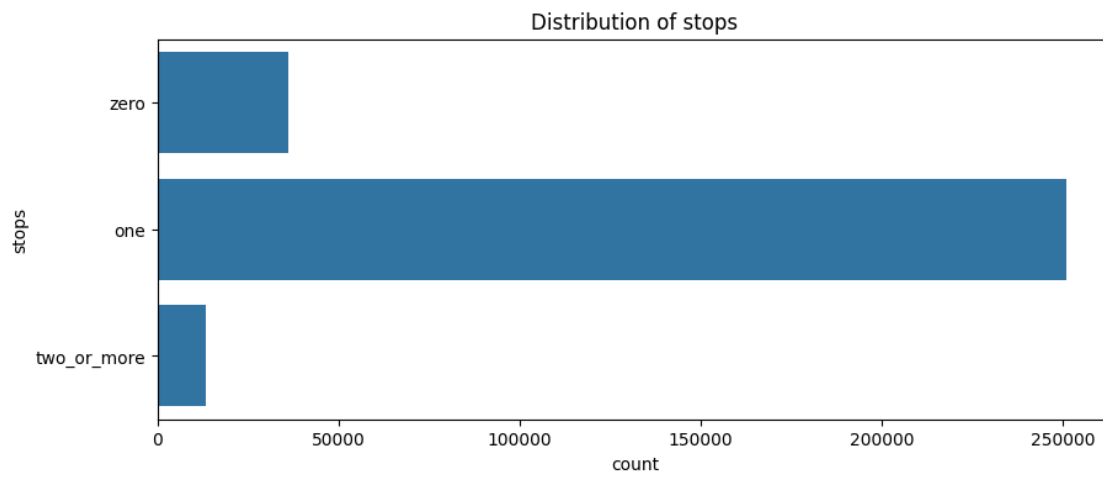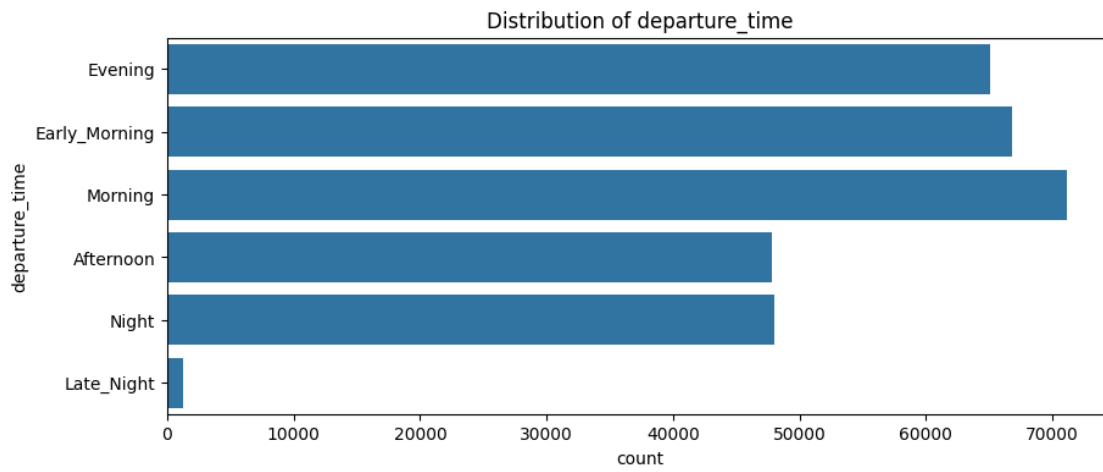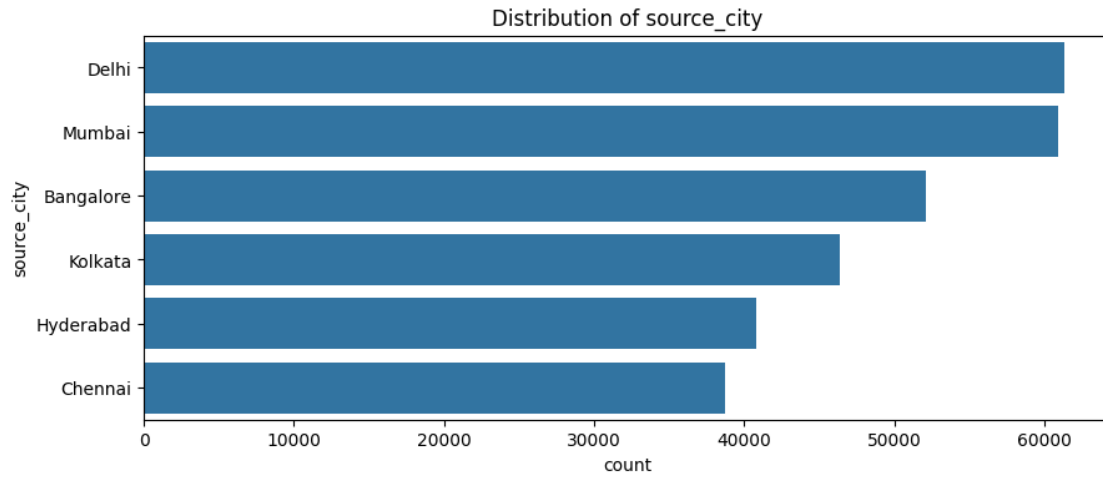
2 Let's visualize the first few rows of the dataset

```python
# Plotting histograms for all numeric features to understand distributions
# exclude the unnamed column
clean_dataset.drop('Unnamed: 0', axis=1, inplace=True)
clean_dataset.hist(bins=15, figsize=(15, 10), layout=(4, 4))
plt.suptitle('Histograms of numeric features')
plt.show()
```
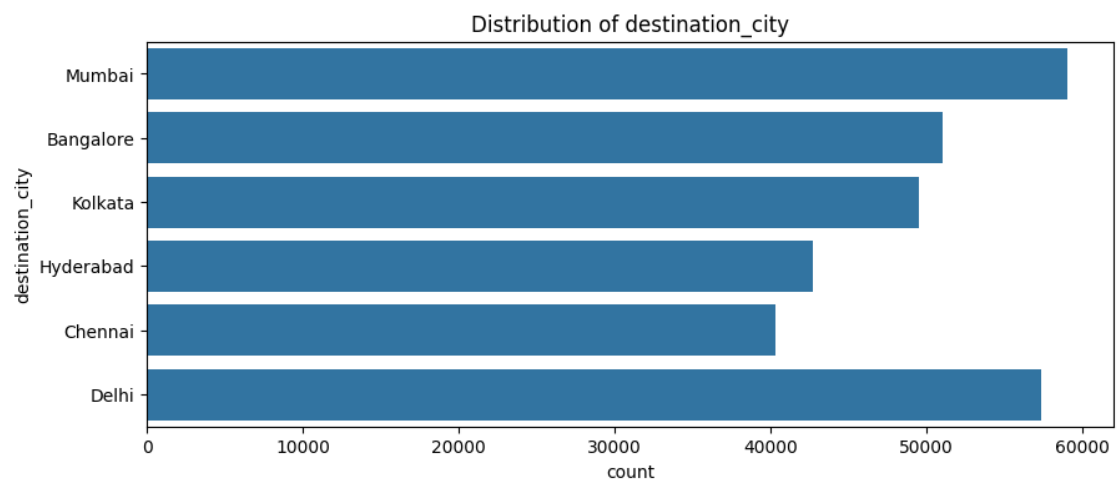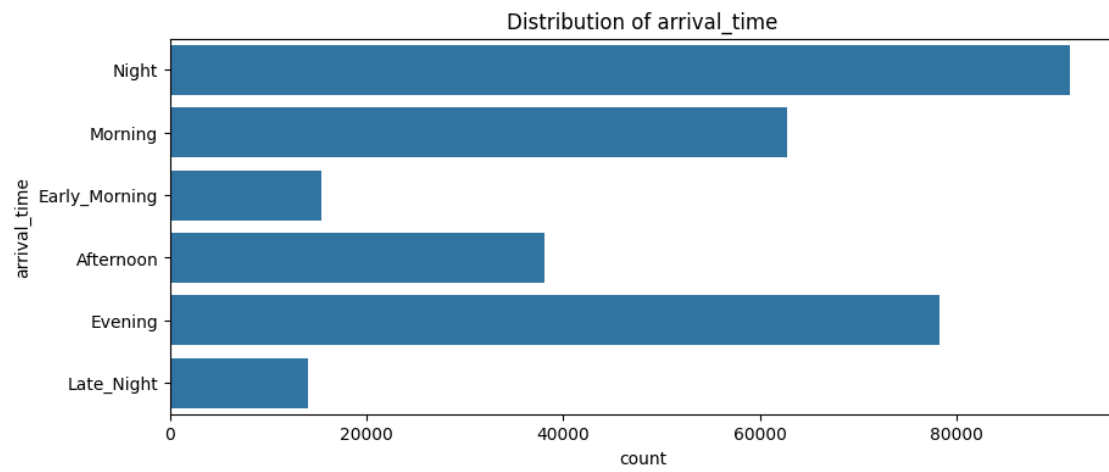
Histograms of numeric features
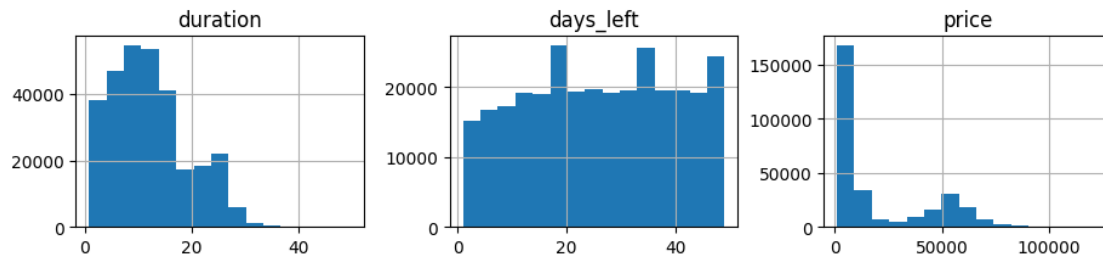

```
# For categorical data, we can use count plots to understand the distribution
 ↪of categories
for column in clean_dataset.select_dtypes(include=['object']).columns:
    # Plotting count plots for all categorical features
    # If the number of categories is too high,e.g., flight, we can filter the
 ↪top 50 categories to make the plot more readable
    if column != 'flight':
        plt.figure(figsize=(10, 4))
        sns.countplot(y=column, data=clean_dataset)
        plt.title(f'Distribution of {column}')
        plt.show()
    else:
        top_categories = clean_dataset[column].value_counts().index[:50]  # Get
 ↪top 50 categories
        filtered_data = clean_dataset[clean_dataset[column].
 ↪isin(top_categories)]
        plt.figure(figsize=(10, 8))
        sns.countplot(y=column, data=filtered_data)
        plt.yticks(fontsize=10)
        plt.title(f'Distribution of {column}')
        plt.show()
```

Distribution of airline

Distribution of flight

Distribution of source_city

Distribution of departure_time

Distribution of stops

Distribution of arrival_time

Distribution of destination_city

Distribution of class

Economy

Business

class

count

0   25000   50000   75000   100000   125000   150000   175000   200000
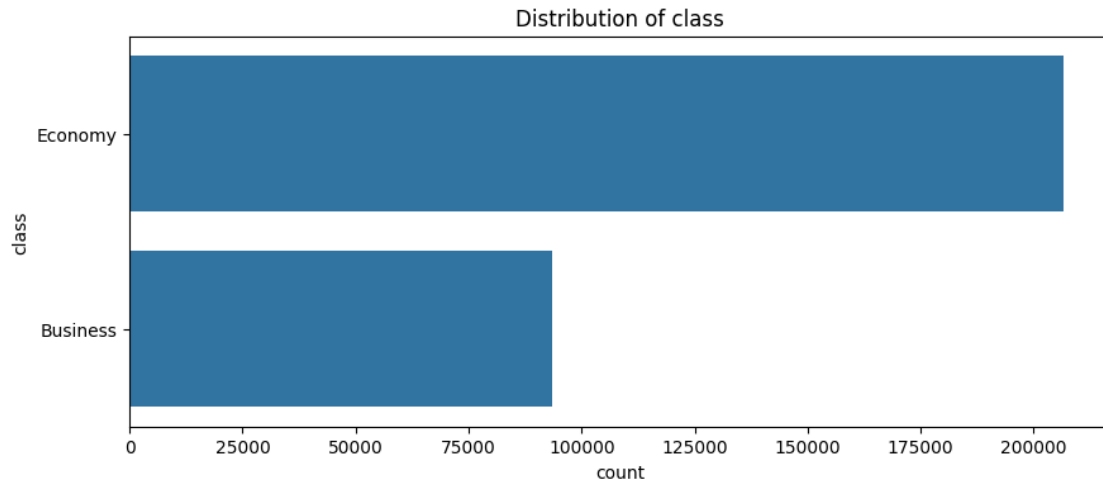
```
# Boxplot for the price column to see its distribution and spot any outliers
plt.figure(figsize=(10, 5))
sns.boxplot(x=clean_dataset['price'])
plt.title('Boxplot of ticket prices')
plt.show()
```
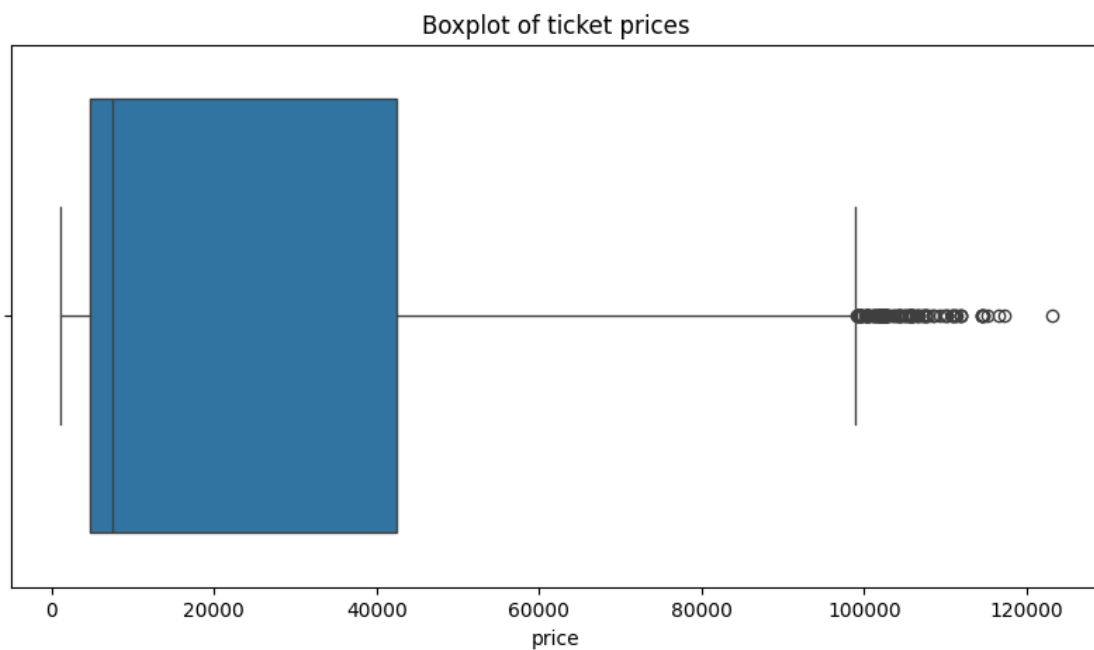
Boxplot of ticket prices

price

0   20000   40000   60000   80000   100000   120000

```
# A scatter plot to visualize the relationship between two variables, for
 ↪example, price and duration
```

```
plt.figure(figsize=(10, 5))
sns.scatterplot(x=clean_dataset['duration'], y=clean_dataset['price'])
plt.title('Scatter plot of Price vs. Duration')
plt.xlabel('Duration')
plt.ylabel('Price')
plt.show()
```


Scatter plot of Price vs. Duration
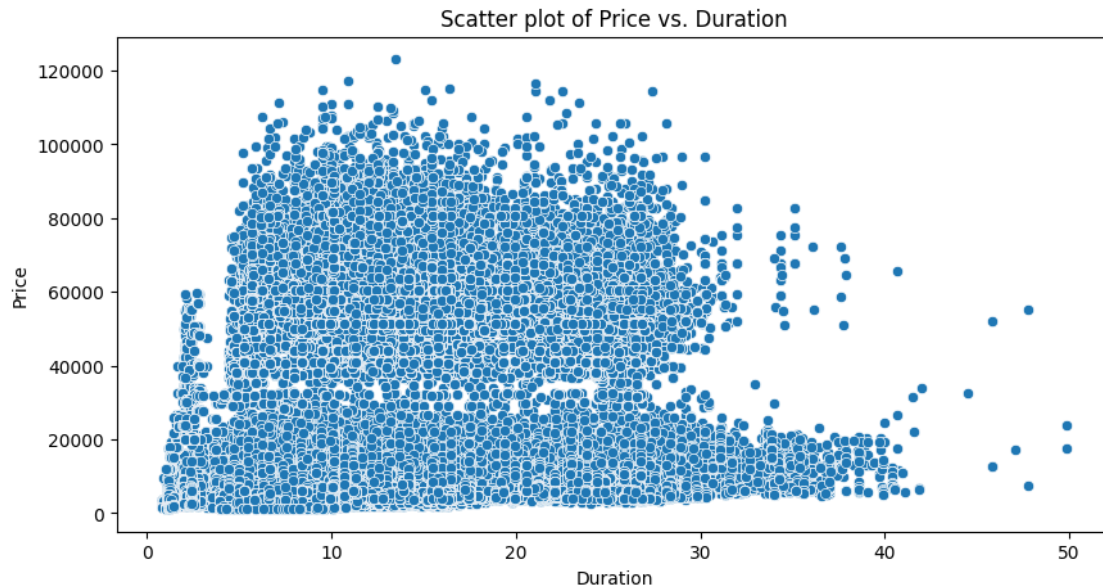
```
# Correlation heatmap to understand the relationships between variables
# Select only the numeric columns for correlation
numeric_dataset = clean_dataset.select_dtypes(include=[np.number])
correlation_matrix = numeric_dataset.corr()
```

```
# Visualize the correlation matrix
plt.figure(figsize=(10, 8))
sns.heatmap(correlation_matrix, annot=True, cmap='coolwarm')
plt.title('Correlation Heatmap')
plt.show()
```

Correlation Heatmap

	duration	days_left	price
duration	1	-0.039	0.2
days_left	-0.039	1	-0.092
price	0.2	-0.092	1
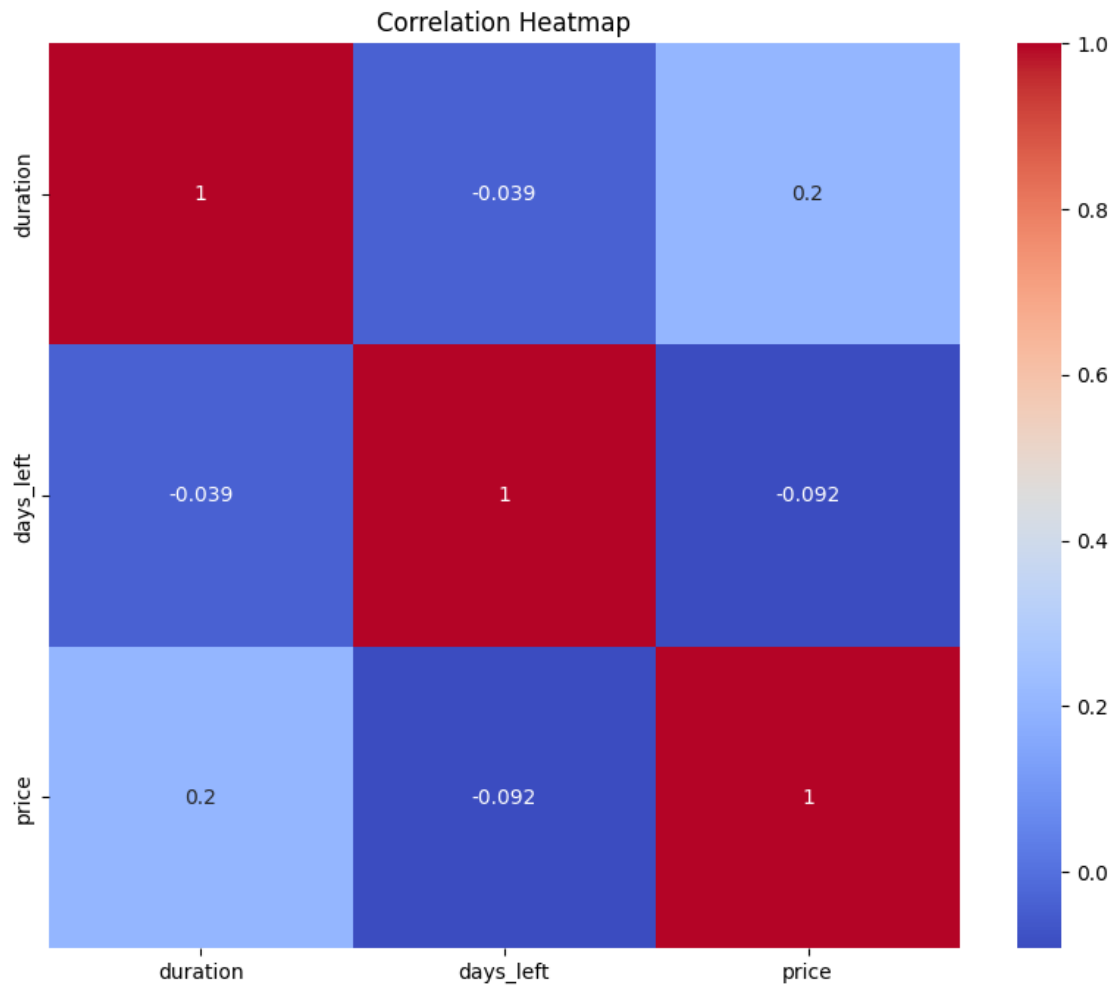
```
plt.figure(figsize = (18,5))
plt.subplot(1,2,1)
sns.histplot(x = 'price', data = clean_dataset, kde = True)
plt.subplot(1,2,2)
sns.boxplot(x = 'price', data = clean_dataset)
```

```
<Axes: xlabel='price'>
```
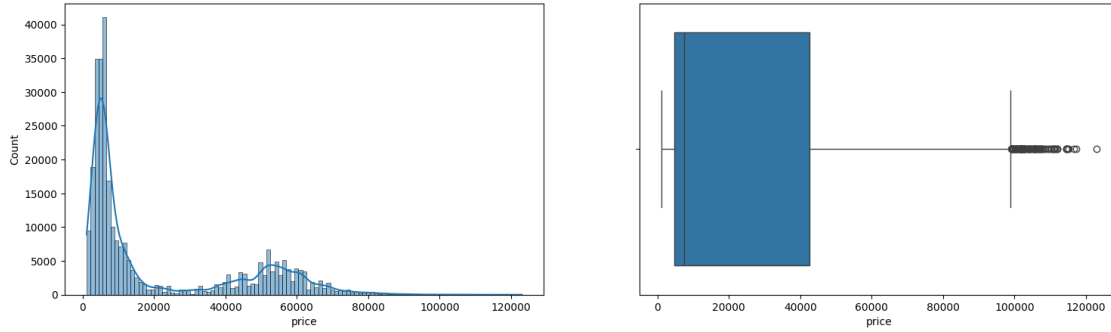
```
[ ]: plt.figure(figsize=(20, 10))
     sns.barplot(x='airline',y='price',hue="class",data=clean_dataset.
      ↪sort_values("price")).set_title('Airline prices based on the class and␣
      ↪company',fontsize=20)
```

```
[ ]: Text(0.5, 1.0, 'Airline prices based on the class and company')
```
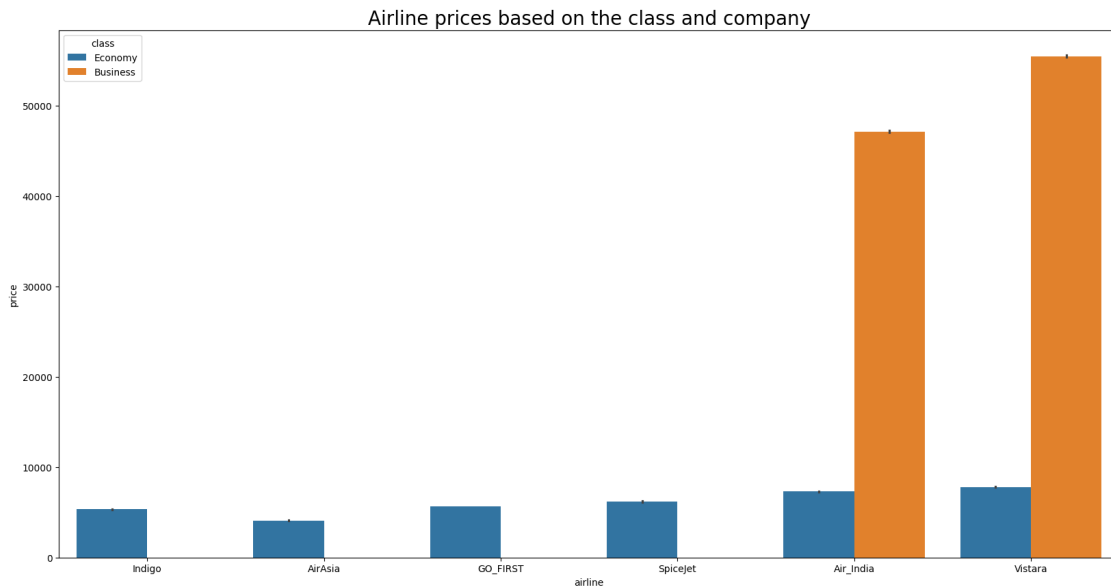

3 Make data transformation

This section describes the steps taken to transform the `clean_dataset` to prepare it for further analysis or modeling. The transformation includes adding new features, encoding categorical variables, and dropping unnecessary columns. The steps are as follows:

1. **Create a Copy of the Dataset**: A copy of `clean_dataset` is made to ensure the original dataset remains unchanged.

2. **Encode Class Column**:

   - Add a new column `Economy` to indicate if the class is 'Economy'.
   - Drop the original `class` column.

3. **Map City Population Sizes**:

   - Replace `source_city` and `destination_city` with their respective population sizes (data from 2011).
   - Drop the original `source_city` and `destination_city` columns.

4. **One-Hot Encoding for Time Columns**:

   - Perform one-hot encoding on `departure_time` and `arrival_time` columns.

5. **Map Stops to Numerical Values**:

   - Replace `stops` with numerical values.
   - Drop the original `stops` column.

6. **One-Hot Encoding for Airline Column**:

   - Perform one-hot encoding on the `airline` column.

```
transformed_dataset = clean_dataset.copy()
transformed_dataset['Economy'] = clean_dataset['class'] == 'Economy'
transformed_dataset.drop('class', axis=1, inplace=True)
```

```
#transformed_dataset['source_city'].unique()
```

```
city_size = { # this is for year 2011 - https://en.wikipedia.org/wiki/
 ↪List_of_cities_in_India_by_population
    'Delhi': 110,
    'Mumbai': 124,
    'Bangalore': 84,
    'Kolkata': 44,
    'Hyderabad': 69,
    'Chennai' : 46
}
transformed_dataset['source_size'] = transformed_dataset['source_city'].
 ↪replace(city_size)
transformed_dataset.drop('source_city', axis=1, inplace=True)
transformed_dataset['destination_size'] =␣
 ↪transformed_dataset['destination_city'].replace(city_size)
transformed_dataset.drop('destination_city', axis=1, inplace=True)
```

/tmp/ipykernel_2570/2533689888.py:9: FutureWarning: Downcasting behavior in
`replace` is deprecated and will be removed in a future version. To retain the
old behavior, explicitly call `result.infer_objects(copy=False)`. To opt-in to
the future behavior, set `pd.set_option('future.no_silent_downcasting', True)`
  transformed_dataset['source_size'] =
transformed_dataset['source_city'].replace(city_size)

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```python
transformed_dataset = pd.
 ↪get_dummies(transformed_dataset,columns=['departure_time','arrival_time'])
```

```python
stops = {
    'zero': 0,
    'one': 1,
    'two_or_more': 2,
}
transformed_dataset['stops_num'] = transformed_dataset['stops'].replace(stops)
transformed_dataset.drop('stops', axis=1, inplace=True)
```

```python
transformed_dataset = pd.get_dummies(transformed_dataset,columns=['airline'])
```

```python
transformed_dataset['flight_num'] = pd.
 ↪factorize(transformed_dataset['flight'])[0]
transformed_dataset.drop('flight', axis=1, inplace=True)
```

```python
transformed_dataset.head()
```

```
   duration  days_left  price  Economy  source_size  destination_size  \
0      2.17          1   5953     True          110               124
1      2.33          1   5953     True          110               124
2      2.17          1   5956     True          110               124
3      2.25          1   5955     True          110               124
4      2.33          1   5955     True          110               124

   departure_time_Afternoon  departure_time_Early_Morning  \
0                     False                         False
1                     False                          True
2                     False                          True
3                     False                         False
4                     False                         False

   departure_time_Evening  departure_time_Late_Night  …  \
0                    True                      False  …
```

```
1                    False                         False  …
2                    False                         False  …
3                    False                         False  …
4                    False                         False  …

   arrival_time_Morning  arrival_time_Night  stops_num  airline_AirAsia  \
0                 False                True          0            False
1                  True               False          0            False
2                 False               False          0             True
3                 False               False          0            False
4                  True               False          0            False

   airline_Air_India  airline_GO_FIRST  airline_Indigo  airline_SpiceJet  \
0              False             False           False              True
1              False             False           False              True
2              False             False           False             False
3              False             False           False             False
4              False             False           False             False

   airline_Vistara  flight_num
0            False           0
1            False           1
2            False           2
3             True           3
4             True           4

[5 rows x 26 columns]
```

```python
transformed_dataset.describe()
# output the transformed dataset to a new CSV file
transformed_dataset.to_csv('../datasets/Transformed_Dataset.csv', index=False)
```

3.1 MCMC Model Training and Evaluation

This section details the process of training and evaluating a model using the
`clean_dataset_updated` dataset. The steps include preparing the dataset, encoding features,
calculating transition matrices, and evaluating model accuracy using 5-fold cross-validation.

3.1.1 Data Preparation and Feature Engineering

1. **Ensure Date Column Type**:
   - Convert the `combined_date` column to datetime type.
   - Extract day of the week, week of the year, and month from `combined_date`.
   - Identify holidays in India and mark them in the dataset.
2. **Create Route-Class Identifier**:
   - Combine `source_city`, `destination_city`, and `class` into a single identifier column
     `route_class`.
3. **Discretize Price**:

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- Use `KBinsDiscretizer` to divide the `price` column into 5 intervals (`price_bin`).
4. **Group Days Left**:
   - Bin the `days_left` column into 10 intervals (`days_left_bin`).

3.1.2 Cross-Validation Setup

- Initialize 5-fold cross-validation.
- Prepare dictionaries to store cross-validation results and accuracies for each route-class.

3.1.3 Transition Matrix Calculation

- For each training fold:
  - Calculate transition matrices for each route-class based on time features, holidays, and days left.
  - Determine the most common initial price state for each route-class.

3.1.4 Model Evaluation

- For each test fold:
  - Evaluate model accuracy for each route-class using the transition matrices.
  - Calculate overall fold accuracy and store results.

3.1.5 Output Results

- Print model accuracy for each fold and the average accuracy across all folds.
- Print model accuracy for each route-class.
- Calculate and print overall MSE, R^2, and RMSE.
- Display likely price predictions for each route-class based on transition matrices.

```python
import pandas as pd
import numpy as np
from sklearn.preprocessing import KBinsDiscretizer
from sklearn.model_selection import train_test_split
import holidays

# Assume that the 'clean_dataset_updated' has a 'combined_date' column
clean_dataset_updated['combined_date'] = pd.
 ↪to_datetime(clean_dataset_updated['combined_date'])

# Ensure that the 'combined_date' column has been converted to datetime type
if clean_dataset_updated['combined_date'].dtype == '<M8[ns]':
    clean_dataset_updated['day_of_week'] =␣
 ↪clean_dataset_updated['combined_date'].dt.dayofweek
    clean_dataset_updated['week_of_year'] =␣
 ↪clean_dataset_updated['combined_date'].dt.isocalendar().week
    clean_dataset_updated['month'] = clean_dataset_updated['combined_date'].dt.
 ↪month

    # Get holidays in India
```

```
    india_holidays = holidays.country_holidays('IN',␣
↪years=clean_dataset_updated['combined_date'].dt.year.unique())
    clean_dataset_updated['is_holiday'] =␣
↪clean_dataset_updated['combined_date'].isin(india_holidays)
```

/tmp/ipykernel_2570/2493624178.py:18: FutureWarning: The behavior of 'isin' with
dtype=datetime64[ns] and castable values (e.g. strings) is deprecated. In a
future version, these will not be considered matching by isin. Explicitly cast
to the appropriate dtype before calling isin instead.
  clean_dataset_updated['is_holiday'] =
clean_dataset_updated['combined_date'].isin(india_holidays)

```python
# Create a combination identifier column for route and class categories
clean_dataset_updated['route_class'] = clean_dataset_updated['source_city'] +␣
 ↪'-' + clean_dataset_updated['destination_city'] + '-' +␣
 ↪clean_dataset_updated['class']
```

```python
# Use KBinsDiscretizer to divide the price into several intervals
n_bins = 5
binning = KBinsDiscretizer(n_bins=n_bins, encode='ordinal', strategy='uniform')
clean_dataset_updated['price_bin'] = binning.
 ↪fit_transform(clean_dataset_updated[['price']]).astype(int)

# Group the days_left to reduce the number of unique values
days_left_bins = 10
clean_dataset_updated['days_left_bin'] = pd.
 ↪cut(clean_dataset_updated['days_left'], bins=days_left_bins, labels=False)

max_bin = clean_dataset_updated['price_bin'].max() + 1  # Maximum number of␣
 ↪states in the entire dataset
```

/home/siyan/.local/lib/python3.10/site-
packages/sklearn/preprocessing/_discretization.py:248: FutureWarning: In version
1.5 onwards, subsample=200_000 will be used by default. Set subsample explicitly
to silence this warning in the mean time. Set subsample=None to disable
subsampling explicitly.
  warnings.warn(

```python
# Use KFold for 5-fold cross-validation
kf = KFold(n_splits=5, shuffle=True, random_state=42)

# Prepare a dictionary to store cross-validation results
cv_accuracies = []
route_class_accuracies = {route_class: [] for route_class in␣
 ↪clean_dataset_updated['route_class'].unique()}

# Initialize global lists to store all actual values and predictions
all_actuals = []
```

```
all_predictions = []
```

```
import time
start_time = time.time()

for train_index, test_index in kf.split(clean_dataset_updated):
    train_data = clean_dataset_updated.iloc[train_index]
    test_data = clean_dataset_updated.iloc[test_index]

    # Prepare two dictionaries to store the transition matrix and the most␣
 ↪common initial price state for each route
    route_class_matrices = {}
    route_class_common_initial_states = {}

    # Calculate the transition probability matrix for each route
    for route_class in train_data['route_class'].unique():
        sub_df = train_data[train_data['route_class'] == route_class]
        transition_matrix = np.zeros((max_bin, max_bin))

        # Calculate the transition probability matrix based on time features,␣
 ↪holidays, and days_left_bin
        for is_holiday in [True, False]:
            for day_of_week in range(7):
                for days_left_bin in range(days_left_bins):
                    filtered_data = sub_df[
                        (sub_df['is_holiday'] == is_holiday) &
                        (sub_df['day_of_week'] == day_of_week) &
                        (sub_df['days_left_bin'] == days_left_bin)
                    ]
                    for i in range(len(filtered_data) - 1):
                        current_state = int(filtered_data.iloc[i]['price_bin'])
                        next_state = int(filtered_data.iloc[i + 1]['price_bin'])
                        transition_matrix[current_state, next_state] += 1

        # Convert counts to probabilities
        row_sums = transition_matrix.sum(axis=1)
        for i in range(len(row_sums)):
            if row_sums[i] != 0:
                transition_matrix[i] /= row_sums[i]

        route_class_matrices[route_class] = transition_matrix
        # Find the most common initial price state for each route
        most_common_initial_state = np.argmax(sub_df['price_bin'].
 ↪value_counts().values)
        route_class_common_initial_states[route_class] =␣
 ↪most_common_initial_state
```

```python
        # Testing phase: Evaluate the model fit for each route
        accuracies = {}

        for route_class in test_data['route_class'].unique():
            sub_df = test_data[test_data['route_class'] == route_class]
            if route_class in route_class_matrices:
                correct_predictions = 0
                total_predictions = 0

                for i in range(len(sub_df) - 1):
                    current_state = int(sub_df.iloc[i]['price_bin'])
                    next_state = int(sub_df.iloc[i + 1]['price_bin'])
                    predicted_state = np.
 ↪argmax(route_class_matrices[route_class][current_state])

                    if predicted_state == next_state:
                        correct_predictions += 1
                    total_predictions += 1

                    # Collect actual values and predicted values
                    all_actuals.append(next_state)
                    all_predictions.append(predicted_state)

                if total_predictions > 0:
                    accuracies[route_class] = correct_predictions /
 ↪total_predictions
                    route_class_accuracies[route_class].
 ↪append(accuracies[route_class])

        # Calculate the average accuracy of the current fold
        fold_accuracy = np.mean(list(accuracies.values()))
        cv_accuracies.append(fold_accuracy)
```

```python
[ ]: # Output the model accuracy for each fold
     for i, accuracy in enumerate(cv_accuracies):
         print(f"Fold {i+1} model accuracy: {accuracy:.2f}")

     # Output the average model accuracy across all folds
     print(f"Average model accuracy over 5 folds: {np.mean(cv_accuracies):.2f}")
```

```
Fold 1 model accuracy: 0.91
Fold 2 model accuracy: 0.91
Fold 3 model accuracy: 0.91
Fold 4 model accuracy: 0.91
Fold 5 model accuracy: 0.91
Average model accuracy over 5 folds: 0.91
```

```
# Output the model accuracy for each route class and cabin
for route_class, accuracies in route_class_accuracies.items():
    if len(accuracies) > 0:
        print(f"Average model accuracy for route and class {route_class}: {np.
 ↪mean(accuracies):.2f}")
    else:
        print(f"Not enough data to evaluate model accuracy for route and class␣
 ↪{route_class}")
```

```
Average model accuracy for route and class Delhi-Mumbai-Economy: 1.00
Average model accuracy for route and class Delhi-Bangalore-Economy: 1.00
Average model accuracy for route and class Delhi-Kolkata-Economy: 1.00
Average model accuracy for route and class Delhi-Hyderabad-Economy: 1.00
Average model accuracy for route and class Delhi-Chennai-Economy: 1.00
Average model accuracy for route and class Mumbai-Delhi-Economy: 1.00
Average model accuracy for route and class Mumbai-Bangalore-Economy: 1.00
Average model accuracy for route and class Mumbai-Kolkata-Economy: 1.00
Average model accuracy for route and class Mumbai-Hyderabad-Economy: 1.00
Average model accuracy for route and class Mumbai-Chennai-Economy: 1.00
Average model accuracy for route and class Bangalore-Delhi-Economy: 1.00
Average model accuracy for route and class Bangalore-Mumbai-Economy: 1.00
Average model accuracy for route and class Bangalore-Kolkata-Economy: 1.00
Average model accuracy for route and class Bangalore-Hyderabad-Economy: 1.00
Average model accuracy for route and class Bangalore-Chennai-Economy: 1.00
Average model accuracy for route and class Kolkata-Delhi-Economy: 1.00
Average model accuracy for route and class Kolkata-Mumbai-Economy: 1.00
Average model accuracy for route and class Kolkata-Bangalore-Economy: 1.00
Average model accuracy for route and class Kolkata-Hyderabad-Economy: 1.00
Average model accuracy for route and class Kolkata-Chennai-Economy: 1.00
Average model accuracy for route and class Hyderabad-Delhi-Economy: 1.00
Average model accuracy for route and class Hyderabad-Mumbai-Economy: 1.00
Average model accuracy for route and class Hyderabad-Bangalore-Economy: 1.00
Average model accuracy for route and class Hyderabad-Kolkata-Economy: 1.00
Average model accuracy for route and class Hyderabad-Chennai-Economy: 1.00
Average model accuracy for route and class Chennai-Delhi-Economy: 1.00
Average model accuracy for route and class Chennai-Mumbai-Economy: 1.00
Average model accuracy for route and class Chennai-Bangalore-Economy: 0.99
Average model accuracy for route and class Chennai-Kolkata-Economy: 0.99
Average model accuracy for route and class Chennai-Hyderabad-Economy: 1.00
Average model accuracy for route and class Delhi-Mumbai-Business: 0.86
Average model accuracy for route and class Delhi-Bangalore-Business: 0.87
Average model accuracy for route and class Delhi-Kolkata-Business: 0.81
Average model accuracy for route and class Delhi-Hyderabad-Business: 0.75
Average model accuracy for route and class Delhi-Chennai-Business: 0.81
Average model accuracy for route and class Mumbai-Delhi-Business: 0.85
Average model accuracy for route and class Mumbai-Bangalore-Business: 0.82
Average model accuracy for route and class Mumbai-Kolkata-Business: 0.84
Average model accuracy for route and class Mumbai-Hyderabad-Business: 0.81
```

```
Average model accuracy for route and class Mumbai-Chennai-Business: 0.78
Average model accuracy for route and class Bangalore-Delhi-Business: 0.87
Average model accuracy for route and class Bangalore-Mumbai-Business: 0.80
Average model accuracy for route and class Bangalore-Kolkata-Business: 0.91
Average model accuracy for route and class Bangalore-Hyderabad-Business: 0.83
Average model accuracy for route and class Bangalore-Chennai-Business: 0.80
Average model accuracy for route and class Kolkata-Delhi-Business: 0.77
Average model accuracy for route and class Kolkata-Mumbai-Business: 0.83
Average model accuracy for route and class Kolkata-Bangalore-Business: 0.92
Average model accuracy for route and class Kolkata-Hyderabad-Business: 0.76
Average model accuracy for route and class Kolkata-Chennai-Business: 0.94
Average model accuracy for route and class Hyderabad-Delhi-Business: 0.74
Average model accuracy for route and class Hyderabad-Mumbai-Business: 0.78
Average model accuracy for route and class Hyderabad-Bangalore-Business: 0.81
Average model accuracy for route and class Hyderabad-Kolkata-Business: 0.77
Average model accuracy for route and class Hyderabad-Chennai-Business: 0.76
Average model accuracy for route and class Chennai-Delhi-Business: 0.80
Average model accuracy for route and class Chennai-Mumbai-Business: 0.73
Average model accuracy for route and class Chennai-Bangalore-Business: 0.81
Average model accuracy for route and class Chennai-Kolkata-Business: 0.92
Average model accuracy for route and class Chennai-Hyderabad-Business: 0.73
```

```python
# Calculate and output overall MSE, R^2, RMSE
if all_actuals and all_predictions:
    mse = mean_squared_error(all_actuals, all_predictions)
    r2 = r2_score(all_actuals, all_predictions)
    rmse = np.sqrt(mse)
    print(f"Overall MSE: {mse:.2f}, R^2: {r2:.2f}, RMSE: {rmse:.2f}")

end_time = time.time()
print(f"Total running time: {end_time - start_time:.2f} seconds")
```

```
Overall MSE: 0.11, R^2: 0.85, RMSE: 0.32
Total running time: 318.79 seconds
```

```python
# Get the boundaries of the price bins
bin_edges = binning.bin_edges_[0]

# Output price predictions
for route_class, matrix in route_class_matrices.items():
    initial_state = route_class_common_initial_states[route_class]
    likely_next_state = np.argmax(matrix[initial_state])
    initial_price_range = f"{bin_edges[initial_state]:.2f} to
 ↪{bin_edges[initial_state + 1]:.2f}"
    next_price_range = f"{bin_edges[likely_next_state]:.2f} to
 ↪{bin_edges[likely_next_state + 1]:.2f}"
    print(f"Route and class {route_class}:")
```

```
    print(f"  Most common initial price state: {initial_state}␣
↪({initial_price_range})")
    print(f"  Predicted next most likely price state: {likely_next_state}␣
↪({next_price_range})")
    print()
```

Route and class Delhi-Mumbai-Economy:
  Most common initial price state: 0 (1105.00 to 25498.20)
  Predicted next most likely price state: 0 (1105.00 to 25498.20)

Route and class Delhi-Bangalore-Economy:
  Most common initial price state: 0 (1105.00 to 25498.20)
  Predicted next most likely price state: 0 (1105.00 to 25498.20)

Route and class Delhi-Kolkata-Economy:
  Most common initial price state: 0 (1105.00 to 25498.20)
  Predicted next most likely price state: 0 (1105.00 to 25498.20)

Route and class Delhi-Hyderabad-Economy:
  Most common initial price state: 0 (1105.00 to 25498.20)
  Predicted next most likely price state: 0 (1105.00 to 25498.20)

Route and class Delhi-Chennai-Economy:
  Most common initial price state: 0 (1105.00 to 25498.20)
  Predicted next most likely price state: 0 (1105.00 to 25498.20)

Route and class Mumbai-Delhi-Economy:
  Most common initial price state: 0 (1105.00 to 25498.20)
  Predicted next most likely price state: 0 (1105.00 to 25498.20)

Route and class Mumbai-Bangalore-Economy:
  Most common initial price state: 0 (1105.00 to 25498.20)
  Predicted next most likely price state: 0 (1105.00 to 25498.20)

Route and class Mumbai-Kolkata-Economy:
  Most common initial price state: 0 (1105.00 to 25498.20)
  Predicted next most likely price state: 0 (1105.00 to 25498.20)

Route and class Mumbai-Hyderabad-Economy:
  Most common initial price state: 0 (1105.00 to 25498.20)
  Predicted next most likely price state: 0 (1105.00 to 25498.20)

Route and class Mumbai-Chennai-Economy:
  Most common initial price state: 0 (1105.00 to 25498.20)
  Predicted next most likely price state: 0 (1105.00 to 25498.20)

Route and class Bangalore-Delhi-Economy:

```
  Most common initial price state: 0 (1105.00 to 25498.20)
  Predicted next most likely price state: 0 (1105.00 to 25498.20)


Route and class Bangalore-Mumbai-Economy:
  Most common initial price state: 0 (1105.00 to 25498.20)
  Predicted next most likely price state: 0 (1105.00 to 25498.20)


Route and class Bangalore-Kolkata-Economy:
  Most common initial price state: 0 (1105.00 to 25498.20)
  Predicted next most likely price state: 0 (1105.00 to 25498.20)


Route and class Bangalore-Hyderabad-Economy:
  Most common initial price state: 0 (1105.00 to 25498.20)
  Predicted next most likely price state: 0 (1105.00 to 25498.20)


Route and class Bangalore-Chennai-Economy:
  Most common initial price state: 0 (1105.00 to 25498.20)
  Predicted next most likely price state: 0 (1105.00 to 25498.20)


Route and class Kolkata-Delhi-Economy:
  Most common initial price state: 0 (1105.00 to 25498.20)
  Predicted next most likely price state: 0 (1105.00 to 25498.20)


Route and class Kolkata-Mumbai-Economy:
  Most common initial price state: 0 (1105.00 to 25498.20)
  Predicted next most likely price state: 0 (1105.00 to 25498.20)


Route and class Kolkata-Bangalore-Economy:
  Most common initial price state: 0 (1105.00 to 25498.20)
  Predicted next most likely price state: 0 (1105.00 to 25498.20)


Route and class Kolkata-Hyderabad-Economy:
  Most common initial price state: 0 (1105.00 to 25498.20)
  Predicted next most likely price state: 0 (1105.00 to 25498.20)


Route and class Kolkata-Chennai-Economy:
  Most common initial price state: 0 (1105.00 to 25498.20)
  Predicted next most likely price state: 0 (1105.00 to 25498.20)


Route and class Hyderabad-Delhi-Economy:
  Most common initial price state: 0 (1105.00 to 25498.20)
  Predicted next most likely price state: 0 (1105.00 to 25498.20)


Route and class Hyderabad-Mumbai-Economy:
  Most common initial price state: 0 (1105.00 to 25498.20)
  Predicted next most likely price state: 0 (1105.00 to 25498.20)


Route and class Hyderabad-Bangalore-Economy:
```

```
  Most common initial price state: 0 (1105.00 to 25498.20)
  Predicted next most likely price state: 0 (1105.00 to 25498.20)

Route and class Hyderabad-Kolkata-Economy:
  Most common initial price state: 0 (1105.00 to 25498.20)
  Predicted next most likely price state: 0 (1105.00 to 25498.20)

Route and class Hyderabad-Chennai-Economy:
  Most common initial price state: 0 (1105.00 to 25498.20)
  Predicted next most likely price state: 0 (1105.00 to 25498.20)

Route and class Chennai-Delhi-Economy:
  Most common initial price state: 0 (1105.00 to 25498.20)
  Predicted next most likely price state: 0 (1105.00 to 25498.20)

Route and class Chennai-Mumbai-Economy:
  Most common initial price state: 0 (1105.00 to 25498.20)
  Predicted next most likely price state: 0 (1105.00 to 25498.20)

Route and class Chennai-Bangalore-Economy:
  Most common initial price state: 0 (1105.00 to 25498.20)
  Predicted next most likely price state: 0 (1105.00 to 25498.20)

Route and class Chennai-Kolkata-Economy:
  Most common initial price state: 0 (1105.00 to 25498.20)
  Predicted next most likely price state: 0 (1105.00 to 25498.20)

Route and class Chennai-Hyderabad-Economy:
  Most common initial price state: 0 (1105.00 to 25498.20)
  Predicted next most likely price state: 0 (1105.00 to 25498.20)

Route and class Delhi-Mumbai-Business:
  Most common initial price state: 0 (1105.00 to 25498.20)
  Predicted next most likely price state: 0 (1105.00 to 25498.20)

Route and class Delhi-Bangalore-Business:
  Most common initial price state: 0 (1105.00 to 25498.20)
  Predicted next most likely price state: 0 (1105.00 to 25498.20)

Route and class Delhi-Kolkata-Business:
  Most common initial price state: 0 (1105.00 to 25498.20)
  Predicted next most likely price state: 0 (1105.00 to 25498.20)

Route and class Delhi-Hyderabad-Business:
  Most common initial price state: 0 (1105.00 to 25498.20)
  Predicted next most likely price state: 0 (1105.00 to 25498.20)

Route and class Delhi-Chennai-Business:
```

Most common initial price state: 0 (1105.00 to 25498.20)
    Predicted next most likely price state: 0 (1105.00 to 25498.20)

Route and class Mumbai-Delhi-Business:
    Most common initial price state: 0 (1105.00 to 25498.20)
    Predicted next most likely price state: 0 (1105.00 to 25498.20)

Route and class Mumbai-Bangalore-Business:
    Most common initial price state: 0 (1105.00 to 25498.20)
    Predicted next most likely price state: 0 (1105.00 to 25498.20)

Route and class Mumbai-Kolkata-Business:
    Most common initial price state: 0 (1105.00 to 25498.20)
    Predicted next most likely price state: 0 (1105.00 to 25498.20)

Route and class Mumbai-Hyderabad-Business:
    Most common initial price state: 0 (1105.00 to 25498.20)
    Predicted next most likely price state: 0 (1105.00 to 25498.20)

Route and class Mumbai-Chennai-Business:
    Most common initial price state: 0 (1105.00 to 25498.20)
    Predicted next most likely price state: 0 (1105.00 to 25498.20)

Route and class Bangalore-Delhi-Business:
    Most common initial price state: 0 (1105.00 to 25498.20)
    Predicted next most likely price state: 0 (1105.00 to 25498.20)

Route and class Bangalore-Mumbai-Business:
    Most common initial price state: 0 (1105.00 to 25498.20)
    Predicted next most likely price state: 0 (1105.00 to 25498.20)

Route and class Bangalore-Kolkata-Business:
    Most common initial price state: 0 (1105.00 to 25498.20)
    Predicted next most likely price state: 1 (25498.20 to 49891.40)

Route and class Bangalore-Hyderabad-Business:
    Most common initial price state: 0 (1105.00 to 25498.20)
    Predicted next most likely price state: 1 (25498.20 to 49891.40)

Route and class Bangalore-Chennai-Business:
    Most common initial price state: 0 (1105.00 to 25498.20)
    Predicted next most likely price state: 0 (1105.00 to 25498.20)

Route and class Kolkata-Delhi-Business:
    Most common initial price state: 0 (1105.00 to 25498.20)
    Predicted next most likely price state: 0 (1105.00 to 25498.20)

Route and class Kolkata-Mumbai-Business:

```
  Most common initial price state: 0 (1105.00 to 25498.20)
  Predicted next most likely price state: 0 (1105.00 to 25498.20)


Route and class Kolkata-Bangalore-Business:
  Most common initial price state: 0 (1105.00 to 25498.20)
  Predicted next most likely price state: 1 (25498.20 to 49891.40)


Route and class Kolkata-Hyderabad-Business:
  Most common initial price state: 0 (1105.00 to 25498.20)
  Predicted next most likely price state: 1 (25498.20 to 49891.40)


Route and class Kolkata-Chennai-Business:
  Most common initial price state: 0 (1105.00 to 25498.20)
  Predicted next most likely price state: 2 (49891.40 to 74284.60)


Route and class Hyderabad-Delhi-Business:
  Most common initial price state: 0 (1105.00 to 25498.20)
  Predicted next most likely price state: 0 (1105.00 to 25498.20)


Route and class Hyderabad-Mumbai-Business:
  Most common initial price state: 0 (1105.00 to 25498.20)
  Predicted next most likely price state: 0 (1105.00 to 25498.20)


Route and class Hyderabad-Bangalore-Business:
  Most common initial price state: 0 (1105.00 to 25498.20)
  Predicted next most likely price state: 1 (25498.20 to 49891.40)


Route and class Hyderabad-Kolkata-Business:
  Most common initial price state: 0 (1105.00 to 25498.20)
  Predicted next most likely price state: 1 (25498.20 to 49891.40)


Route and class Hyderabad-Chennai-Business:
  Most common initial price state: 0 (1105.00 to 25498.20)
  Predicted next most likely price state: 1 (25498.20 to 49891.40)


Route and class Chennai-Delhi-Business:
  Most common initial price state: 0 (1105.00 to 25498.20)
  Predicted next most likely price state: 0 (1105.00 to 25498.20)


Route and class Chennai-Mumbai-Business:
  Most common initial price state: 0 (1105.00 to 25498.20)
  Predicted next most likely price state: 0 (1105.00 to 25498.20)


Route and class Chennai-Bangalore-Business:
  Most common initial price state: 0 (1105.00 to 25498.20)
  Predicted next most likely price state: 1 (25498.20 to 49891.40)


Route and class Chennai-Kolkata-Business:
```

```
  Most common initial price state: 0 (1105.00 to 25498.20)
  Predicted next most likely price state: 2 (49891.40 to 74284.60)


Route and class Chennai-Hyderabad-Business:
  Most common initial price state: 0 (1105.00 to 25498.20)
  Predicted next most likely price state: 1 (25498.20 to 49891.40)
```

3.2 Combining Linear Regression with DNN and PGM Features for Price Prediction

This section describes the implementation of a model that combines linear regression, deep neural networks (DNN), and probabilistic graphical models (PGM) to predict flight prices. The process includes data preprocessing, feature engineering, model training, and evaluation.

3.2.1 Step-by-Step Process

1. **Data Preprocessing**:
   - Read the dataset and encode categorical features using `OrdinalEncoder`.
   - Combine encoded categorical features with numerical features.
2. **Feature Selection**:
   - Separate features into linear and nonlinear categories.
   - Prepare data for Bayesian Linear Regression using PyStan.
3. **Bayesian Linear Regression (PGM)**:
   - Define and compile a Bayesian linear regression model.
   - Extract regression coefficients from the model and create a new feature for the DNN.
4. **Deep Neural Network (DNN)**:
   - Combine linear and nonlinear features along with the PGM output.
   - Standardize the data.
   - Build and train the DNN model.
5. **Model Evaluation**:
   - Evaluate the combined model on the test set.
   - Calculate metrics such as Mean Squared Error (MSE), Mean Absolute Error (MAE), R-squared (R^2), and Root Mean Squared Error (RMSE).
   - Visualize the results.

```python
# linear regression
from sklearn.linear_model import LinearRegression
import matplotlib.pyplot as plt
from sklearn.model_selection import train_test_split
from sklearn.metrics import mean_squared_error, mean_absolute_error, r2_score
from sklearn.preprocessing import OrdinalEncoder
import seaborn as sns
import pandas as pd
import numpy as np

clean_dataset = pd.read_csv('../datasets/Clean_Dataset.csv')
ordinalEncoder = OrdinalEncoder()
```

```python
cate_features = ['airline', 'source_city', 'departure_time', 'stops',
 →'arrival_time', 'destination_city', 'class']
ordinalEncoder_features = ordinalEncoder.
 →fit_transform(clean_dataset[cate_features])
ordinalEncoder_features

# combine the ordinal encoded features with the numeric features
final_features = pd.concat([clean_dataset[['duration', 'days_left', 'price']],
 →pd.DataFrame(ordinalEncoder_features)], axis=1)
final_features

# feature and target variables
X = final_features.drop('price', axis = 1)
y = final_features['price']
print(X.shape, y.shape)
print(X[:5])
print(y[:5])

# split the data into training and testing sets
X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.2,
 →random_state=42)
# create a linear regression model
X_train.columns = X_train.columns.astype(str)
X_test.columns = X_test.columns.astype(str)


model = LinearRegression()
model.fit(X_train, y_train)

# make predictions
y_pred = model.predict(X_test)
# calculate the mean squared error
mse = mean_squared_error(y_test, y_pred)
print(f'Mean Squared Error: {mse:.2f}')

# calculate the mean absolute error
mae = mean_absolute_error(y_test, y_pred)
print(f'Mean Absolute Error: {mae:.2f}')

# calculate the R-squared value
r2 = r2_score(y_test, y_pred)
print(f'R-squared: {r2:.2f}')

# calculate the root mean squared error
rmse = np.sqrt(mse)
print(f'Root Mean Squared Error: {rmse:.2f}')
```

```
# plot the predicted vs actual prices
plt.figure(figsize=(10, 6))
sns.scatterplot(x=y_test, y=y_pred)
plt.xlabel('Actual Price')
plt.ylabel('Predicted Price')
plt.title('Actual vs Predicted Prices')
plt.show()
```

```
(300153, 9) (300153,)
   duration  days_left    0    1    2    3    4    5    6
0      2.17          1  4.0  2.0  2.0  2.0  5.0  5.0  1.0
1      2.33          1  4.0  2.0  1.0  2.0  4.0  5.0  1.0
2      2.17          1  0.0  2.0  1.0  2.0  1.0  5.0  1.0
3      2.25          1  5.0  2.0  4.0  2.0  0.0  5.0  1.0
4      2.33          1  5.0  2.0  4.0  2.0  4.0  5.0  1.0
0    5953
1    5953
2    5956
3    5955
4    5955
Name: price, dtype: int64
Mean Squared Error: 49200540.29
Mean Absolute Error: 4624.99
R-squared: 0.90
Root Mean Squared Error: 7014.31
```


Actual vs Predicted Prices
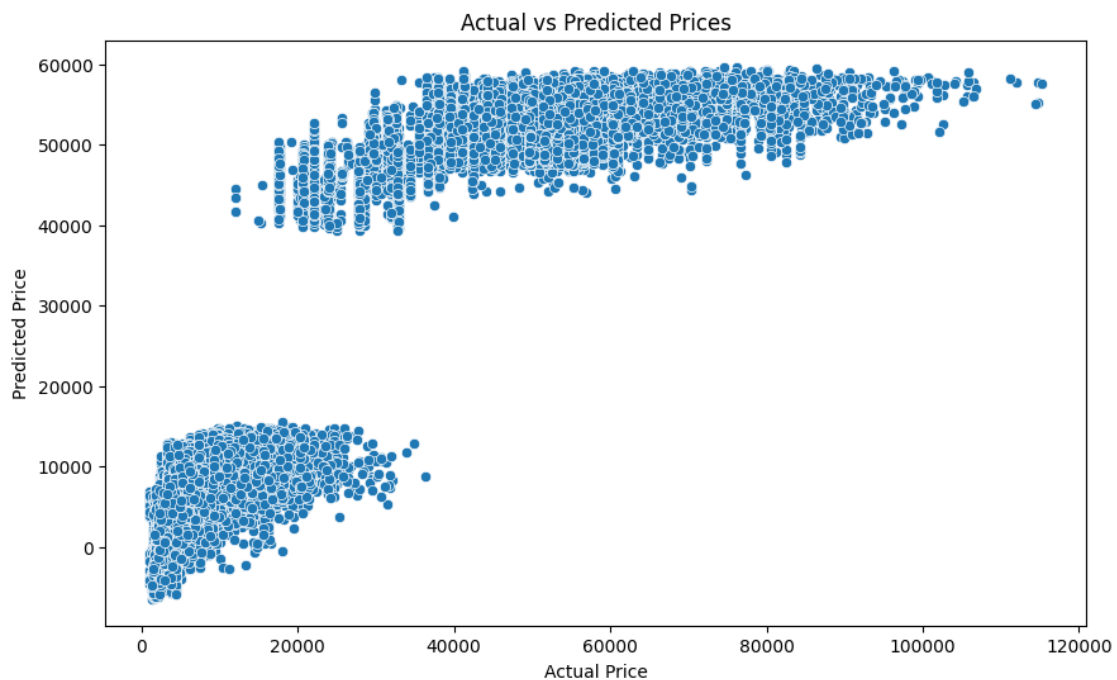
```python
# Import necessary libraries
import numpy as np
import pandas as pd
from sklearn.model_selection import train_test_split
from sklearn.preprocessing import OrdinalEncoder, StandardScaler
from sklearn.metrics import mean_squared_error, mean_absolute_error, r2_score
import matplotlib.pyplot as plt
import seaborn as sns
import pystan
import tensorflow as tf
from tensorflow.keras.models import Sequential
from tensorflow.keras.layers import Dense, Dropout

# Read data
clean_dataset = pd.read_csv('../datasets/Clean_Dataset.csv')

# Encode categorical features using OrdinalEncoder
ordinalEncoder = OrdinalEncoder()
cate_features = ['airline', 'source_city', 'departure_time', 'stops',
 'arrival_time', 'destination_city', 'class']
ordinalEncoder_features = ordinalEncoder.
 fit_transform(clean_dataset[cate_features])

# Combine encoded categorical features with numerical features
encoded_df = pd.DataFrame(ordinalEncoder_features, columns=cate_features)
final_features = pd.concat([clean_dataset[['duration', 'days_left', 'price']],
 encoded_df], axis=1)

# Ensure all column names are of string type
final_features.columns = final_features.columns.astype(str)

# Features and target variable
X = final_features.drop('price', axis=1)
y = final_features['price']

# Split the data into training and testing sets
X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.2,
 random_state=42)

# Linear and non-linear features
linear_features = ['duration', 'days_left']
nonlinear_features = [col for col in X.columns if col not in linear_features]

# Parameter inference using Bayesian Linear Regression Model (PGM)
stan_code = """
data {
  int<lower=0> N; // Data size
```

```python
  int<lower=0> K; // Number of features
  matrix[N, K] X; // Feature matrix
  vector[N] y; // Target variable
}
parameters {
  vector[K] beta; // Regression coefficients
  real alpha; // Intercept
  real<lower=0> sigma; // Noise standard deviation
}
model {
  y ~ normal(X * beta + alpha, sigma); // Normal distribution
}
"""

# Compile model
stan_model = pystan.StanModel(model_code=stan_code)

# Prepare data
data = {'N': X_train[linear_features].shape[0], 'K': X_train[linear_features].
 ↪shape[1], 'X': X_train[linear_features], 'y': y_train}

# Sampling
fit = stan_model.sampling(data=data, iter=100, chains=4)

# Extract parameters from PGMs
params = fit.extract()
beta_mean = np.mean(params['beta'], axis=0)
alpha_mean = np.mean(params['alpha'])

# Add PGM outputs as features to DNN input
pgm_feature_train = (X_train[linear_features].dot(beta_mean) + alpha_mean).
 ↪values.reshape(-1, 1)
pgm_feature_test = (X_test[linear_features].dot(beta_mean) + alpha_mean).values.
 ↪reshape(-1, 1)

X_train_pgm = np.hstack([X_train, pgm_feature_train])
X_test_pgm = np.hstack([X_test, pgm_feature_test])

# Data standardization
scaler = StandardScaler()
X_train_nonlin = scaler.fit_transform(X_train[nonlinear_features])
X_test_nonlin = scaler.transform(X_test[nonlinear_features])

X_train_combined = np.hstack([X_train_nonlin, pgm_feature_train])
X_test_combined = np.hstack([X_test_nonlin, pgm_feature_test])

# Create DNN model
```

```python
def create_dnn_model(input_dim):
    model = Sequential()
    model.add(Dense(128, input_dim=input_dim, activation='relu'))
    model.add(Dropout(0.2))
    model.add(Dense(64, activation='relu'))
    model.add(Dropout(0.2))
    model.add(Dense(32, activation='relu'))
    model.add(Dense(1))  # Output layer
    model.compile(optimizer='adam', loss='mse', metrics=['mae'])
    return model

# Initialize and train DNN model
dnn_model = create_dnn_model(X_train_combined.shape[1])
history = dnn_model.fit(X_train_combined, y_train, epochs=50, batch_size=32,
  ↪validation_split=0.2, verbose=1)

# Make predictions
y_pred = dnn_model.predict(X_test_combined).flatten()

# Evaluate the model
mse = mean_squared_error(y_test, y_pred)
mae = mean_absolute_error(y_test, y_pred)
r2 = r2_score(y_test, y_pred)
rmse = np.sqrt(mse)

print(f'Mean Squared Error: {mse:.2f}')
print(f'Mean Absolute Error: {mae:.2f}')
print(f'R-squared: {r2:.2f}')
print(f'Root Mean Squared Error: {rmse:.2f}')

# Plot actual vs predicted prices scatter plot
plt.figure(figsize=(10, 6))
sns.scatterplot(x=y_test, y=y_pred)
plt.xlabel('Actual Price')
plt.ylabel('Predicted Price')
plt.title('Actual vs Predicted Prices using Linear Regression + DNN with PGM
  ↪features')
plt.show()
```

2024-05-27 11:08:46.543637: I tensorflow/core/util/port.cc:113] oneDNN custom
operations are on. You may see slightly different numerical results due to
floating-point round-off errors from different computation orders. To turn them
off, set the environment variable `TF_ENABLE_ONEDNN_OPTS=0`.
2024-05-27 11:08:48.834568: I tensorflow/core/platform/cpu_feature_guard.cc:210]
This TensorFlow binary is optimized to use available CPU instructions in
performance-critical operations.
To enable the following instructions: AVX2 AVX_VNNI FMA, in other operations,

rebuild TensorFlow with the appropriate compiler flags.
2024-05-27 11:08:50.760149: W
tensorflow/compiler/tf2tensorrt/utils/py_utils.cc:38] TF-TRT Warning: Could not
find TensorRT
INFO:pystan:COMPILING THE C++ CODE FOR MODEL
anon_model_6480e1d1f319fa39f3dae7fd542ccee9 NOW.
/home/siyan/.local/lib/python3.10/site-packages/Cython/Compiler/Main.py:381:
FutureWarning: Cython directive 'language_level' not set, using '3str' for now
(Py3). This has changed from earlier releases! File: /tmp/tmpqn66zojf/stanfit4an
on_model_6480e1d1f319fa39f3dae7fd542ccee9_5381600317920641068.pyx
  tree = Parsing.p_module(s, pxd, full_module_name)
In file included from /home/siyan/.local/lib/python3.10/site-
packages/numpy/core/include/numpy/ndarraytypes.h:1929,
                 from /home/siyan/.local/lib/python3.10/site-
packages/numpy/core/include/numpy/ndarrayobject.h:12,
                 from /home/siyan/.local/lib/python3.10/site-
packages/numpy/core/include/numpy/arrayobject.h:5,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1280:
/home/siyan/.local/lib/python3.10/site-
packages/numpy/core/include/numpy/npy_1_7_deprecated_api.h:17:2: warning:
#warning "Using deprecated NumPy API, disable it with " "#define
NPY_NO_DEPRECATED_API NPY_1_7_API_VERSION" [-Wcpp]
   17 | #warning "Using deprecated NumPy API, disable it with " \
      | ^~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-packages/pystan/sta
n/lib/stan_math/lib/boost_1.66.0/boost/mpl/aux_/na_assert.hpp:23,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/boost_1.66.0/boost/mpl/arg.hpp:25,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/sta
n/lib/stan_math/lib/boost_1.66.0/boost/mpl/placeholders.hpp:24,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/boost_1.66.0/boost/mpl/apply.hpp:24,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/sta
n/lib/stan_math/lib/boost_1.66.0/boost/mpl/aux_/iter_apply.hpp:17,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/sta
n/lib/stan_math/lib/boost_1.66.0/boost/mpl/aux_/find_if_pred.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/boost_1.66.0/boost/mpl/find_if.hpp:17,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/boost_1.66.0/boost/mpl/find.hpp:17,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/sta
n/lib/stan_math/lib/boost_1.66.0/boost/mpl/aux_/contains_impl.hpp:20,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/boost_1.66.0/boost/mpl/contains.hpp:20,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/sta
n/lib/stan_math/lib/boost_1.66.0/boost/math/policies/policy.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/sta

```
n/lib/stan_math/lib/boost_1.66.0/boost/math/special_functions/math_fwd.hpp:29,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/sta
n/lib/stan_math/lib/boost_1.66.0/boost/math/special_functions/fpclassify.hpp:19,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:13,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/boost_1.66.0/boost/mpl/assert.hpp:188:21:
warning: unnecessary parentheses in declaration of 'assert_arg' [-Wparentheses]
  188 |  failed ************ (Pred::************
      |                      ^~~~~~~~~~~~~~~~~~~
  189 |        assert_arg( void (*)(Pred), typename assert_arg_pred<Pred>::type )
      |        ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
  190 |     );
      |     ~
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/boost_1.66.0/boost/mpl/assert.hpp:188:21:
note: remove parentheses
  188 |  failed ************ (Pred::************
      |                      ^~~~~~~~~~~~~~~~~~~
      |                      -
  189 |        assert_arg( void (*)(Pred), typename assert_arg_pred<Pred>::type )
      |        ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
  190 |     );
      |     ~
      |     -
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/boost_1.66.0/boost/mpl/assert.hpp:193:21:
warning: unnecessary parentheses in declaration of 'assert_not_arg'
[-Wparentheses]
  193 |  failed ************ (boost::mpl::not_<Pred>::************
      |                      ^~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
  194 |        assert_not_arg( void (*)(Pred), typename
assert_arg_pred_not<Pred>::type )
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
  195 |     );
      |     ~
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/boost_1.66.0/boost/mpl/assert.hpp:193:21:
note: remove parentheses
  193 |  failed ************ (boost::mpl::not_<Pred>::************
      |                      ^~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
      |                      -
  194 |        assert_not_arg( void (*)(Pred), typename
assert_arg_pred_not<Pred>::type )
      |
```

```
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
  195 |     );
      |      ~
      |      -
```
In file included from /home/siyan/.local/lib/python3.10/site-packages/pystan/sta
n/lib/stan_math/lib/boost_1.66.0/boost/numeric/ublas/matrix.hpp:19,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/sta
n/lib/stan_math/lib/boost_1.66.0/boost/numeric/odeint/util/ublas_wrapper.hpp:24,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/boost_1.66.0/boost/numeric/odeint.hpp:25,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/sta
n/lib/stan_math/stan/math/prim/arr/functor/integrate_ode_rk45.hpp:17,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/arr.hpp:44,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat.hpp:325,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:12,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/bo
ost_1.66.0/boost/numeric/ublas/matrix_expression.hpp: In member function 'void
boost::numeric::ublas::matrix_binary<E1, E2, F>::const_iterator1::increment(boos
t::numeric::ublas::sparse_bidirectional_iterator_tag)':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/bo
ost_1.66.0/boost/numeric/ublas/matrix_expression.hpp:2224:17: warning: this 'if'
clause does not guard… [-Wmisleading-indentation]
 2224 | if (it2_ != it2_end_)
      | ^~
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/bo
ost_1.66.0/boost/numeric/ublas/matrix_expression.hpp:2227:21: note: …this
statement, but the latter is misleadingly indented as if it were guarded by the
'if'
 2227 | if (it2_ != it2_end_) {
      | ^~
In file included from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp: In function
'int pystan::{anonymous}::command(pystan::StanArgs&, Model&,
pystan::StanHolder&, const std::vector<long unsigned int>&, const

```
std::vector<std::__cxx11::basic_string<char> >&, RNG_t&)':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:830:12:
warning: 'template<class> class std::auto_ptr' is deprecated: use
'std::unique_ptr' instead [-Wdeprecated-declarations]
  830 |        std::auto_ptr<stan::io::var_context> init_context_ptr;
      |             ^~~~~~~~
In file included from /usr/include/c++/11/bits/locale_conv.h:41,
                 from /usr/include/c++/11/locale:43,
                 from /usr/include/c++/11/iomanip:43,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:5,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/usr/include/c++/11/bits/unique_ptr.h:57:28: note: declared here
   57 |    template<typename> class auto_ptr;
      |                            ^~~~~~~~
/tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7fd542ccee9_53816003179
20641068.cpp: In function 'PyObject* __pyx_pf_71stanfit4anon_model_6480e1d1f319f
a39f3dae7fd542ccee9_5381600317920641068_2_call_sampler(PyObject*, PyObject*,
PyObject*, PyObject*)':
/tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7fd542ccee9_53816003179
20641068.cpp:15975:29: warning: comparison of integer expressions of different
signedness: 'Py_ssize_t' {aka 'long int'} and
'std::vector<std::__cxx11::basic_string<char> >::size_type' {aka 'long unsigned
int'} [-Wsign-compare]
15975 |       __pyx_t_9 = (__pyx_t_10 != __pyx_v_fitptr->param_names_oi().size());
      |                    ~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
```

```
packages/pystan/stan_fit.hpp:22,
                  from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, -1, -1> >, Eigen::internal::evaluator<Eigen::Matrix<double, -1, -1> >,
Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from   class Eige
n::internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::M
atrix<double, -1, -1> >, Eigen::internal::evaluator<Eigen::Matrix<double, -1,
-1> >, Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<double, -1, -1>; SrcXprType =
Eigen::Matrix<double, -1, -1>; Functor = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<double, -1, -1>; SrcXprType =
Eigen::Matrix<double, -1, -1>; Functor = Eigen::internal::assign_op<double,
double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, -1>; Src = Eigen::Matrix<double, -1, -1>; Func =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:728:41:   required from 'Derived&
Eigen::PlainObjectBase<Derived>::_set_noalias(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived = Eigen::Matrix<double, -1,
-1>; Derived = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:278:27:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::Matrix(Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>&&) [with _Scalar = double; int _Rows = -1; int _Cols = -1; int
_Options = 0; int _MaxRows = -1; int _MaxCols = -1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/fun/multiply_lower_tri_self_transpose.hpp:25:12:   required from
here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
```

```
   86 |      MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |      MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                   ^~~~~~~~~~~~~~~~~~~
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                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
```

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                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
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gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, -1, 1> >, Eigen::internal::evaluator<Eigen::Matrix<double, -1, 1> >,
Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<double, -1, 1> >, Eigen::internal::evaluator<Eigen::Matrix<double, -1, 1> >,
Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::Matrix<double, -1, 1>; Functor = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::Matrix<double, -1, 1>; Functor = Eigen::internal::assign_op<double,
double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, 1>; Src = Eigen::Matrix<double, -1, 1>; Func =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:728:41:   required from 'Derived&
Eigen::PlainObjectBase<Derived>::_set_noalias(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived = Eigen::Matrix<double, -1,
1>; Derived = Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:278:27:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::Matrix(Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>&&) [with _Scalar = double; int _Rows = -1; int _Cols = 1; int _Options
```

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```
= 0; int _MaxRows = -1; int _MaxCols = 1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/fun/matrix_exp_action_handler.hpp:63:36:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~~
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                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
```

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                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
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gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, -1, 1> >, Eigen::internal::evaluator<Eigen::Matrix<double, -1, 1> >,
Eigen::internal::add_assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<double, -1, 1> >, Eigen::internal::evaluator<Eigen::Matrix<double, -1, 1> >,
Eigen::internal::add_assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::Matrix<double, -1, 1>; Functor = Eigen::internal::add_assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::Matrix<double, -1, 1>; Functor = Eigen::internal::add_assign_op<double,
double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, 1>; Src = Eigen::Matrix<double, -1, 1>; Func =
Eigen::internal::add_assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
```

Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Matrix<double, -1, 1>; Src = Eigen::Matrix<double, -1, 1>; Func =
Eigen::internal::add_assign_op<double, double>; typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/CwiseBinaryOp.h:177:18:   required from 'Derived&
Eigen::MatrixBase<Derived>::operator+=(const Eigen::MatrixBase<OtherDerived>&)
[with OtherDerived = Eigen::Matrix<double, -1, 1>; Derived =
Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/fun/matrix_exp_action_handler.hpp:72:18:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
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      |
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packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
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packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
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                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
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packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
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packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
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fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]

```
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                   ^~~~~~~~~~~~~~~~~~
```
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
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packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
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packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
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packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
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packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
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                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
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nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, -1, 1> >, Eigen::internal::evaluator<Eigen::CwiseNullaryOp<Eigen::internal
::scalar_constant_op<double>, Eigen::Matrix<double, -1, 1> > >,
Eigen::internal::mul_assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
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rix<double, -1, 1> >, Eigen::internal::evaluator<Eigen::CwiseNullaryOp<Eigen::in
ternal::scalar_constant_op<double>, Eigen::Matrix<double, -1, 1> > >,
Eigen::internal::mul_assign_op<double, double>, 0>'
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gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
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Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; Functor = Eigen::internal::mul_assign_op<double,
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/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
```

```
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; Functor = Eigen::internal::mul_assign_op<double,
double>; Weak = void]'
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gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, 1>; Src =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; Func = Eigen::internal::mul_assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Matrix<double, -1, 1>; Src =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; Func = Eigen::internal::mul_assign_op<double,
double>; typename Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
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/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/SelfCwiseBinaryOp.h:21:28:   required from 'Derived&
Eigen::DenseBase<Derived>::operator*=(const Scalar&) [with Derived =
Eigen::Matrix<double, -1, 1>; Eigen::DenseBase<Derived>::Scalar = double]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
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/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
```

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                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                  from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
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packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
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packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                  from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
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gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, 1, -1> >, Eigen::internal::evaluator<Eigen::Matrix<double, 1, -1> >,
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Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<double, 1, -1> >, Eigen::internal::evaluator<Eigen::Matrix<double, 1, -1> >,
Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<double, 1, -1>; SrcXprType =
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double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<double, 1, -1>; SrcXprType =
Eigen::Matrix<double, 1, -1>; Functor = Eigen::internal::assign_op<double,
double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, 1, -1>; Src = Eigen::Matrix<double, 1, -1>; Func =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:728:41:   required from 'Derived&
Eigen::PlainObjectBase<Derived>::_set_noalias(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived = Eigen::Matrix<double, 1,
-1>; Derived = Eigen::Matrix<double, 1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:278:27:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::Matrix(Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>&&) [with _Scalar = double; int _Rows = 1; int _Cols = -1; int _Options
= 1; int _MaxRows = 1; int _MaxCols = -1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/fun/to_row_vector.hpp:35:10:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
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      |
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packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,

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                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
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packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
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packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
```

from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, -1, 1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen::internal:
:scalar_quotient_op<double, double>, const Eigen::Matrix<double, -1, 1>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> > > >, Eigen::internal::add_assign_op<double,
double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<double, -1, 1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen::int
ernal::scalar_quotient_op<double, double>, const Eigen::Matrix<double, -1, 1>,
const Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> > > >, Eigen::internal::add_assign_op<double,
double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_quotient_op<double, double>, const
Eigen::Matrix<double, -1, 1>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> > >; Functor =
Eigen::internal::add_assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_quotient_op<double, double>, const
Eigen::Matrix<double, -1, 1>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> > >; Functor =
Eigen::internal::add_assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, 1>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_quotient_op<double, double>, const
Eigen::Matrix<double, -1, 1>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> > >; Func = Eigen::internal::add_assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void

```
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Matrix<double, -1, 1>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_quotient_op<double, double>, const
Eigen::Matrix<double, -1, 1>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> > >; Func = Eigen::internal::add_assign_op<double,
double>; typename Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/CwiseBinaryOp.h:177:18:   required from 'Derived&
Eigen::MatrixBase<Derived>::operator+=(const Eigen::MatrixBase<OtherDerived>&)
[with OtherDerived =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_quotient_op<double, double>, const
Eigen::Matrix<double, -1, 1>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> > >; Derived = Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/fun/welford_covar_estimator.hpp:27:19:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
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                 from /home/siyan/.local/lib/python3.10/site-
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packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
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packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
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packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
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                 from /home/siyan/.local/lib/python3.10/site-
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   90 | MaySliceVectorize = bool(MightVectorize) &&
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packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
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nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, -1, -1> >, Eigen::internal::evaluator<Eigen::Matrix<double, -1, -1> >,
Eigen::internal::add_assign_op<double, double> >':
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rix<double, -1, -1> >, Eigen::internal::evaluator<Eigen::Matrix<double, -1, -1>
>, Eigen::internal::add_assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,

const Functor&) [with DstXprType = Eigen::Matrix<double, -1, -1>; SrcXprType = Eigen::Matrix<double, -1, -1>; Functor = Eigen::internal::add_assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void Eigen::internal::Assignment<DstXprType, SrcXprType, Functor, Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const Functor&) [with DstXprType = Eigen::Matrix<double, -1, -1>; SrcXprType = Eigen::Matrix<double, -1, -1>; Functor = Eigen::internal::add_assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with Dst = Eigen::Matrix<double, -1, -1>; Src = Eigen::Matrix<double, -1, -1>; Func = Eigen::internal::add_assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/AssignEvaluator.h:797:27:   required from 'void Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename Eigen::internal::enable_if<Eigen::internal::evaluator_assume_aliasing<Src>::value, void*>::type) [with Dst = Eigen::Matrix<double, -1, -1>; Src = Eigen::Product<Eigen::CwiseBinaryOp<Eigen::internal::scalar_difference_op<double, double>, const Eigen::Matrix<double, -1, 1>, const Eigen::Matrix<double, -1, 1> >, Eigen::Transpose<Eigen::Matrix<double, -1, 1> >, 0>; Func = Eigen::internal::add_assign_op<double, double>; typename Eigen::internal::enable_if<Eigen::internal::evaluator_assume_aliasing<Src>::value, void*>::type = void*; typename Eigen::internal::evaluator_traits<SrcXprType>::Shape = Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/CwiseBinaryOp.h:177:18:   required from 'Derived& Eigen::MatrixBase<Derived>::operator+=(const Eigen::MatrixBase<OtherDerived>&) [with OtherDerived = Eigen::Product<Eigen::CwiseBinaryOp<Eigen::internal::scalar_difference_op<double, double>, const Eigen::Matrix<double, -1, 1>, const Eigen::Matrix<double, -1, 1> >, Eigen::Transpose<Eigen::Matrix<double, -1, 1> >, 0>; Derived = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/welford_covar_estimator.hpp:28:39:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in boolean context [-Wint-in-bool-context]
   86 | MayLinearVectorize = bool(MightVectorize) && MayLinearize && DstHasDirectAccess
      |
~~~~~~^~~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-

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packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
```

fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, -1, 1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen::internal:
:scalar_product_op<double, double>, const Eigen::Matrix<double, -1, 1>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_difference_op<double, double>,
const Eigen::Matrix<double, -1, 1>, const Eigen::Matrix<double, -1, 1> > > >,
Eigen::internal::add_assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<double, -1, 1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen::int
ernal::scalar_product_op<double, double>, const Eigen::Matrix<double, -1, 1>,
const Eigen::CwiseBinaryOp<Eigen::internal::scalar_difference_op<double,
double>, const Eigen::Matrix<double, -1, 1>, const Eigen::Matrix<double, -1, 1>
> > >, Eigen::internal::add_assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::Matrix<double, -1, 1>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_difference_op<double, double>,
const Eigen::Matrix<double, -1, 1>, const Eigen::Matrix<double, -1, 1> > >;
Functor = Eigen::internal::add_assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::Matrix<double, -1, 1>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_difference_op<double, double>,
const Eigen::Matrix<double, -1, 1>, const Eigen::Matrix<double, -1, 1> > >;
Functor = Eigen::internal::add_assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, 1>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::Matrix<double, -1, 1>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_difference_op<double, double>,
const Eigen::Matrix<double, -1, 1>, const Eigen::Matrix<double, -1, 1> > >; Func
= Eigen::internal::add_assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename

```
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Matrix<double, -1, 1>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::Matrix<double, -1, 1>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_difference_op<double, double>,
const Eigen::Matrix<double, -1, 1>, const Eigen::Matrix<double, -1, 1> > >; Func
= Eigen::internal::add_assign_op<double, double>; typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/CwiseBinaryOp.h:177:18:   required from 'Derived&
Eigen::MatrixBase<Derived>::operator+=(const Eigen::MatrixBase<OtherDerived>&)
[with OtherDerived =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::Matrix<double, -1, 1>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_difference_op<double, double>,
const Eigen::Matrix<double, -1, 1>, const Eigen::Matrix<double, -1, 1> > >;
Derived = Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/fun/welford_var_estimator.hpp:28:37:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
```

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             from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
             from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
             from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
             from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
             from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
             from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
             from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
             from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
             from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
             from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
             from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
             from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
             from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
             from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Diagonal<
Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, 0> >, Eigen::interna
l::evaluator<Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> > >, Eigen::internal::mul_assign_op<double, double>
>':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Dia
gonal<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, 0> >, Eigen::i
nternal::evaluator<Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<dou
```

ble>, Eigen::Matrix<double, -1, 1> > >, Eigen::internal::mul_assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType =
Eigen::Diagonal<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, 0>;
SrcXprType = Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; Functor = Eigen::internal::mul_assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Diagonal<Eigen::Block<Eigen::Matrix<double,
-1, -1>, -1, -1, false>, 0>; SrcXprType =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; Functor = Eigen::internal::mul_assign_op<double,
double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Diagonal<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1,
false>, 0>; Src =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; Func = Eigen::internal::mul_assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Diagonal<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>,
0>; Src = Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; Func = Eigen::internal::mul_assign_op<double,
double>; typename Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/SelfCwiseBinaryOp.h:21:28:   required from 'Derived&
Eigen::DenseBase<Derived>::operator*=(const Scalar&) [with Derived =
Eigen::Diagonal<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, 0>;
Eigen::DenseBase<Derived>::Scalar = double]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/rev/mat/fun/cholesky_decompose.hpp:128:26:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in

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boolean context [-Wint-in-bool-context]
  86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
     |
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In file included from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in boolean context [-Wint-in-bool-context]
```
  90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
     |                                                    ^~~~~~~~~~~~~~~~~~
```
In file included from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-

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packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<st
an::math::var, -1, -1> >,
Eigen::internal::evaluator<Eigen::Matrix<stan::math::var, -1, -1> >,
Eigen::internal::assign_op<stan::math::var, stan::math::var> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<stan::math::var, -1, -1> >,
Eigen::internal::evaluator<Eigen::Matrix<stan::math::var, -1, -1> >,
Eigen::internal::assign_op<stan::math::var, stan::math::var>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<stan::math::var, -1, -1>;
SrcXprType = Eigen::Matrix<stan::math::var, -1, -1>; Functor =
Eigen::internal::assign_op<stan::math::var, stan::math::var>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<stan::math::var, -1, -1>; SrcXprType
= Eigen::Matrix<stan::math::var, -1, -1>; Functor =
Eigen::internal::assign_op<stan::math::var, stan::math::var>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<stan::math::var, -1, -1>; Src =
Eigen::Matrix<stan::math::var, -1, -1>; Func =
Eigen::internal::assign_op<stan::math::var, stan::math::var>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:728:41:   required from 'Derived&
Eigen::PlainObjectBase<Derived>::_set_noalias(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::Matrix<stan::math::var, -1, -1>; Derived = Eigen::Matrix<stan::math::var,
-1, -1>]'
```

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/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:278:27:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::Matrix(Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>&&) [with _Scalar = stan::math::var; int _Rows = -1; int _Cols = -1;
int _Options = 0; int _MaxRows = -1; int _MaxCols = -1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/rev/mat/fun/cholesky_decompose.hpp:278:10:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
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packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
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nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<st
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Eigen::internal::evaluator<Eigen::Matrix<stan::math::var, -1, 1> >,
Eigen::internal::assign_op<stan::math::var, stan::math::var> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
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rix<stan::math::var, -1, 1> >,
Eigen::internal::evaluator<Eigen::Matrix<stan::math::var, -1, 1> >,
Eigen::internal::assign_op<stan::math::var, stan::math::var>, 0>'
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SrcXprType = Eigen::Matrix<stan::math::var, -1, 1>; Functor =
Eigen::internal::assign_op<stan::math::var, stan::math::var>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<stan::math::var, -1, 1>; SrcXprType =
Eigen::Matrix<stan::math::var, -1, 1>; Functor =
Eigen::internal::assign_op<stan::math::var, stan::math::var>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
```

```
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<stan::math::var, -1, 1>; Src =
Eigen::Matrix<stan::math::var, -1, 1>; Func =
Eigen::internal::assign_op<stan::math::var, stan::math::var>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:728:41:   required from 'Derived&
Eigen::PlainObjectBase<Derived>::_set_noalias(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::Matrix<stan::math::var, -1, 1>; Derived = Eigen::Matrix<stan::math::var,
-1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:278:27:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::Matrix(Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>&&) [with _Scalar = stan::math::var; int _Rows = -1; int _Cols = 1; int
_Options = 0; int _MaxRows = -1; int _MaxCols = 1]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/to_var.hpp:50:10:
required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
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      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
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                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |      MaySliceVectorize  = bool(MightVectorize) &&
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      |                                                 ^~~~~~~~~~~~~~~~~~
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packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
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packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
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                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
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packages/pystan/stan_fit.hpp:22,
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nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<st
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Eigen::internal::assign_op<stan::math::var, stan::math::var> >':
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Eigen::internal::evaluator<Eigen::Matrix<stan::math::var, 1, -1> >,
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const Functor&) [with DstXprType = Eigen::Matrix<stan::math::var, 1, -1>;
```

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SrcXprType = Eigen::Matrix<stan::math::var, 1, -1>; Functor =
Eigen::internal::assign_op<stan::math::var, stan::math::var>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
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Functor&) [with DstXprType = Eigen::Matrix<stan::math::var, 1, -1>; SrcXprType =
Eigen::Matrix<stan::math::var, 1, -1>; Functor =
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Dst = Eigen::Matrix<stan::math::var, 1, -1>; Src =
Eigen::Matrix<stan::math::var, 1, -1>; Func =
Eigen::internal::assign_op<stan::math::var, stan::math::var>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:728:41:   required from 'Derived&
Eigen::PlainObjectBase<Derived>::_set_noalias(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::Matrix<stan::math::var, 1, -1>; Derived = Eigen::Matrix<stan::math::var,
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gen_3.3.3/Eigen/src/Core/Matrix.h:278:27:   required from
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_MaxCols>::Matrix(Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>&&) [with _Scalar = stan::math::var; int _Rows = 1; int _Cols = -1; int
_Options = 1; int _MaxRows = 1; int _MaxCols = -1]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/to_var.hpp:75:10:
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packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
```

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packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
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bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::ArrayWrap
per<Eigen::Matrix<double, -1, 1> > >,
Eigen::internal::evaluator<Eigen::ArrayWrapper<const Eigen::Matrix<double, -1,
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1> > >, Eigen::internal::div_assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Arr
ayWrapper<Eigen::Matrix<double, -1, 1> > >,
Eigen::internal::evaluator<Eigen::ArrayWrapper<const Eigen::Matrix<double, -1,
1> > >, Eigen::internal::div_assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::ArrayWrapper<Eigen::Matrix<double, -1,
1> >; SrcXprType = Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, 1> >;
Functor = Eigen::internal::div_assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::ArrayWrapper<Eigen::Matrix<double, -1, 1> >;
SrcXprType = Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, 1> >; Functor =
Eigen::internal::div_assign_op<double, double>; Weak = void]'
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gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::ArrayWrapper<Eigen::Matrix<double, -1, 1> >; Src =
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gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::ArrayWrapper<Eigen::Matrix<double, -1, 1> >; Src =
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, 1> >; Func =
Eigen::internal::div_assign_op<double, double>; typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/ArrayBase.h:220:18:   required from 'Derived&
Eigen::ArrayBase<Derived>::operator/=(const Eigen::ArrayBase<OtherDerived>&)
[with OtherDerived = Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, 1> >;
Derived = Eigen::ArrayWrapper<Eigen::Matrix<double, -1, 1> >]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/variational/families/normal_fullrank.hpp:273:39:
required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in

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boolean context [-Wint-in-bool-context]
   86 |      MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
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packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
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packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
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packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
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                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
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   90 |      MaySliceVectorize  = bool(MightVectorize) &&
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      |                                                       ^~~~~~~~~~~~~~~~~~
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packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
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packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
```

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packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
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fd542ccee9_5381600317920641068.cpp:1287:
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gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::ArrayWrap
per<Eigen::Matrix<double, -1, -1> > >,
Eigen::internal::evaluator<Eigen::ArrayWrapper<const Eigen::Matrix<double, -1,
-1> > >, Eigen::internal::div_assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Arr
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Eigen::internal::evaluator<Eigen::ArrayWrapper<const Eigen::Matrix<double, -1,
-1> > >, Eigen::internal::div_assign_op<double, double>, 0>'
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-1> >; SrcXprType = Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, -1> >;
Functor = Eigen::internal::div_assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
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Functor&) [with DstXprType = Eigen::ArrayWrapper<Eigen::Matrix<double, -1, -1>
>; SrcXprType = Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, -1> >;
Functor = Eigen::internal::div_assign_op<double, double>; Weak = void]'
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gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::ArrayWrapper<Eigen::Matrix<double, -1, -1> >; Src =
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, -1> >; Func =
Eigen::internal::div_assign_op<double, double>]'
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gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::ArrayWrapper<Eigen::Matrix<double, -1, -1> >; Src =
```

```
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, -1> >; Func =
Eigen::internal::div_assign_op<double, double>; typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/ArrayBase.h:220:18:   required from 'Derived&
Eigen::ArrayBase<Derived>::operator/=(const Eigen::ArrayBase<OtherDerived>&)
[with OtherDerived = Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, -1> >;
Derived = Eigen::ArrayWrapper<Eigen::Matrix<double, -1, -1> >]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/variational/families/normal_fullrank.hpp:274:47:
required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
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   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
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      |
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packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
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packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
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packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
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packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
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packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
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/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
```

```
   90 |      MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                    ^~~~~~~~~~~~~~~~~~
```
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                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
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                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:22,
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/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::internal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::ArrayWrapper<Eigen::Matrix<double, -1, 1> > >, Eigen::internal::evaluator<Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, Eigen::Array<double, -1, 1> > >, Eigen::internal::add_assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen::internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::ArrayWrapper<Eigen::Matrix<double, -1, 1> > >, Eigen::internal::evaluator<Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, Eigen::Array<double, -1, 1> > >, Eigen::internal::add_assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&, const Functor&) [with DstXprType = Eigen::ArrayWrapper<Eigen::Matrix<double, -1, 1> >; SrcXprType = Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, Eigen::Array<double, -1, 1> >; Functor = Eigen::internal::add_assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
```

gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::ArrayWrapper<Eigen::Matrix<double, -1, 1> >;
SrcXprType = Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
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double>; Weak = void]'
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Dst = Eigen::ArrayWrapper<Eigen::Matrix<double, -1, 1> >; Src =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Array<double, -1, 1> >; Func = Eigen::internal::add_assign_op<double,
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= Eigen::ArrayWrapper<Eigen::Matrix<double, -1, 1> >; Src =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Array<double, -1, 1> >; Func = Eigen::internal::add_assign_op<double,
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Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/SelfCwiseBinaryOp.h:29:28:   required from 'Derived&
Eigen::ArrayBase<Derived>::operator+=(const Scalar&) [with Derived =
Eigen::ArrayWrapper<Eigen::Matrix<double, -1, 1> >;
Eigen::ArrayBase<Derived>::Scalar = double]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/variational/families/normal_fullrank.hpp:290:24:
required from here
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packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
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packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
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                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
```

gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::ArrayWrap
per<Eigen::Matrix<double, -1, -1> > >, Eigen::internal::evaluator<Eigen::CwiseNu
llaryOp<Eigen::internal::scalar_constant_op<double>, Eigen::Array<double, -1,
-1> > >, Eigen::internal::add_assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Arr
ayWrapper<Eigen::Matrix<double, -1, -1> > >, Eigen::internal::evaluator<Eigen::C
wiseNullaryOp<Eigen::internal::scalar_constant_op<double>, Eigen::Array<double,
-1, -1> > >, Eigen::internal::add_assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::ArrayWrapper<Eigen::Matrix<double, -1,
-1> >; SrcXprType =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Array<double, -1, -1> >; Functor = Eigen::internal::add_assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::ArrayWrapper<Eigen::Matrix<double, -1, -1>
>; SrcXprType =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Array<double, -1, -1> >; Functor = Eigen::internal::add_assign_op<double,
double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::ArrayWrapper<Eigen::Matrix<double, -1, -1> >; Src =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Array<double, -1, -1> >; Func = Eigen::internal::add_assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::ArrayWrapper<Eigen::Matrix<double, -1, -1> >; Src =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Array<double, -1, -1> >; Func = Eigen::internal::add_assign_op<double,
double>; typename Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei

```
gen_3.3.3/Eigen/src/Core/SelfCwiseBinaryOp.h:29:28:   required from 'Derived&
Eigen::ArrayBase<Derived>::operator+=(const Scalar&) [with Derived =
Eigen::ArrayWrapper<Eigen::Matrix<double, -1, -1> >;
Eigen::ArrayBase<Derived>::Scalar = double]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/variational/families/normal_fullrank.hpp:291:28:
required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                   ^~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
```

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                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, -1, -1> >, Eigen::internal::evaluator<Eigen::CwiseNullaryOp<Eigen::interna
l::scalar_constant_op<double>, Eigen::Matrix<double, -1, -1> > >,
Eigen::internal::mul_assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<double, -1, -1> >, Eigen::internal::evaluator<Eigen::CwiseNullaryOp<Eigen::i
nternal::scalar_constant_op<double>, Eigen::Matrix<double, -1, -1> > >,
Eigen::internal::mul_assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<double, -1, -1>; SrcXprType =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, -1> >; Functor =
Eigen::internal::mul_assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<double, -1, -1>; SrcXprType =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, -1> >; Functor =
Eigen::internal::mul_assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
```

```
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, -1>; Src =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, -1> >; Func = Eigen::internal::mul_assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Matrix<double, -1, -1>; Src =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, -1> >; Func = Eigen::internal::mul_assign_op<double,
double>; typename Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/SelfCwiseBinaryOp.h:21:28:   required from 'Derived&
Eigen::DenseBase<Derived>::operator*=(const Scalar&) [with Derived =
Eigen::Matrix<double, -1, -1>; Eigen::DenseBase<Derived>::Scalar = double]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/variational/families/normal_fullrank.hpp:309:20:
required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
```

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                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                    from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
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packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                    from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, -1, 1> >, Eigen::internal::evaluator<Eigen::CwiseNullaryOp<Eigen::internal
::scalar_constant_op<double>, Eigen::Matrix<double, -1, 1> > >,
Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<double, -1, 1> >, Eigen::internal::evaluator<Eigen::CwiseNullaryOp<Eigen::in
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ternal::scalar_constant_op<double>, Eigen::Matrix<double, -1, 1> > >,
Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; Functor = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; Functor = Eigen::internal::assign_op<double,
double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, 1>; Src =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; Func = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:728:41:   required from 'Derived&
Eigen::PlainObjectBase<Derived>::_set_noalias(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; Derived = Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:812:25:   required from 'void
Eigen::PlainObjectBase<Derived>::_init1(const Eigen::DenseBase<ElseDerived>&)
[with T = Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; OtherDerived =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; Derived = Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:296:31:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::Matrix(const T&) [with T =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; _Scalar = double; int _Rows = -1; int _Cols = 1;
int _Options = 0; int _MaxRows = -1; int _MaxCols = 1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/rev/mat/meta/operands_and_partials.hpp:23:9:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in

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boolean context [-Wint-in-bool-context]
   86 |      MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |      MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                  ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
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                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
```

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packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, -1, -1> >, Eigen::internal::evaluator<Eigen::Transpose<const
Eigen::Matrix<double, -1, -1> > >, Eigen::internal::assign_op<double, double>
>':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<double, -1, -1> >, Eigen::internal::evaluator<Eigen::Transpose<const
Eigen::Matrix<double, -1, -1> > >, Eigen::internal::assign_op<double, double>,
0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<double, -1, -1>; SrcXprType =
Eigen::Transpose<const Eigen::Matrix<double, -1, -1> >; Functor =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<double, -1, -1>; SrcXprType =
Eigen::Transpose<const Eigen::Matrix<double, -1, -1> >; Functor =
Eigen::internal::assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, -1>; Src = Eigen::Transpose<const
Eigen::Matrix<double, -1, -1> >; Func = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:728:41:   required from 'Derived&
Eigen::PlainObjectBase<Derived>::_set_noalias(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived = Eigen::Transpose<const
Eigen::Matrix<double, -1, -1> >; Derived = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
```

gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:537:19:   required from
'Eigen::PlainObjectBase<Derived>::PlainObjectBase(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived = Eigen::Transpose<const
Eigen::Matrix<double, -1, -1> >; Derived = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:379:29:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::Matrix(const Eigen::EigenBase<OtherDerived>&) [with OtherDerived =
Eigen::Transpose<const Eigen::Matrix<double, -1, -1> >; _Scalar = double; int
_Rows = -1; int _Cols = -1; int _Options = 0; int _MaxRows = -1; int _MaxCols =
-1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/fun/multiply_lower_tri_self_transpose.hpp:29:29:   required from
here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 | MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~^~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]

82

```
    90 |      MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                 ^~~~~~~~~~~~~~~~~~
```
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
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packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
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                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
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packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
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nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, -1, 1> >, Eigen::internal::evaluator<Eigen::Block<const
Eigen::Matrix<double, -1, -1>, -1, 1, true> >,
Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
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rix<double, -1, 1> >, Eigen::internal::evaluator<Eigen::Block<const
Eigen::Matrix<double, -1, -1>, -1, 1, true> >,
Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::Block<const Eigen::Matrix<double, -1, -1>, -1, 1, true>; Functor =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,

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```

Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::Block<const Eigen::Matrix<double, -1, -1>, -1, 1, true>; Functor =
Eigen::internal::assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, 1>; Src = Eigen::Block<const
Eigen::Matrix<double, -1, -1>, -1, 1, true>; Func =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:728:41:   required from 'Derived&
Eigen::PlainObjectBase<Derived>::_set_noalias(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived = Eigen::Block<const
Eigen::Matrix<double, -1, -1>, -1, 1, true>; Derived = Eigen::Matrix<double, -1,
1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:537:19:   required from
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Eigen::DenseBase<OtherDerived>&) [with OtherDerived = Eigen::Block<const
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1>]'
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gen_3.3.3/Eigen/src/Core/Matrix.h:379:29:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::Matrix(const Eigen::EigenBase<OtherDerived>&) [with OtherDerived =
Eigen::Block<const Eigen::Matrix<double, -1, -1>, -1, 1, true>; _Scalar =
double; int _Rows = -1; int _Cols = 1; int _Options = 0; int _MaxRows = -1; int
_MaxCols = 1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/fun/matrix_exp_action_handler.hpp:63:36:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
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      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~
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                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,

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                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
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      |                                                       ^~~~~~~~~~~~~~~~~~
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                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
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gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Block<Eig
en::Matrix<double, -1, -1>, -1, 1, true> >,
```

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Eigen::internal::evaluator<Eigen::Matrix<double, -1, 1> >,
Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Blo
ck<Eigen::Matrix<double, -1, -1>, -1, 1, true> >,
Eigen::internal::evaluator<Eigen::Matrix<double, -1, 1> >,
Eigen::internal::assign_op<double, double>, 0>'
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gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
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-1, 1, true>; SrcXprType = Eigen::Matrix<double, -1, 1>; Functor =
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Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1,
true>; SrcXprType = Eigen::Matrix<double, -1, 1>; Functor =
Eigen::internal::assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1, true>; Src =
Eigen::Matrix<double, -1, 1>; Func = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1, true>; Src =
Eigen::Matrix<double, -1, 1>; Func = Eigen::internal::assign_op<double, double>;
typename Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&) [with Dst =
Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1, true>; Src =
Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Assign.h:66:28:   required from 'Derived&
Eigen::MatrixBase<Derived>::operator=(const Eigen::DenseBase<OtherDerived>&)
[with OtherDerived = Eigen::Matrix<double, -1, 1>; Derived =
Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1, true>]'
```

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/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/fun/matrix_exp_action_handler.hpp:85:22:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
```

packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, -1, -1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen::internal
::scalar_product_op<double, double>, const Eigen::Matrix<double, -1, -1>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> > > >, Eigen::internal::assign_op<double, double>
>':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<double, -1, -1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen::in
ternal::scalar_product_op<double, double>, const Eigen::Matrix<double, -1, -1>,
const Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> > > >, Eigen::internal::assign_op<double, double>,
0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<double, -1, -1>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::Matrix<double, -1, -1>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> > >; Functor = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<double, -1, -1>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::Matrix<double, -1, -1>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const

```
Eigen::Matrix<double, -1, -1> > >; Functor = Eigen::internal::assign_op<double,
double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, -1>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::Matrix<double, -1, -1>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> > >; Func = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:728:41:   required from 'Derived&
Eigen::PlainObjectBase<Derived>::_set_noalias(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::Matrix<double, -1, -1>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> > >; Derived = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:537:19:   required from
'Eigen::PlainObjectBase<Derived>::PlainObjectBase(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::Matrix<double, -1, -1>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> > >; Derived = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:379:29:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::Matrix(const Eigen::EigenBase<OtherDerived>&) [with OtherDerived =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::Matrix<double, -1, -1>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> > >; _Scalar = double; int _Rows = -1; int _Cols =
-1; int _Options = 0; int _MaxRows = -1; int _MaxCols = -1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/fun/matrix_exp_action_handler.hpp:112:33:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
```

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packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
```

```
packages/pystan/stan_fit.hpp:22,
                  from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, -1, -1> >, Eigen::internal::evaluator<Eigen::CwiseNullaryOp<Eigen::interna
l::scalar_constant_op<double>, Eigen::Matrix<double, -1, -1> > >,
Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<double, -1, -1> >, Eigen::internal::evaluator<Eigen::CwiseNullaryOp<Eigen::i
nternal::scalar_constant_op<double>, Eigen::Matrix<double, -1, -1> > >,
Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<double, -1, -1>; SrcXprType =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, -1> >; Functor = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<double, -1, -1>; SrcXprType =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, -1> >; Functor = Eigen::internal::assign_op<double,
double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, -1>; Src =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, -1> >; Func = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:728:41:   required from 'Derived&
Eigen::PlainObjectBase<Derived>::_set_noalias(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, -1> >; Derived = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:812:25:   required from 'void
Eigen::PlainObjectBase<Derived>::_init1(const Eigen::DenseBase<ElseDerived>&)
[with T = Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, -1> >; OtherDerived =
```

```
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, -1> >; Derived = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:296:31:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::Matrix(const T&) [with T =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, -1> >; _Scalar = double; int _Rows = -1; int _Cols =
-1; int _Options = 0; int _MaxRows = -1; int _MaxCols = -1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/fun/welford_covar_estimator.hpp:13:39:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~
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packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~~
```

In file included from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::internal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<double, -1, 1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen::internal::scalar_difference_op<double, double>, const Eigen::Matrix<double, -1, 1>, const Eigen::Matrix<double, -1, 1> > >, Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen::internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Matrix<double, -1, 1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen::internal::scalar_difference_op<double, double>, const Eigen::Matrix<double, -1, 1>, const Eigen::Matrix<double, -1, 1> > >, Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&, const Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType = Eigen::CwiseBinaryOp<Eigen::internal::scalar_difference_op<double, double>, const Eigen::Matrix<double, -1, 1>, const Eigen::Matrix<double, -1, 1> >; Functor = Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void Eigen::internal::Assignment<DstXprType, SrcXprType, Functor, Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const

Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_difference_op<double, double>,
const Eigen::Matrix<double, -1, 1>, const Eigen::Matrix<double, -1, 1> >;
Functor = Eigen::internal::assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, 1>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_difference_op<double, double>,
const Eigen::Matrix<double, -1, 1>, const Eigen::Matrix<double, -1, 1> >; Func =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:728:41:   required from 'Derived&
Eigen::PlainObjectBase<Derived>::_set_noalias(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_difference_op<double, double>,
const Eigen::Matrix<double, -1, 1>, const Eigen::Matrix<double, -1, 1> >;
Derived = Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:812:25:   required from 'void
Eigen::PlainObjectBase<Derived>::_init1(const Eigen::DenseBase<ElseDerived>&)
[with T = Eigen::CwiseBinaryOp<Eigen::internal::scalar_difference_op<double,
double>, const Eigen::Matrix<double, -1, 1>, const Eigen::Matrix<double, -1, 1>
>; OtherDerived =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_difference_op<double, double>,
const Eigen::Matrix<double, -1, 1>, const Eigen::Matrix<double, -1, 1> >;
Derived = Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:296:31:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::Matrix(const T&) [with T =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_difference_op<double, double>,
const Eigen::Matrix<double, -1, 1>, const Eigen::Matrix<double, -1, 1> >;
_Scalar = double; int _Rows = -1; int _Cols = 1; int _Options = 0; int _MaxRows
= -1; int _MaxCols = 1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/fun/welford_covar_estimator.hpp:26:33:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 | MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~^~~~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,

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            from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
            from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
            from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
            from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
            from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
            from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
            from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
            from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
            from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
            from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
            from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
            from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
            from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
            from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
            from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
            from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
            from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
            from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
            from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
            from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
```

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                    from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Block<Eig
en::Matrix<double, -1, -1>, -1, -1, false> >,
Eigen::internal::evaluator<Eigen::Matrix<double, -1, -1> >,
Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Blo
ck<Eigen::Matrix<double, -1, -1>, -1, -1, false> >,
Eigen::internal::evaluator<Eigen::Matrix<double, -1, -1> >,
Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Block<Eigen::Matrix<double, -1, -1>,
-1, -1, false>; SrcXprType = Eigen::Matrix<double, -1, -1>; Functor =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1,
false>; SrcXprType = Eigen::Matrix<double, -1, -1>; Functor =
Eigen::internal::assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>; Src =
Eigen::Matrix<double, -1, -1>; Func = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>; Src =
Eigen::Matrix<double, -1, -1>; Func = Eigen::internal::assign_op<double,
double>; typename Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&) [with Dst =
Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>; Src =
```

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Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Assign.h:66:28:   required from 'Derived&
Eigen::MatrixBase<Derived>::operator=(const Eigen::DenseBase<OtherDerived>&)
[with OtherDerived = Eigen::Matrix<double, -1, -1>; Derived =
Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/rev/mat/fun/cholesky_decompose.hpp:74:52:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
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packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Triangula
rView<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, 10> >,
Eigen::internal::evaluator<Eigen::TriangularView<const Eigen::Transpose<const
Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false> >, 10> >,
Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Tri
angularView<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, 10> >,
Eigen::internal::evaluator<Eigen::TriangularView<const Eigen::Transpose<const
Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false> >, 10> >,
Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/TriangularMatrix.h:736:7:   required from 'class
Eigen::internal::triangular_dense_assignment_kernel<2, 8, 0, Eigen::internal::ev
aluator<Eigen::TriangularView<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1,
-1, false>, 10> >, Eigen::internal::evaluator<Eigen::TriangularView<const
Eigen::Transpose<const Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1,
false> >, 10> >, Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/TriangularMatrix.h:799:10:   required from 'void
Eigen::internal::call_triangular_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with int Mode = 10; bool SetOpposite = false; DstXprType =
Eigen::TriangularView<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1,
false>, 10>; SrcXprType = Eigen::TriangularView<const Eigen::Transpose<const

Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false> >, 10>; Functor =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/TriangularMatrix.h:829:61:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Triangular2Triangular>::run(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType =
Eigen::TriangularView<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1,
false>, 10>; SrcXprType = Eigen::TriangularView<const Eigen::Transpose<const
Eigen::Block::Matrix<double, -1, -1>, -1, -1, false> >, 10>; Functor =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::TriangularView<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1,
false>, 10>; Src = Eigen::TriangularView<const Eigen::Transpose<const
Eigen::Block::Matrix<double, -1, -1>, -1, -1, false> >, 10>; Func =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::TriangularView<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1,
false>, 10>; Src = Eigen::TriangularView<const Eigen::Transpose<const
Eigen::Block::Matrix<double, -1, -1>, -1, -1, false> >, 10>; Func =
Eigen::internal::assign_op<double, double>; typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::TriangularShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&) [with Dst =
Eigen::TriangularView<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1,
false>, 10>; Src = Eigen::TriangularView<const Eigen::Transpose<const
Eigen::Block::Matrix<double, -1, -1>, -1, -1, false> >, 10>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/TriangularMatrix.h:580:28:   required from
'Eigen::TriangularView<MatrixType, _Mode>&
Eigen::TriangularViewImpl<_MatrixType, _Mode, Eigen::Dense>::operator=(const
Eigen::TriangularBase<OtherDerived>&) [with OtherDerived =
Eigen::TriangularView<const Eigen::Transpose<const
Eigen::Block::Matrix<double, -1, -1>, -1, -1, false> >, 10>; _MatrixType =
Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>; unsigned int _Mode =
10]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/rev/mat/fun/cholesky_decompose.hpp:76:56:   required from here

99

```
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                  ^~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
```

```
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Block<Eig
en::Matrix<double, -1, -1>, -1, -1, false> >,
Eigen::internal::evaluator<Eigen::Transpose<const Eigen::Solve<Eigen::Triangular
View<Eigen::Transpose<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>
>, 2>, Eigen::Transpose<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1,
false> > > > >, Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Blo
ck<Eigen::Matrix<double, -1, -1>, -1, -1, false> >,
Eigen::internal::evaluator<Eigen::Transpose<const Eigen::Solve<Eigen::Triangular
View<Eigen::Transpose<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>
>, 2>, Eigen::Transpose<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1,
false> > > > >, Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Block<Eigen::Matrix<double, -1, -1>,
-1, -1, false>; SrcXprType = Eigen::Transpose<const Eigen::Solve<Eigen::Triangul
arView<Eigen::Transpose<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1,
false> >, 2>, Eigen::Transpose<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1,
-1, false> > > >; Functor = Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1,
false>; SrcXprType = Eigen::Transpose<const Eigen::Solve<Eigen::TriangularView<E
igen::Transpose<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false> >,
2>, Eigen::Transpose<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>
> > >; Functor = Eigen::internal::assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
```

```
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>; Src =
Eigen::Transpose<const Eigen::Solve<Eigen::TriangularView<Eigen::Transpose<Eigen
::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false> >, 2>,
Eigen::Transpose<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false> > >
>; Func = Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>; Src =
Eigen::Transpose<const Eigen::Solve<Eigen::TriangularView<Eigen::Transpose<Eigen
::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false> >, 2>,
Eigen::Transpose<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false> > >
>; Func = Eigen::internal::assign_op<double, double>; typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&) [with Dst =
Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>; Src =
Eigen::Transpose<const Eigen::Solve<Eigen::TriangularView<Eigen::Transpose<Eigen
::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false> >, 2>,
Eigen::Transpose<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false> > >
>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Assign.h:66:28:   required from 'Derived&
Eigen::MatrixBase<Derived>::operator=(const Eigen::DenseBase<OtherDerived>&)
[with OtherDerived = Eigen::Transpose<const Eigen::Solve<Eigen::TriangularView<E
igen::Transpose<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false> >,
2>, Eigen::Transpose<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>
> > >; Derived = Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/rev/mat/fun/cholesky_decompose.hpp:121:31:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
```

```
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |    MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
```

```
                    from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Triangula
rView<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, 10> >, Eigen::
internal::evaluator<Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<do
uble>, Eigen::Matrix<double, -1, -1> > >, Eigen::internal::assign_op<double,
double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Tri
angularView<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, 10> >, E
igen::internal::evaluator<Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant
_op<double>, Eigen::Matrix<double, -1, -1> > >,
Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/TriangularMatrix.h:736:7:   required from 'class
Eigen::internal::triangular_dense_assignment_kernel<2, 8, 0, Eigen::internal::ev
aluator<Eigen::TriangularView<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1,
-1, false>, 10> >, Eigen::internal::evaluator<Eigen::CwiseNullaryOp<Eigen::inter
nal::scalar_constant_op<double>, Eigen::Matrix<double, -1, -1> > >,
Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/TriangularMatrix.h:799:10:   required from 'void
Eigen::internal::call_triangular_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with int Mode = 10; bool SetOpposite = false; DstXprType =
Eigen::TriangularView<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1,
false>, 10>; SrcXprType =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, -1> >; Functor = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/TriangularMatrix.h:847:61:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Triangular>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType =
Eigen::TriangularView<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1,
false>, 10>; SrcXprType =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, -1> >; Functor = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::TriangularView<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1,
false>, 10>; Src =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
```

```
Eigen::Matrix<double, -1, -1> >; Func = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/TriangularMatrix.h:560:37:   required from
'Eigen::TriangularView<MatrixType, _Mode>&
Eigen::TriangularViewImpl<_MatrixType, _Mode, Eigen::Dense>::operator=(const
Eigen::MatrixBase<OtherDerived>&) [with OtherDerived =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, -1> >; _MatrixType =
Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>; unsigned int _Mode =
10]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/TriangularMatrix.h:394:20:   required from
'Eigen::TriangularViewImpl<_MatrixType, _Mode,
Eigen::Dense>::TriangularViewType& Eigen::TriangularViewImpl<_MatrixType, _Mode,
Eigen::Dense>::setConstant(const Scalar&) [with _MatrixType =
Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>; unsigned int _Mode =
10; Eigen::TriangularViewImpl<_MatrixType, _Mode,
Eigen::Dense>::TriangularViewType =
Eigen::TriangularView<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1,
false>, 10>; Eigen::TriangularViewImpl<_MatrixType, _Mode, Eigen::Dense>::Scalar
= double]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/TriangularMatrix.h:397:44:   required from
'Eigen::TriangularViewImpl<_MatrixType, _Mode,
Eigen::Dense>::TriangularViewType& Eigen::TriangularViewImpl<_MatrixType, _Mode,
Eigen::Dense>::setZero() [with _MatrixType = Eigen::Block<Eigen::Matrix<double,
-1, -1>, -1, -1, false>; unsigned int _Mode = 10;
Eigen::TriangularViewImpl<_MatrixType, _Mode, Eigen::Dense>::TriangularViewType
= Eigen::TriangularView<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1,
false>, 10>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/rev/mat/fun/cholesky_decompose.hpp:129:51:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
```

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              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
              from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
              from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
```

nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<st
an::math::var, -1, -1> >, Eigen::internal::evaluator<Eigen::Transpose<const
Eigen::Matrix<stan::math::var, -1, -1> > >,
Eigen::internal::assign_op<stan::math::var, stan::math::var> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<stan::math::var, -1, -1> >,
Eigen::internal::evaluator<Eigen::Transpose<const Eigen::Matrix<stan::math::var,
-1, -1> > >, Eigen::internal::assign_op<stan::math::var, stan::math::var>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<stan::math::var, -1, -1>;
SrcXprType = Eigen::Transpose<const Eigen::Matrix<stan::math::var, -1, -1> >;
Functor = Eigen::internal::assign_op<stan::math::var, stan::math::var>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<stan::math::var, -1, -1>; SrcXprType
= Eigen::Transpose<const Eigen::Matrix<stan::math::var, -1, -1> >; Functor =
Eigen::internal::assign_op<stan::math::var, stan::math::var>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<stan::math::var, -1, -1>; Src = Eigen::Transpose<const
Eigen::Matrix<stan::math::var, -1, -1> >; Func =
Eigen::internal::assign_op<stan::math::var, stan::math::var>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:728:41:   required from 'Derived&
Eigen::PlainObjectBase<Derived>::_set_noalias(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived = Eigen::Transpose<const
Eigen::Matrix<stan::math::var, -1, -1> >; Derived =
Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:812:25:   required from 'void
Eigen::PlainObjectBase<Derived>::_init1(const Eigen::DenseBase<ElseDerived>&)
[with T = Eigen::Transpose<const Eigen::Matrix<stan::math::var, -1, -1> >;
OtherDerived = Eigen::Transpose<const Eigen::Matrix<stan::math::var, -1, -1> >;
Derived = Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:296:31:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::Matrix(const T&) [with T = Eigen::Transpose<const
Eigen::Matrix<stan::math::var, -1, -1> >; _Scalar = stan::math::var; int _Rows =
-1; int _Cols = -1; int _Options = 0; int _MaxRows = -1; int _MaxCols = -1]'
/home/siyan/.local/lib/python3.10/site-

```
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/crossprod.hpp:17:56:
required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~~
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                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
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gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
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   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                  ^~~~~~~~~~~~~~~~~~
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                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
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packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, -1, -1> >,
Eigen::internal::evaluator<Eigen::Transpose<Eigen::Map<Eigen::Matrix<double, -1,
-1>, 0, Eigen::Stride<0, 0> > > >, Eigen::internal::assign_op<double, double>
>':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<double, -1, -1> >,
Eigen::internal::evaluator<Eigen::Transpose<Eigen::Map<Eigen::Matrix<double, -1,
-1>, 0, Eigen::Stride<0, 0> > > >, Eigen::internal::assign_op<double, double>,
0>'
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gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<double, -1, -1>; SrcXprType =
Eigen::Transpose<Eigen::Map<Eigen::Matrix<double, -1, -1>, 0, Eigen::Stride<0,
0> > >; Functor = Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<double, -1, -1>; SrcXprType =
Eigen::Transpose<Eigen::Map<Eigen::Matrix<double, -1, -1>, 0, Eigen::Stride<0,
0> > >; Functor = Eigen::internal::assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, -1>; Src =
Eigen::Transpose<Eigen::Map<Eigen::Matrix<double, -1, -1>, 0, Eigen::Stride<0,
0> > >; Func = Eigen::internal::assign_op<double, double>]'

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/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:728:41:   required from 'Derived&
Eigen::PlainObjectBase<Derived>::_set_noalias(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::Transpose<Eigen::Map<Eigen::Matrix<double, -1, -1>, 0, Eigen::Stride<0,
0> > >; Derived = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:537:19:   required from
'Eigen::PlainObjectBase<Derived>::PlainObjectBase(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::Transpose<Eigen::Map<Eigen::Matrix<double, -1, -1>, 0, Eigen::Stride<0,
0> > >; Derived = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:379:29:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::Matrix(const Eigen::EigenBase<OtherDerived>&) [with OtherDerived =
Eigen::Transpose<Eigen::Map<Eigen::Matrix<double, -1, -1>, 0, Eigen::Stride<0,
0> > >; _Scalar = double; int _Rows = -1; int _Cols = -1; int _Options = 0; int
_MaxRows = -1; int _MaxCols = -1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/rev/mat/fun/matrix_exp_multiply.hpp:35:23:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
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                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
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packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
```

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                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
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fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
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packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                    from /home/siyan/.local/lib/python3.10/site-
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nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, -1, -1> >, Eigen::internal::evaluator<Eigen::CwiseNullaryOp<Eigen::interna
l::scalar_identity_op<double>, Eigen::Matrix<double, -1, -1> > >,
Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
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rix<double, -1, -1> >, Eigen::internal::evaluator<Eigen::CwiseNullaryOp<Eigen::i
nternal::scalar_identity_op<double>, Eigen::Matrix<double, -1, -1> > >,
Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
```

```
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<double, -1, -1>; SrcXprType =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_identity_op<double>,
Eigen::Matrix<double, -1, -1> >; Functor = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
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Eigen::Matrix<double, -1, -1> >; Derived = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:812:25:   required from 'void
Eigen::PlainObjectBase<Derived>::_init1(const Eigen::DenseBase<ElseDerived>&)
[with T = Eigen::CwiseNullaryOp<Eigen::internal::scalar_identity_op<double>,
Eigen::Matrix<double, -1, -1> >; OtherDerived =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_identity_op<double>,
Eigen::Matrix<double, -1, -1> >; Derived = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:296:31:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::Matrix(const T&) [with T =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_identity_op<double>,
Eigen::Matrix<double, -1, -1> >; _Scalar = double; int _Rows = -1; int _Cols =
-1; int _Options = 0; int _MaxRows = -1; int _MaxCols = -1]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/variational/families/normal_fullrank.hpp:103:9:
required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
```

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In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
```

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                   from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                   from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                   from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                   from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, -1, 1> >, Eigen::internal::evaluator<Eigen::CwiseUnaryOp<Eigen::internal::
scalar_square_op<double>, const Eigen::ArrayWrapper<const Eigen::Matrix<double,
-1, 1> > > >, Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<double, -1, 1> >, Eigen::internal::evaluator<Eigen::CwiseUnaryOp<Eigen::inte
rnal::scalar_square_op<double>, const Eigen::ArrayWrapper<const
Eigen::Matrix<double, -1, 1> > > >, Eigen::internal::assign_op<double, double>,
0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::CwiseUnaryOp<Eigen::internal::scalar_square_op<double>, const
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, 1> > >; Functor =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::CwiseUnaryOp<Eigen::internal::scalar_square_op<double>, const
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, 1> > >; Functor =
Eigen::internal::assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, 1>; Src =
Eigen::CwiseUnaryOp<Eigen::internal::scalar_square_op<double>, const
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, 1> > >; Func =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:728:41:   required from 'Derived&
Eigen::PlainObjectBase<Derived>::_set_noalias(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::CwiseUnaryOp<Eigen::internal::scalar_square_op<double>, const
```

```
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, 1> > >; Derived =
Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:812:25:   required from 'void
Eigen::PlainObjectBase<Derived>::_init1(const Eigen::DenseBase<ElseDerived>&)
[with T = Eigen::CwiseUnaryOp<Eigen::internal::scalar_square_op<double>, const
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, 1> > >; OtherDerived =
Eigen::CwiseUnaryOp<Eigen::internal::scalar_square_op<double>, const
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, 1> > >; Derived =
Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:296:31:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::Matrix(const T&) [with T =
Eigen::CwiseUnaryOp<Eigen::internal::scalar_square_op<double>, const
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, 1> > >; _Scalar = double;
int _Rows = -1; int _Cols = 1; int _Options = 0; int _MaxRows = -1; int _MaxCols
= 1]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/variational/families/normal_fullrank.hpp:189:68:
required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
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   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
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      |
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                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
```

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                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
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      |                                                       ^~~~~~~~~~~~~~~~~~
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packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
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                from /home/siyan/.local/lib/python3.10/site-
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packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
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/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, -1, -1> >, Eigen::internal::evaluator<Eigen::CwiseUnaryOp<Eigen::internal:
:scalar_square_op<double>, const Eigen::ArrayWrapper<const Eigen::Matrix<double,
-1, -1> > > >, Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<double, -1, -1> >, Eigen::internal::evaluator<Eigen::CwiseUnaryOp<Eigen::int
ernal::scalar_square_op<double>, const Eigen::ArrayWrapper<const
Eigen::Matrix<double, -1, -1> > > >, Eigen::internal::assign_op<double, double>,
0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
```

gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<double, -1, -1>; SrcXprType =
Eigen::CwiseUnaryOp<Eigen::internal::scalar_square_op<double>, const
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, -1> > >; Functor =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<double, -1, -1>; SrcXprType =
Eigen::CwiseUnaryOp<Eigen::internal::scalar_square_op<double>, const
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, -1> > >; Functor =
Eigen::internal::assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, -1>; Src =
Eigen::CwiseUnaryOp<Eigen::internal::scalar_square_op<double>, const
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, -1> > >; Func =
Eigen::internal::assign_op<double, double>]'
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gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:728:41:   required from 'Derived&
Eigen::PlainObjectBase<Derived>::_set_noalias(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::CwiseUnaryOp<Eigen::internal::scalar_square_op<double>, const
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, -1> > >; Derived =
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Eigen::PlainObjectBase<Derived>::_init1(const Eigen::DenseBase<ElseDerived>&)
[with T = Eigen::CwiseUnaryOp<Eigen::internal::scalar_square_op<double>, const
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, -1> > >; OtherDerived =
Eigen::CwiseUnaryOp<Eigen::internal::scalar_square_op<double>, const
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, -1> > >; Derived =
Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:296:31:   required from
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_MaxCols>::Matrix(const T&) [with T =
Eigen::CwiseUnaryOp<Eigen::internal::scalar_square_op<double>, const
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, -1> > >; _Scalar = double;
int _Rows = -1; int _Cols = -1; int _Options = 0; int _MaxRows = -1; int
_MaxCols = -1]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/variational/families/normal_fullrank.hpp:190:72:
required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei

```
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
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   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
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                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
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packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
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packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
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packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
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packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
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packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
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packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
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packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
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from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
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from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::internal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<double, -1, 1> >, Eigen::internal::evaluator<Eigen::CwiseUnaryOp<Eigen::internal::scalar_sqrt_op<double>, const Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, 1> > > >, Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen::internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Matrix<double, -1, 1> >, Eigen::internal::evaluator<Eigen::CwiseUnaryOp<Eigen::internal::scalar_sqrt_op<double>, const Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, 1> > > >, Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&, const Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType = Eigen::CwiseUnaryOp<Eigen::internal::scalar_sqrt_op<double>, const Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, 1> > >; Functor = Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void Eigen::internal::Assignment<DstXprType, SrcXprType, Functor, Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType = Eigen::CwiseUnaryOp<Eigen::internal::scalar_sqrt_op<double>, const Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, 1> > >; Functor = Eigen::internal::assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with Dst = Eigen::Matrix<double, -1, 1>; Src = Eigen::CwiseUnaryOp<Eigen::internal::scalar_sqrt_op<double>, const Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, 1> > >; Func = Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei

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gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:728:41:   required from 'Derived&
Eigen::PlainObjectBase<Derived>::_set_noalias(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::CwiseUnaryOp<Eigen::internal::scalar_sqrt_op<double>, const
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, 1> > >; Derived =
Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:812:25:   required from 'void
Eigen::PlainObjectBase<Derived>::_init1(const Eigen::DenseBase<ElseDerived>&)
[with T = Eigen::CwiseUnaryOp<Eigen::internal::scalar_sqrt_op<double>, const
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, 1> > >; OtherDerived =
Eigen::CwiseUnaryOp<Eigen::internal::scalar_sqrt_op<double>, const
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, 1> > >; Derived =
Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:296:31:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::Matrix(const T&) [with T =
Eigen::CwiseUnaryOp<Eigen::internal::scalar_sqrt_op<double>, const
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, 1> > >; _Scalar = double;
int _Rows = -1; int _Cols = 1; int _Options = 0; int _MaxRows = -1; int _MaxCols
= 1]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/variational/families/normal_fullrank.hpp:204:66:
required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
```

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                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                    from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                    from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, -1, -1> >, Eigen::internal::evaluator<Eigen::CwiseUnaryOp<Eigen::internal:
:scalar_sqrt_op<double>, const Eigen::ArrayWrapper<const Eigen::Matrix<double,
-1, -1> > > >, Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<double, -1, -1> >, Eigen::internal::evaluator<Eigen::CwiseUnaryOp<Eigen::int
```

ernal::scalar_sqrt_op<double>, const Eigen::ArrayWrapper<const
Eigen::Matrix<double, -1, -1> > > >, Eigen::internal::assign_op<double, double>,
0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<double, -1, -1>; SrcXprType =
Eigen::CwiseUnaryOp<Eigen::internal::scalar_sqrt_op<double>, const
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, -1> > >; Functor =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<double, -1, -1>; SrcXprType =
Eigen::CwiseUnaryOp<Eigen::internal::scalar_sqrt_op<double>, const
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, -1> > >; Functor =
Eigen::internal::assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, -1>; Src =
Eigen::CwiseUnaryOp<Eigen::internal::scalar_sqrt_op<double>, const
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, -1> > >; Func =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:728:41:   required from 'Derived&
Eigen::PlainObjectBase<Derived>::_set_noalias(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::CwiseUnaryOp<Eigen::internal::scalar_sqrt_op<double>, const
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, -1> > >; Derived =
Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:812:25:   required from 'void
Eigen::PlainObjectBase<Derived>::_init1(const Eigen::DenseBase<ElseDerived>&)
[with T = Eigen::CwiseUnaryOp<Eigen::internal::scalar_sqrt_op<double>, const
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, -1> > >; OtherDerived =
Eigen::CwiseUnaryOp<Eigen::internal::scalar_sqrt_op<double>, const
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, -1> > >; Derived =
Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:296:31:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::Matrix(const T&) [with T =
Eigen::CwiseUnaryOp<Eigen::internal::scalar_sqrt_op<double>, const
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, -1> > >; _Scalar = double;
int _Rows = -1; int _Cols = -1; int _Options = 0; int _MaxRows = -1; int
_MaxCols = -1]'

```
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/variational/families/normal_fullrank.hpp:205:70:
required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                   ^~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
```

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                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, -1, 1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen::internal:
:scalar_sum_op<double, double>, const Eigen::Product<Eigen::Matrix<double, -1,
-1>, Eigen::Matrix<double, -1, 1>, 0>, const Eigen::Matrix<double, -1, 1> > >,
Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<double, -1, 1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen::int
ernal::scalar_sum_op<double, double>, const Eigen::Product<Eigen::Matrix<double,
-1, -1>, Eigen::Matrix<double, -1, 1>, 0>, const Eigen::Matrix<double, -1, 1> >
>, Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<double, double>, const
Eigen::Product<Eigen::Matrix<double, -1, -1>, Eigen::Matrix<double, -1, 1>, 0>,
const Eigen::Matrix<double, -1, 1> >; Functor =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<double, double>, const
Eigen::Product<Eigen::Matrix<double, -1, -1>, Eigen::Matrix<double, -1, 1>, 0>,
const Eigen::Matrix<double, -1, 1> >; Functor =
Eigen::internal::assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
```

```
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:    required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, 1>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<double, double>, const
Eigen::Product<Eigen::Matrix<double, -1, -1>, Eigen::Matrix<double, -1, 1>, 0>,
const Eigen::Matrix<double, -1, 1> >; Func = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:728:41:    required from 'Derived&
Eigen::PlainObjectBase<Derived>::_set_noalias(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<double, double>, const
Eigen::Product<Eigen::Matrix<double, -1, -1>, Eigen::Matrix<double, -1, 1>, 0>,
const Eigen::Matrix<double, -1, 1> >; Derived = Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:537:19:    required from
'Eigen::PlainObjectBase<Derived>::PlainObjectBase(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<double, double>, const
Eigen::Product<Eigen::Matrix<double, -1, -1>, Eigen::Matrix<double, -1, 1>, 0>,
const Eigen::Matrix<double, -1, 1> >; Derived = Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:379:29:    required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::Matrix(const Eigen::EigenBase<OtherDerived>&) [with OtherDerived =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<double, double>, const
Eigen::Product<Eigen::Matrix<double, -1, -1>, Eigen::Matrix<double, -1, 1>, 0>,
const Eigen::Matrix<double, -1, 1> >; _Scalar = double; int _Rows = -1; int
_Cols = 1; int _Options = 0; int _MaxRows = -1; int _MaxCols = 1]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/variational/families/normal_fullrank.hpp:363:34:
required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
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   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
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                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
```

packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 | MaySliceVectorize = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      | ^~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do

uble, -1, 1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen::internal:
:scalar_sum_op<double, double>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, 1> >, const
Eigen::CwiseUnaryOp<Eigen::internal::scalar_exp_op<double>, const
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, 1> > > >, const
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, 1> > > >,
Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<double, -1, 1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen::int
ernal::scalar_sum_op<double, double>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, 1> >, const
Eigen::CwiseUnaryOp<Eigen::internal::scalar_exp_op<double>, const
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, 1> > > >, const
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, 1> > > >,
Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<double, double>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, 1> >, const
Eigen::CwiseUnaryOp<Eigen::internal::scalar_exp_op<double>, const
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, 1> > > >, const
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, 1> > >; Functor =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<double, double>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, 1> >, const
Eigen::CwiseUnaryOp<Eigen::internal::scalar_exp_op<double>, const
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, 1> > > >, const
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, 1> > >; Functor =
Eigen::internal::assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, 1>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<double, double>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const

```
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, 1> >, const
Eigen::CwiseUnaryOp<Eigen::internal::scalar_exp_op<double>, const
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, 1> > > >, const
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, 1> > >; Func =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:728:41:   required from 'Derived&
Eigen::PlainObjectBase<Derived>::_set_noalias(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<double, double>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, 1> >, const
Eigen::CwiseUnaryOp<Eigen::internal::scalar_exp_op<double>, const
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, 1> > > >, const
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, 1> > >; Derived =
Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:537:19:   required from
'Eigen::PlainObjectBase<Derived>::PlainObjectBase(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<double, double>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, 1> >, const
Eigen::CwiseUnaryOp<Eigen::internal::scalar_exp_op<double>, const
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, 1> > > >, const
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, 1> > >; Derived =
Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:379:29:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::Matrix(const Eigen::EigenBase<OtherDerived>&) [with OtherDerived =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<double, double>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, 1> >, const
Eigen::CwiseUnaryOp<Eigen::internal::scalar_exp_op<double>, const
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, 1> > > >, const
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, 1> > >; _Scalar = double;
int _Rows = -1; int _Cols = 1; int _Options = 0; int _MaxRows = -1; int _MaxCols
= 1]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/variational/families/normal_meanfield.hpp:324:75:
required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
```

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In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
```

packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, -1, 1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen::internal:
:scalar_quotient_op<double, double>, const
Eigen::Product<Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double,
double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> >, const Eigen::Matrix<double, -1, -1> >,
Eigen::Matrix<double, -1, 1>, 0>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> > > >, Eigen::internal::assign_op<double, double>
>':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<double, -1, 1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen::int
ernal::scalar_quotient_op<double, double>, const
Eigen::Product<Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double,
double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> >, const Eigen::Matrix<double, -1, -1> >,
Eigen::Matrix<double, -1, 1>, 0>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> > > >, Eigen::internal::assign_op<double, double>,
0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_quotient_op<double, double>, const
Eigen::Product<Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double,
double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> >, const Eigen::Matrix<double, -1, -1> >,
Eigen::Matrix<double, -1, 1>, 0>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> > >; Functor = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void

Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_quotient_op<double, double>, const
Eigen::Product<Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double,
double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> >, const Eigen::Matrix<double, -1, -1> >,
Eigen::Matrix<double, -1, 1>, 0>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> > >; Functor = Eigen::internal::assign_op<double,
double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, 1>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_quotient_op<double, double>, const
Eigen::Product<Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double,
double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> >, const Eigen::Matrix<double, -1, -1> >,
Eigen::Matrix<double, -1, 1>, 0>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> > >; Func = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Matrix<double, -1, 1>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_quotient_op<double, double>, const
Eigen::Product<Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double,
double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> >, const Eigen::Matrix<double, -1, -1> >,
Eigen::Matrix<double, -1, 1>, 0>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> > >; Func = Eigen::internal::assign_op<double,
double>; typename Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&) [with Dst =
Eigen::Matrix<double, -1, 1>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_quotient_op<double, double>, const

```
Eigen::Product<Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double,
double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> >, const Eigen::Matrix<double, -1, -1> >,
Eigen::Matrix<double, -1, 1>, 0>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> > >]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:710:32:   required from 'Derived&
Eigen::PlainObjectBase<Derived>::_set(const Eigen::DenseBase<OtherDerived>&)
[with OtherDerived =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_quotient_op<double, double>, const
Eigen::Product<Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double,
double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> >, const Eigen::Matrix<double, -1, -1> >,
Eigen::Matrix<double, -1, 1>, 0>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> > >; Derived = Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:225:24:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows, _MaxCols>&
Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::operator=(const Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_quotient_op<double, double>, const
Eigen::Product<Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double,
double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> >, const Eigen::Matrix<double, -1, -1> >,
Eigen::Matrix<double, -1, 1>, 0>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> > >; _Scalar = double; int _Rows = -1; int _Cols =
1; int _Options = 0; int _MaxRows = -1; int _MaxCols = 1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/fun/matrix_exp_action_handler.hpp:70:35:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
```

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              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
              from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
              from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
```

/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, -1, -1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen::internal
::scalar_quotient_op<double, double>, const Eigen::Matrix<double, -1, -1>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> > > >, Eigen::internal::assign_op<double, double>
>':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<double, -1, -1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen::in
ternal::scalar_quotient_op<double, double>, const Eigen::Matrix<double, -1, -1>,
const Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> > > >, Eigen::internal::assign_op<double, double>,
0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<double, -1, -1>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_quotient_op<double, double>, const
Eigen::Matrix<double, -1, -1>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> > >; Functor = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<double, -1, -1>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_quotient_op<double, double>, const
Eigen::Matrix<double, -1, -1>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> > >; Functor = Eigen::internal::assign_op<double,
double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, -1>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_quotient_op<double, double>, const
Eigen::Matrix<double, -1, -1>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> > >; Func = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!

```
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Matrix<double, -1, -1>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_quotient_op<double, double>, const
Eigen::Matrix<double, -1, -1>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> > >; Func = Eigen::internal::assign_op<double,
double>; typename Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&) [with Dst =
Eigen::Matrix<double, -1, -1>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_quotient_op<double, double>, const
Eigen::Matrix<double, -1, -1>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> > >]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:710:32:   required from 'Derived&
Eigen::PlainObjectBase<Derived>::_set(const Eigen::DenseBase<OtherDerived>&)
[with OtherDerived =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_quotient_op<double, double>, const
Eigen::Matrix<double, -1, -1>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> > >; Derived = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:225:24:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows, _MaxCols>&
Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::operator=(const Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_quotient_op<double, double>, const
Eigen::Matrix<double, -1, -1>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> > >; _Scalar = double; int _Rows = -1; int _Cols =
-1; int _Options = 0; int _MaxRows = -1; int _MaxCols = -1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/fun/welford_covar_estimator.hpp:37:40:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
```

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packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
```

packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, -1, 1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen::internal:
:scalar_quotient_op<double, double>, const Eigen::Matrix<double, -1, 1>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> > > >, Eigen::internal::assign_op<double, double>
>':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<double, -1, 1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen::int
ernal::scalar_quotient_op<double, double>, const Eigen::Matrix<double, -1, 1>,
const Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> > > >, Eigen::internal::assign_op<double, double>,
0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_quotient_op<double, double>, const
Eigen::Matrix<double, -1, 1>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> > >; Functor = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_quotient_op<double, double>, const
Eigen::Matrix<double, -1, 1>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> > >; Functor = Eigen::internal::assign_op<double,
double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, 1>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_quotient_op<double, double>, const
Eigen::Matrix<double, -1, 1>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> > >; Func = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei

```
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Matrix<double, -1, 1>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_quotient_op<double, double>, const
Eigen::Matrix<double, -1, 1>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> > >; Func = Eigen::internal::assign_op<double,
double>; typename Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&) [with Dst =
Eigen::Matrix<double, -1, 1>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_quotient_op<double, double>, const
Eigen::Matrix<double, -1, 1>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> > >]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:710:32:   required from 'Derived&
Eigen::PlainObjectBase<Derived>::_set(const Eigen::DenseBase<OtherDerived>&)
[with OtherDerived =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_quotient_op<double, double>, const
Eigen::Matrix<double, -1, 1>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> > >; Derived = Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:225:24:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows, _MaxCols>&
Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::operator=(const Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_quotient_op<double, double>, const
Eigen::Matrix<double, -1, 1>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> > >; _Scalar = double; int _Rows = -1; int _Cols =
1; int _Options = 0; int _MaxRows = -1; int _MaxCols = 1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/fun/welford_var_estimator.hpp:37:38:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~
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In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
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                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                    from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Triangula
rView<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, 10> >,
Eigen::internal::evaluator<Eigen::Transpose<Eigen::Block<Eigen::Matrix<double,
-1, -1>, -1, -1, false> > >, Eigen::internal::swap_assign_op<double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Tri
angularView<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, 10> >,
Eigen::internal::evaluator<Eigen::Transpose<Eigen::Block<Eigen::Matrix<double,
-1, -1>, -1, -1, false> > >, Eigen::internal::swap_assign_op<double>, 1>'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/Swap.h:19:7:
required from 'class Eigen::internal::generic_dense_assignment_kernel<Eigen::int
ernal::evaluator<Eigen::TriangularView<Eigen::Block<Eigen::Matrix<double, -1,
-1>, -1, -1, false>, 10> >,
Eigen::internal::evaluator<Eigen::Transpose<Eigen::Block<Eigen::Matrix<double,
-1, -1>, -1, -1, false> > >, Eigen::internal::swap_assign_op<double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/TriangularMatrix.h:736:7:   required from 'class
Eigen::internal::triangular_dense_assignment_kernel<2, 8, 0, Eigen::internal::ev
aluator<Eigen::TriangularView<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1,
-1, false>, 10> >,
Eigen::internal::evaluator<Eigen::Transpose<Eigen::Block<Eigen::Matrix<double,
-1, -1>, -1, -1, false> > >, Eigen::internal::swap_assign_op<double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/TriangularMatrix.h:799:10:   required from 'void
Eigen::internal::call_triangular_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with int Mode = 10; bool SetOpposite = false; DstXprType =
Eigen::TriangularView<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1,
false>, 10>; SrcXprType = Eigen::Transpose<Eigen::Block<Eigen::Matrix<double,
-1, -1>, -1, -1, false> >; Functor = Eigen::internal::swap_assign_op<double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/TriangularMatrix.h:847:61:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Triangular>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType =
Eigen::TriangularView<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1,
false>, 10>; SrcXprType = Eigen::Transpose<Eigen::Block<Eigen::Matrix<double,
-1, -1>, -1, -1, false> >; Functor = Eigen::internal::swap_assign_op<double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
```

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gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::TriangularView<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1,
false>, 10>; Src = Eigen::Transpose<Eigen::Block<Eigen::Matrix<double, -1, -1>,
-1, -1, false> >; Func = Eigen::internal::swap_assign_op<double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::TriangularView<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1,
false>, 10>; Src = Eigen::Transpose<Eigen::Block<Eigen::Matrix<double, -1, -1>,
-1, -1, false> >; Func = Eigen::internal::swap_assign_op<double>; typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/TriangularMatrix.h:533:22:   required from 'void
Eigen::TriangularViewImpl<_MatrixType, _Mode, Eigen::Dense>::swap(const
Eigen::MatrixBase<OtherDerived>&) [with OtherDerived =
Eigen::Transpose<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false> >;
_MatrixType = Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>;
unsigned int _Mode = 10]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Transpose.h:256:63:   required from 'static void
Eigen::internal::inplace_transpose_selector<MatrixType, false,
MatchPacketSize>::run(MatrixType&) [with MatrixType =
Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>; bool MatchPacketSize
= false]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Transpose.h:288:53:   required from 'void
Eigen::DenseBase<Derived>::transposeInPlace() [with Derived =
Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/rev/mat/fun/cholesky_decompose.hpp:73:23:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
```

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packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
```

fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Triangula
rView<Eigen::Matrix<double, -1, -1>, 1> >, Eigen::internal::evaluator<Eigen::Cwi
seBinaryOp<Eigen::internal::scalar_quotient_op<double, double>, const
Eigen::Matrix<double, -1, -1>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> > > >, Eigen::internal::assign_op<double, double>
>':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Tri
angularView<Eigen::Matrix<double, -1, -1>, 1> >, Eigen::internal::evaluator<Eige
n::CwiseBinaryOp<Eigen::internal::scalar_quotient_op<double, double>, const
Eigen::Matrix<double, -1, -1>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> > > >, Eigen::internal::assign_op<double, double>,
0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/TriangularMatrix.h:736:7:   required from 'class
Eigen::internal::triangular_dense_assignment_kernel<1, 0, 0,
Eigen::internal::evaluator<Eigen::TriangularView<Eigen::Matrix<double, -1, -1>,
1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen::internal::scalar_qu
otient_op<double, double>, const Eigen::Matrix<double, -1, -1>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> > > >, Eigen::internal::assign_op<double, double>,
0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/TriangularMatrix.h:799:10:   required from 'void
Eigen::internal::call_triangular_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with int Mode = 1; bool SetOpposite = false; DstXprType =
Eigen::TriangularView<Eigen::Matrix<double, -1, -1>, 1>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_quotient_op<double, double>, const
Eigen::Matrix<double, -1, -1>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> > >; Functor = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/TriangularMatrix.h:847:61:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Triangular>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::TriangularView<Eigen::Matrix<double, -1,
-1>, 1>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_quotient_op<double, double>, const
Eigen::Matrix<double, -1, -1>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> > >; Functor = Eigen::internal::assign_op<double,

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double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::TriangularView<Eigen::Matrix<double, -1, -1>, 1>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_quotient_op<double, double>, const
Eigen::Matrix<double, -1, -1>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> > >; Func = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/TriangularMatrix.h:560:37:   required from
'Eigen::TriangularView<MatrixType, _Mode>&
Eigen::TriangularViewImpl<_MatrixType, _Mode, Eigen::Dense>::operator=(const
Eigen::MatrixBase<OtherDerived>&) [with OtherDerived =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_quotient_op<double, double>, const
Eigen::Matrix<double, -1, -1>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> > >; _MatrixType = Eigen::Matrix<double, -1, -1>;
unsigned int _Mode = 1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/TriangularMatrix.h:386:112:   required from
'Eigen::TriangularViewImpl<_MatrixType, _Mode,
Eigen::Dense>::TriangularViewType& Eigen::TriangularViewImpl<_MatrixType, _Mode,
Eigen::Dense>::operator/=(const typename Eigen::internal::traits<T>::Scalar&)
[with _MatrixType = Eigen::Matrix<double, -1, -1>; unsigned int _Mode = 1;
Eigen::TriangularViewImpl<_MatrixType, _Mode, Eigen::Dense>::TriangularViewType
= Eigen::TriangularView<Eigen::Matrix<double, -1, -1>, 1>; typename
Eigen::internal::traits<T>::Scalar = double]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:435:40:   required from
'Eigen::SelfAdjointEigenSolver<MatrixType>&
Eigen::SelfAdjointEigenSolver<_MatrixType>::compute(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:168:14:   required from
'Eigen::SelfAdjointEigenSolver<_MatrixType>::SelfAdjointEigenSolver(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/newton.hpp:21:55:   required from
here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 | MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess

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In file included from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in boolean context [-Wint-in-bool-context]
   90 | MaySliceVectorize = bool(MightVectorize) && bool(DstHasDirectAccess)
      | ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,

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                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, -1, -1> >, Eigen::internal::evaluator<Eigen::Map<const
Eigen::Matrix<double, -1, -1>, 0, Eigen::Stride<0, 0> > >,
Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<double, -1, -1> >, Eigen::internal::evaluator<Eigen::Map<const
Eigen::Matrix<double, -1, -1>, 0, Eigen::Stride<0, 0> > >,
Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<double, -1, -1>; SrcXprType =
Eigen::Map<const Eigen::Matrix<double, -1, -1>, 0, Eigen::Stride<0, 0> >;
Functor = Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<double, -1, -1>; SrcXprType =
Eigen::Map<const Eigen::Matrix<double, -1, -1>, 0, Eigen::Stride<0, 0> >;
Functor = Eigen::internal::assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, -1>; Src = Eigen::Map<const
Eigen::Matrix<double, -1, -1>, 0, Eigen::Stride<0, 0> >; Func =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:728:41:   required from 'Derived&
Eigen::PlainObjectBase<Derived>::_set_noalias(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived = Eigen::Map<const
Eigen::Matrix<double, -1, -1>, 0, Eigen::Stride<0, 0> >; Derived =
Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:537:19:   required from
'Eigen::PlainObjectBase<Derived>::PlainObjectBase(const
```

```
Eigen::DenseBase<OtherDerived>&) [with OtherDerived = Eigen::Map<const
Eigen::Matrix<double, -1, -1>, 0, Eigen::Stride<0, 0> >; Derived =
Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:379:29:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::Matrix(const Eigen::EigenBase<OtherDerived>&) [with OtherDerived =
Eigen::Map<const Eigen::Matrix<double, -1, -1>, 0, Eigen::Stride<0, 0> >;
_Scalar = double; int _Rows = -1; int _Cols = -1; int _Options = 0; int _MaxRows
= -1; int _MaxCols = -1]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/to_matrix.hpp:119:18:
required from 'Eigen::Matrix<LhsScalar, -1, -1, 0> stan::math::to_matrix(const
std::vector<T>&, int, int) [with T = double]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/util/read_dense_inv_metric.hpp:38:34:
required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
```

```
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                  ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, -1, -1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen::internal
::scalar_sum_op<double, double>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> >, const Eigen::Matrix<double, -1, -1> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> >, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_identity_op<double>,
Eigen::Matrix<double, -1, -1> > > > >, Eigen::internal::assign_op<double,
double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<double, -1, -1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen::in
```

```
ternal::scalar_sum_op<double, double>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> >, const Eigen::Matrix<double, -1, -1> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> >, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_identity_op<double>,
Eigen::Matrix<double, -1, -1> > > > >, Eigen::internal::assign_op<double,
double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<double, -1, -1>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<double, double>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> >, const Eigen::Matrix<double, -1, -1> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> >, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_identity_op<double>,
Eigen::Matrix<double, -1, -1> > > >; Functor =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<double, -1, -1>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<double, double>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> >, const Eigen::Matrix<double, -1, -1> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> >, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_identity_op<double>,
Eigen::Matrix<double, -1, -1> > > >; Functor =
Eigen::internal::assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, -1>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<double, double>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> >, const Eigen::Matrix<double, -1, -1> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
```

```
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> >, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_identity_op<double>,
Eigen::Matrix<double, -1, -1> > > >; Func = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Matrix<double, -1, -1>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<double, double>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> >, const Eigen::Matrix<double, -1, -1> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> >, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_identity_op<double>,
Eigen::Matrix<double, -1, -1> > > >; Func = Eigen::internal::assign_op<double,
double>; typename Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&) [with Dst =
Eigen::Matrix<double, -1, -1>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<double, double>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> >, const Eigen::Matrix<double, -1, -1> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> >, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_identity_op<double>,
Eigen::Matrix<double, -1, -1> > > >]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:710:32:   required from 'Derived&
Eigen::PlainObjectBase<Derived>::_set(const Eigen::DenseBase<OtherDerived>&)
[with OtherDerived = Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<double,
double>, const Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double,
double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> >, const Eigen::Matrix<double, -1, -1> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> >, const
```

```
Eigen::CwiseNullaryOp<Eigen::internal::scalar_identity_op<double>,
Eigen::Matrix<double, -1, -1> > > >; Derived = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:225:24:    required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows, _MaxCols>&
Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::operator=(const Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<double, double>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> >, const Eigen::Matrix<double, -1, -1> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> >, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_identity_op<double>,
Eigen::Matrix<double, -1, -1> > > >; _Scalar = double; int _Rows = -1; int _Cols
= -1; int _Options = 0; int _MaxRows = -1; int _MaxCols = -1]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/mcmc/covar_adaptation.hpp:29:67:    required from
here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
```

packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 | MaySliceVectorize = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      | ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, -1, 1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen::internal:
:scalar_sum_op<double, double>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Matrix<double, -1, 1> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> > > > >, Eigen::internal::assign_op<double, double>
>':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei

gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<double, -1, 1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen::int
ernal::scalar_sum_op<double, double>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Matrix<double, -1, 1> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> > > > >, Eigen::internal::assign_op<double,
double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<double, double>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Matrix<double, -1, 1> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> > > >; Functor = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<double, double>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Matrix<double, -1, 1> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> > > >; Functor = Eigen::internal::assign_op<double,
double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, 1>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<double, double>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const

```
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Matrix<double, -1, 1> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> > > >; Func = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Matrix<double, -1, 1>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<double, double>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Matrix<double, -1, 1> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> > > >; Func = Eigen::internal::assign_op<double,
double>; typename Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&) [with Dst =
Eigen::Matrix<double, -1, 1>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<double, double>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Matrix<double, -1, 1> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> > > >]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:710:32:   required from 'Derived&
Eigen::PlainObjectBase<Derived>::_set(const Eigen::DenseBase<OtherDerived>&)
[with OtherDerived = Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<double,
double>, const Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double,
double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Matrix<double, -1, 1> >, const
```

```
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> > > >; Derived = Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:225:24:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows, _MaxCols>&
Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::operator=(const Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<double, double>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Matrix<double, -1, 1> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> > > >; _Scalar = double; int _Rows = -1; int _Cols
= 1; int _Options = 0; int _MaxRows = -1; int _MaxCols = 1]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/mcmc/var_adaptation.hpp:28:78:   required from
here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
```

```
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                 ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, -1, -1, 1, -1, -1> >, Eigen::internal::evaluator<Eigen::Matrix<double, -1,
-1, 1, -1, -1> >, Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<double, -1, -1, 1, -1, -1> >,
Eigen::internal::evaluator<Eigen::Matrix<double, -1, -1, 1, -1, -1> >,
Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
```

gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<double, -1, -1, 1, -1, -1>;
SrcXprType = Eigen::Matrix<double, -1, -1, 1, -1, -1>; Functor =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<double, -1, -1, 1, -1, -1>;
SrcXprType = Eigen::Matrix<double, -1, -1, 1, -1, -1>; Functor =
Eigen::internal::assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, -1, 1, -1, -1>; Src = Eigen::Matrix<double, -1,
-1, 1, -1, -1>; Func = Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:728:41:   required from 'Derived&
Eigen::PlainObjectBase<Derived>::_set_noalias(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived = Eigen::Matrix<double, -1,
-1, 1, -1, -1>; Derived = Eigen::Matrix<double, -1, -1, 1, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:278:27:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::Matrix(Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>&&) [with _Scalar = double; int _Rows = -1; int _Cols = -1; int
_Options = 1; int _MaxRows = -1; int _MaxCols = -1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/DenseBase.h:406:62:   required from
'Eigen::DenseBase<Derived>::EvalReturnType Eigen::DenseBase<Derived>::eval()
const [with Derived = Eigen::Transpose<Eigen::Block<Eigen::Matrix<double, -1,
-1>, -1, -1, false> >; Eigen::DenseBase<Derived>::EvalReturnType = const
Eigen::Matrix<double, -1, -1, 1, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Transpose.h:258:29:   required from 'static void
Eigen::internal::inplace_transpose_selector<MatrixType, false,
MatchPacketSize>::run(MatrixType&) [with MatrixType =
Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>; bool MatchPacketSize
= false]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Transpose.h:288:53:   required from 'void
Eigen::DenseBase<Derived>::transposeInPlace() [with Derived =
Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/rev/mat/fun/cholesky_decompose.hpp:73:23:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in

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boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                   ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
```

packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Block<Eig
en::Matrix<double, -1, -1>, -1, -1, false> >,
Eigen::internal::evaluator<Eigen::Matrix<double, -1, -1, 1, -1, -1> >,
Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Blo
ck<Eigen::Matrix<double, -1, -1>, -1, -1, false> >,
Eigen::internal::evaluator<Eigen::Matrix<double, -1, -1, 1, -1, -1> >,
Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Block<Eigen::Matrix<double, -1, -1>,
-1, -1, false>; SrcXprType = Eigen::Matrix<double, -1, -1, 1, -1, -1>; Functor =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1,
false>; SrcXprType = Eigen::Matrix<double, -1, -1, 1, -1, -1>; Functor =
Eigen::internal::assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>; Src =
Eigen::Matrix<double, -1, -1, 1, -1, -1>; Func =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>; Src =

```
Eigen::Matrix<double, -1, -1, 1, -1, -1>; Func =
Eigen::internal::assign_op<double, double>; typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&) [with Dst =
Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>; Src =
Eigen::Matrix<double, -1, -1, 1, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Assign.h:66:28:   required from 'Derived&
Eigen::MatrixBase<Derived>::operator=(const Eigen::DenseBase<OtherDerived>&)
[with OtherDerived = Eigen::Matrix<double, -1, -1, 1, -1, -1>; Derived =
Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Transpose.h:258:9:   required from 'static void
Eigen::internal::inplace_transpose_selector<MatrixType, false,
MatchPacketSize>::run(MatrixType&) [with MatrixType =
Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>; bool MatchPacketSize
= false]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Transpose.h:288:53:   required from 'void
Eigen::DenseBase<Derived>::transposeInPlace() [with Derived =
Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/rev/mat/fun/cholesky_decompose.hpp:73:23:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
```

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packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Block<Eig
en::Matrix<double, -1, -1>, -1, -1, false> >,
Eigen::internal::evaluator<Eigen::Product<Eigen::Block<Eigen::Matrix<double, -1,
-1>, -1, -1, false>, Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>,
1> >, Eigen::internal::sub_assign_op<double, double> >':
```

/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Blo
ck<Eigen::Matrix<double, -1, -1>, -1, -1, false> >,
Eigen::internal::evaluator<Eigen::Product<Eigen::Block<Eigen::Matrix<double, -1,
-1>, -1, -1, false>, Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>,
1> >, Eigen::internal::sub_assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Block<Eigen::Matrix<double, -1, -1>,
-1, -1, false>; SrcXprType = Eigen::Product<Eigen::Block<Eigen::Matrix<double,
-1, -1>, -1, -1, false>, Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1,
false>, 1>; Functor = Eigen::internal::sub_assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1,
false>; SrcXprType = Eigen::Product<Eigen::Block<Eigen::Matrix<double, -1, -1>,
-1, -1, false>, Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, 1>;
Functor = Eigen::internal::sub_assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>; Src =
Eigen::Product<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>,
Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, 1>; Func =
Eigen::internal::sub_assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/ProductEvaluators.h:405:29:   required from 'static
void Eigen::internal::generic_product_impl<Lhs, Rhs, Eigen::DenseShape,
Eigen::DenseShape, 3>::subTo(Dst&, const Lhs&, const Rhs&) [with Dst =
Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>; Lhs =
Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>; Rhs =
Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/products/GeneralMatrixMatrix.h:452:25:   required from
'static void Eigen::internal::generic_product_impl<Lhs, Rhs, Eigen::DenseShape,
Eigen::DenseShape, 8>::subTo(Dst&, const Lhs&, const Rhs&) [with Dst =
Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>; Lhs =
Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>; Rhs =
Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/ProductEvaluators.h:178:42:   required from 'static
void Eigen::internal::Assignment<DstXprType, Eigen::Product<Lhs, Rhs, Options>,
Eigen::internal::sub_assign_op<Scalar, Scalar>, Eigen::internal::Dense2Dense,
typename Eigen::internal::enable_if<((Options == Eigen::DefaultProduct) ||

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```
(Options == Eigen::AliasFreeProduct))>::type>::run(DstXprType&, const
SrcXprType&, const Eigen::internal::sub_assign_op<Scalar, Scalar>&) [with
DstXprType = Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>; Lhs =
Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>; Rhs =
Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>; int Options = 0;
Scalar = double; Eigen::internal::Assignment<DstXprType, Eigen::Product<Lhs,
Rhs, Options>, Eigen::internal::sub_assign_op<Scalar, Scalar>,
Eigen::internal::Dense2Dense, typename Eigen::internal::enable_if<((Options ==
Eigen::DefaultProduct) || (Options ==
Eigen::AliasFreeProduct))>::type>::SrcXprType =
Eigen::Product<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>,
Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, 0>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>; Src =
Eigen::Product<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>,
Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, 0>; Func =
Eigen::internal::sub_assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/NoAlias.h:58:31:   required from 'ExpressionType&
Eigen::NoAlias<ExpressionType, StorageBase>::operator-=(const
StorageBase<OtherDerived>&) [with OtherDerived =
Eigen::Product<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>,
Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, 0>; ExpressionType =
Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>; StorageBase =
Eigen::MatrixBase]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/rev/mat/fun/cholesky_decompose.hpp:122:34:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
```

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               from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
               from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
               from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
               from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
               from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
               from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
               from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
               from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
               from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
               from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
               from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
               from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
               from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
               from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
               from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
               from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
               from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Block<Eig
en::Matrix<double, -1, -1>, -1, -1, false> >, Eigen::internal::evaluator<Eigen::
Product<Eigen::Transpose<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1,
false> >, Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, 1> >,
```

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Eigen::internal::sub_assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Blo
ck<Eigen::Matrix<double, -1, -1>, -1, -1, false> >, Eigen::internal::evaluator<E
igen::Product<Eigen::Transpose<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1,
-1, false> >, Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, 1> >,
Eigen::internal::sub_assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Block<Eigen::Matrix<double, -1, -1>,
-1, -1, false>; SrcXprType =
Eigen::Product<Eigen::Transpose<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1,
-1, false> >, Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, 1>;
Functor = Eigen::internal::sub_assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1,
false>; SrcXprType =
Eigen::Product<Eigen::Transpose<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1,
-1, false> >, Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, 1>;
Functor = Eigen::internal::sub_assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>; Src =
Eigen::Product<Eigen::Transpose<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1,
-1, false> >, Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, 1>;
Func = Eigen::internal::sub_assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/ProductEvaluators.h:405:29:   required from 'static
void Eigen::internal::generic_product_impl<Lhs, Rhs, Eigen::DenseShape,
Eigen::DenseShape, 3>::subTo(Dst&, const Lhs&, const Rhs&) [with Dst =
Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>; Lhs =
Eigen::Transpose<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false> >;
Rhs = Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/products/GeneralMatrixMatrix.h:452:25:   required from
'static void Eigen::internal::generic_product_impl<Lhs, Rhs, Eigen::DenseShape,
Eigen::DenseShape, 8>::subTo(Dst&, const Lhs&, const Rhs&) [with Dst =
Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>; Lhs =
Eigen::Transpose<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false> >;
Rhs = Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/ProductEvaluators.h:178:42:   required from 'static
```

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```
void Eigen::internal::Assignment<DstXprType, Eigen::Product<Lhs, Rhs, Options>,
Eigen::internal::sub_assign_op<Scalar, Scalar>, Eigen::internal::Dense2Dense,
typename Eigen::internal::enable_if<((Options == Eigen::DefaultProduct) ||
(Options == Eigen::AliasFreeProduct))>::type>::run(DstXprType&, const
SrcXprType&, const Eigen::internal::sub_assign_op<Scalar, Scalar>&) [with
DstXprType = Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>; Lhs =
Eigen::Transpose<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false> >;
Rhs = Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>; int Options =
0; Scalar = double; Eigen::internal::Assignment<DstXprType, Eigen::Product<Lhs,
Rhs, Options>, Eigen::internal::sub_assign_op<Scalar, Scalar>,
Eigen::internal::Dense2Dense, typename Eigen::internal::enable_if<((Options ==
Eigen::DefaultProduct) || (Options ==
Eigen::AliasFreeProduct))>::type>::SrcXprType =
Eigen::Product<Eigen::Transpose<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1,
-1, false> >, Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, 0>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>; Src =
Eigen::Product<Eigen::Transpose<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1,
-1, false> >, Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, 0>;
Func = Eigen::internal::sub_assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/NoAlias.h:58:31:   required from 'ExpressionType&
Eigen::NoAlias<ExpressionType, StorageBase>::operator-=(const
StorageBase<OtherDerived>&) [with OtherDerived =
Eigen::Product<Eigen::Transpose<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1,
-1, false> >, Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, 0>;
ExpressionType = Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>;
StorageBase = Eigen::MatrixBase]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/rev/mat/fun/cholesky_decompose.hpp:123:46:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |    MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
```

```
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                  ^~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Ref<Eigen
```

::Matrix<double, -1, -1> > >, Eigen::internal::evaluator<Eigen::Matrix<double,
-1, -1> >, Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Ref
<Eigen::Matrix<double, -1, -1> > >,
Eigen::internal::evaluator<Eigen::Matrix<double, -1, -1> >,
Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Ref<Eigen::Matrix<double, -1, -1> >;
SrcXprType = Eigen::Matrix<double, -1, -1>; Functor =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Ref<Eigen::Matrix<double, -1, -1> >;
SrcXprType = Eigen::Matrix<double, -1, -1>; Functor =
Eigen::internal::assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Ref<Eigen::Matrix<double, -1, -1> >; Src = Eigen::Matrix<double,
-1, -1>; Func = Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Ref<Eigen::Matrix<double, -1, -1> >; Src = Eigen::Matrix<double, -1,
-1>; Func = Eigen::internal::assign_op<double, double>; typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&) [with Dst =
Eigen::Ref<Eigen::Matrix<double, -1, -1> >; Src = Eigen::Matrix<double, -1,
-1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Assign.h:66:28:   required from 'Derived&
Eigen::MatrixBase<Derived>::operator=(const Eigen::DenseBase<OtherDerived>&)
[with OtherDerived = Eigen::Matrix<double, -1, -1>; Derived =
Eigen::Ref<Eigen::Matrix<double, -1, -1> >]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei

```
gen_3.3.3/Eigen/src/Cholesky/LLT.h:428:12:   required from
'Eigen::LLT<MatrixType, _UpLo>& Eigen::LLT<MatrixType, UpLo>::compute(const
Eigen::EigenBase<OtherDerived>&) [with InputType = Eigen::Matrix<double, -1,
-1>; _MatrixType = Eigen::Ref<Eigen::Matrix<double, -1, -1> >; int _UpLo = 1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LLT.h:111:14:   required from
'Eigen::LLT<MatrixType, UpLo>::LLT(Eigen::EigenBase<OtherDerived>&) [with
InputType = Eigen::Matrix<double, -1, -1>; _MatrixType =
Eigen::Ref<Eigen::Matrix<double, -1, -1> >; int _UpLo = 1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/rev/mat/fun/cholesky_decompose.hpp:244:69:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~~
```

```
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<st
an::math::var, -1, -1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen:
:internal::scalar_quotient_op<stan::math::var, stan::math::var>, const
Eigen::Matrix<stan::math::var, -1, -1>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> > > >,
Eigen::internal::assign_op<stan::math::var, stan::math::var> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<stan::math::var, -1, -1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<
Eigen::internal::scalar_quotient_op<stan::math::var, stan::math::var>, const
Eigen::Matrix<stan::math::var, -1, -1>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> > > >,
Eigen::internal::assign_op<stan::math::var, stan::math::var>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<stan::math::var, -1, -1>;
SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_quotient_op<stan::math::var,
```

stan::math::var>, const Eigen::Matrix<stan::math::var, -1, -1>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> > >; Functor =
Eigen::internal::assign_op<stan::math::var, stan::math::var>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<stan::math::var, -1, -1>; SrcXprType
= Eigen::CwiseBinaryOp<Eigen::internal::scalar_quotient_op<stan::math::var,
stan::math::var>, const Eigen::Matrix<stan::math::var, -1, -1>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> > >; Functor =
Eigen::internal::assign_op<stan::math::var, stan::math::var>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<stan::math::var, -1, -1>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_quotient_op<stan::math::var,
stan::math::var>, const Eigen::Matrix<stan::math::var, -1, -1>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> > >; Func =
Eigen::internal::assign_op<stan::math::var, stan::math::var>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:728:41:   required from 'Derived&
Eigen::PlainObjectBase<Derived>::_set_noalias(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_quotient_op<stan::math::var,
stan::math::var>, const Eigen::Matrix<stan::math::var, -1, -1>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> > >; Derived =
Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:537:19:   required from
'Eigen::PlainObjectBase<Derived>::PlainObjectBase(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_quotient_op<stan::math::var,
stan::math::var>, const Eigen::Matrix<stan::math::var, -1, -1>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> > >; Derived =
Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:379:29:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::Matrix(const Eigen::EigenBase<OtherDerived>&) [with OtherDerived =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_quotient_op<stan::math::var,
stan::math::var>, const Eigen::Matrix<stan::math::var, -1, -1>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,

```
const Eigen::Matrix<stan::math::var, -1, -1> > >; _Scalar = stan::math::var; int
_Rows = -1; int _Cols = -1; int _Options = 0; int _MaxRows = -1; int _MaxCols =
-1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/fun/matrix_exp_2x2.hpp:39:14:   required from 'Mtype
stan::math::matrix_exp_2x2(const Mtype&) [with Mtype =
Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/matrix_exp.hpp:29:30:
required from 'Eigen::Matrix<LhsScalar, -1, -1, 0> stan::math::matrix_exp(const
Eigen::Matrix<LhsScalar, -1, -1, 0>&) [with T = stan::math::var]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/rev/mat/fun/matrix_exp_multiply.hpp:71:21:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
```

```
bool(DstHasDirectAccess)
     |                                        ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<st
an::math::var, -1, -1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen:
:internal::scalar_sum_op<stan::math::var, stan::math::var>, const
Eigen::Matrix<stan::math::var, -1, -1>, const Eigen::Matrix<stan::math::var, -1,
-1> > >, Eigen::internal::assign_op<stan::math::var, stan::math::var> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<stan::math::var, -1, -1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<
Eigen::internal::scalar_sum_op<stan::math::var, stan::math::var>, const
Eigen::Matrix<stan::math::var, -1, -1>, const Eigen::Matrix<stan::math::var, -1,
-1> > >, Eigen::internal::assign_op<stan::math::var, stan::math::var>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<stan::math::var, -1, -1>;
SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const Eigen::Matrix<stan::math::var, -1, -1>, const
Eigen::Matrix<stan::math::var, -1, -1> >; Functor =
```

```
Eigen::internal::assign_op<stan::math::var, stan::math::var>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<stan::math::var, -1, -1>; SrcXprType
= Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const Eigen::Matrix<stan::math::var, -1, -1>, const
Eigen::Matrix<stan::math::var, -1, -1> >; Functor =
Eigen::internal::assign_op<stan::math::var, stan::math::var>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<stan::math::var, -1, -1>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const Eigen::Matrix<stan::math::var, -1, -1>, const
Eigen::Matrix<stan::math::var, -1, -1> >; Func =
Eigen::internal::assign_op<stan::math::var, stan::math::var>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:728:41:   required from 'Derived&
Eigen::PlainObjectBase<Derived>::_set_noalias(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const Eigen::Matrix<stan::math::var, -1, -1>, const
Eigen::Matrix<stan::math::var, -1, -1> >; Derived =
Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:537:19:   required from
'Eigen::PlainObjectBase<Derived>::PlainObjectBase(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const Eigen::Matrix<stan::math::var, -1, -1>, const
Eigen::Matrix<stan::math::var, -1, -1> >; Derived =
Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:379:29:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::Matrix(const Eigen::EigenBase<OtherDerived>&) [with OtherDerived =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const Eigen::Matrix<stan::math::var, -1, -1>, const
Eigen::Matrix<stan::math::var, -1, -1> >; _Scalar = stan::math::var; int _Rows =
-1; int _Cols = -1; int _Options = 0; int _MaxRows = -1; int _MaxCols = -1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/fun/matrix_exp_pade.hpp:26:14:   required from 'MatrixType
stan::math::matrix_exp_pade(const MatrixType&) [with MatrixType =
Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/matrix_exp.hpp:30:31:
```

```
required from 'Eigen::Matrix<LhsScalar, -1, -1, 0> stan::math::matrix_exp(const
Eigen::Matrix<LhsScalar, -1, -1, 0>&) [with T = stan::math::var]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/rev/mat/fun/matrix_exp_multiply.hpp:71:21:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
```

```
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<st
an::math::var, -1, -1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen:
:internal::scalar_sum_op<stan::math::var, stan::math::var>, const
Eigen::CwiseUnaryOp<Eigen::internal::scalar_opposite_op<stan::math::var>, const
Eigen::Matrix<stan::math::var, -1, -1> >, const Eigen::Matrix<stan::math::var,
-1, -1> > >, Eigen::internal::assign_op<stan::math::var, stan::math::var> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<stan::math::var, -1, -1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<
Eigen::internal::scalar_sum_op<stan::math::var, stan::math::var>, const
Eigen::CwiseUnaryOp<Eigen::internal::scalar_opposite_op<stan::math::var>, const
Eigen::Matrix<stan::math::var, -1, -1> >, const Eigen::Matrix<stan::math::var,
-1, -1> > >, Eigen::internal::assign_op<stan::math::var, stan::math::var>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<stan::math::var, -1, -1>;
SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseUnaryOp<Eigen::internal::scalar_opposite_op<stan::math::var>, const
Eigen::Matrix<stan::math::var, -1, -1> >, const Eigen::Matrix<stan::math::var,
-1, -1> >; Functor = Eigen::internal::assign_op<stan::math::var,
stan::math::var>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
```

```
Functor&) [with DstXprType = Eigen::Matrix<stan::math::var, -1, -1>; SrcXprType
= Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseUnaryOp<Eigen::internal::scalar_opposite_op<stan::math::var>, const
Eigen::Matrix<stan::math::var, -1, -1> >, const Eigen::Matrix<stan::math::var,
-1, -1> >; Functor = Eigen::internal::assign_op<stan::math::var,
stan::math::var>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<stan::math::var, -1, -1>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseUnaryOp<Eigen::internal::scalar_opposite_op<stan::math::var>, const
Eigen::Matrix<stan::math::var, -1, -1> >, const Eigen::Matrix<stan::math::var,
-1, -1> >; Func = Eigen::internal::assign_op<stan::math::var, stan::math::var>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:728:41:   required from 'Derived&
Eigen::PlainObjectBase<Derived>::_set_noalias(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseUnaryOp<Eigen::internal::scalar_opposite_op<stan::math::var>, const
Eigen::Matrix<stan::math::var, -1, -1> >, const Eigen::Matrix<stan::math::var,
-1, -1> >; Derived = Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:537:19:   required from
'Eigen::PlainObjectBase<Derived>::PlainObjectBase(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseUnaryOp<Eigen::internal::scalar_opposite_op<stan::math::var>, const
Eigen::Matrix<stan::math::var, -1, -1> >, const Eigen::Matrix<stan::math::var,
-1, -1> >; Derived = Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:379:29:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::Matrix(const Eigen::EigenBase<OtherDerived>&) [with OtherDerived =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseUnaryOp<Eigen::internal::scalar_opposite_op<stan::math::var>, const
Eigen::Matrix<stan::math::var, -1, -1> >, const Eigen::Matrix<stan::math::var,
-1, -1> >; _Scalar = stan::math::var; int _Rows = -1; int _Cols = -1; int
_Options = 0; int _MaxRows = -1; int _MaxCols = -1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/fun/matrix_exp_pade.hpp:27:14:   required from 'MatrixType
stan::math::matrix_exp_pade(const MatrixType&) [with MatrixType =
Eigen::Matrix<stan::math::var, -1, -1>]'
```

```
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/matrix_exp.hpp:30:31:
required from 'Eigen::Matrix<LhsScalar, -1, -1, 0> stan::math::matrix_exp(const
Eigen::Matrix<LhsScalar, -1, -1, 0>&) [with T = stan::math::var]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/rev/mat/fun/matrix_exp_multiply.hpp:71:21:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
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      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
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packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Block<Eig
en::Matrix<double, -1, -1>, -1, 1, true> >,
Eigen::internal::evaluator<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1,
true> >, Eigen::internal::swap_assign_op<double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Blo
ck<Eigen::Matrix<double, -1, -1>, -1, 1, true> >,
Eigen::internal::evaluator<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1,
true> >, Eigen::internal::swap_assign_op<double>, 1>'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/Swap.h:19:7:
required from 'class Eigen::internal::generic_dense_assignment_kernel<Eigen::int
ernal::evaluator<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1, true> >,
Eigen::internal::evaluator<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1,
true> >, Eigen::internal::swap_assign_op<double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Block<Eigen::Matrix<double, -1, -1>,
-1, 1, true>; SrcXprType = Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1,
true>; Functor = Eigen::internal::swap_assign_op<double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1,

true>; SrcXprType = Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1, true>;
Functor = Eigen::internal::swap_assign_op<double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1, true>; Src =
Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1, true>; Func =
Eigen::internal::swap_assign_op<double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1, true>; Src =
Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1, true>; Func =
Eigen::internal::swap_assign_op<double>; typename Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/DenseBase.h:418:22:   required from 'void
Eigen::DenseBase<Derived>::swap(const Eigen::DenseBase<OtherDerived>&) [with
OtherDerived = Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1, true>; Derived
= Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1, true>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:540:28:   required from
'Eigen::ComputationInfo Eigen::internal::computeFromTridiagonal_impl(DiagType&,
SubDiagType&, Eigen::Index, bool, MatrixType&) [with MatrixType =
Eigen::Matrix<double, -1, -1>; DiagType = Eigen::Matrix<double, -1, 1>;
SubDiagType = Eigen::Matrix<double, -1, 1>; Eigen::Index = long int]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:439:49:   required from
'Eigen::SelfAdjointEigenSolver<MatrixType>&
Eigen::SelfAdjointEigenSolver<_MatrixType>::compute(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:168:14:   required from
'Eigen::SelfAdjointEigenSolver<_MatrixType>::SelfAdjointEigenSolver(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/newton.hpp:21:55:   required from
here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 | MayLinearVectorize = bool(MightVectorize) && MayLinearize &&

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DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                   ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
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packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, -1, 1> >, Eigen::internal::evaluator<Eigen::CwiseUnaryOp<Eigen::internal::
scalar_opposite_op<double>, const Eigen::Matrix<double, -1, 1> > >,
Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<double, -1, 1> >, Eigen::internal::evaluator<Eigen::CwiseUnaryOp<Eigen::inte
rnal::scalar_opposite_op<double>, const Eigen::Matrix<double, -1, 1> > >,
Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::CwiseUnaryOp<Eigen::internal::scalar_opposite_op<double>, const
Eigen::Matrix<double, -1, 1> >; Functor = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::CwiseUnaryOp<Eigen::internal::scalar_opposite_op<double>, const
Eigen::Matrix<double, -1, 1> >; Functor = Eigen::internal::assign_op<double,
double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, 1>; Src =
Eigen::CwiseUnaryOp<Eigen::internal::scalar_opposite_op<double>, const
Eigen::Matrix<double, -1, 1> >; Func = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/NoAlias.h:42:31:   required from 'ExpressionType&
Eigen::NoAlias<ExpressionType, StorageBase>::operator=(const
StorageBase<OtherDerived>&) [with OtherDerived =
Eigen::CwiseUnaryOp<Eigen::internal::scalar_opposite_op<double>, const

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Eigen::Matrix<double, -1, 1> >; ExpressionType = Eigen::Matrix<double, -1, 1>;
StorageBase = Eigen::MatrixBase]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/bfgs.hpp:181:27:   required from 'int
stan::optimization::BFGSMinimizer<FunctorType, QNUpdateType, Scalar,
DimAtCompile>::step() [with FunctorType = stan::optimization::ModelAdaptor<anon_
model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3d
ae7fd542ccee9>; QNUpdateType = stan::optimization::BFGSUpdate_HInv<>; Scalar =
double; int DimAtCompile = -1]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/optimize/bfgs.hpp:121:26:   required from
'int stan::services::optimize::bfgs(Model&, stan::io::var_context&, unsigned
int, unsigned int, double, double, double, double, double, double, double, int,
bool, int, stan::callbacks::interrupt&, stan::callbacks::logger&,
stan::callbacks::writer&, stan::callbacks::writer&) [with Model = anon_model_648
0e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7fd542c
cee9]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:886:45:
required from 'int pystan::{anonymous}::command(pystan::StanArgs&, Model&,
pystan::StanHolder&, const std::vector<long unsigned int>&, const
std::vector<std::__cxx11::basic_string<char> >&, RNG_t&) [with Model = anon_mode
l_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7f
d542ccee9; RNG_t = boost::random::additive_combine_engine<boost::random::linear_
congruential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:1536:22:
required from 'int pystan::stan_fit<Model,
RNG_t>::call_sampler(pystan::StanArgs&, pystan::StanHolder&) [with Model = anon_
model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3d
ae7fd542ccee9; RNG_t = boost::random::additive_combine_engine<boost::random::lin
ear_congruential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7fd542ccee9_53816003179
20641068.cpp:16014:45:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
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In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
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packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                   ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
```

```
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, -1, -1, 1, -1, -1> >,
Eigen::internal::evaluator<Eigen::Transpose<Eigen::Block<Eigen::Matrix<double,
-1, -1>, -1, -1, false> > >, Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<double, -1, -1, 1, -1, -1> >,
Eigen::internal::evaluator<Eigen::Transpose<Eigen::Block<Eigen::Matrix<double,
-1, -1>, -1, -1, false> > >, Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<double, -1, -1, 1, -1, -1>;
SrcXprType = Eigen::Transpose<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1,
-1, false> >; Functor = Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<double, -1, -1, 1, -1, -1>;
SrcXprType = Eigen::Transpose<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1,
-1, false> >; Functor = Eigen::internal::assign_op<double, double>; Weak =
void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, -1, 1, -1, -1>; Src =
Eigen::Transpose<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false> >;
Func = Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:728:41:   required from 'Derived&
Eigen::PlainObjectBase<Derived>::_set_noalias(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::Transpose<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false> >;
Derived = Eigen::Matrix<double, -1, -1, 1, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:812:25:   required from 'void
Eigen::PlainObjectBase<Derived>::_init1(const Eigen::DenseBase<ElseDerived>&)
[with T = Eigen::Transpose<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1,
false> >; OtherDerived = Eigen::Transpose<Eigen::Block<Eigen::Matrix<double, -1,
-1>, -1, -1, false> >; Derived = Eigen::Matrix<double, -1, -1, 1, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:296:31:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
```

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_MaxCols>::Matrix(const T&) [with T =
Eigen::Transpose<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false> >;
_Scalar = double; int _Rows = -1; int _Cols = -1; int _Options = 1; int _MaxRows
= -1; int _MaxCols = -1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/DenseBase.h:406:48:   required from
'Eigen::DenseBase<Derived>::EvalReturnType Eigen::DenseBase<Derived>::eval()
const [with Derived = Eigen::Transpose<Eigen::Block<Eigen::Matrix<double, -1,
-1>, -1, -1, false> >; Eigen::DenseBase<Derived>::EvalReturnType = const
Eigen::Matrix<double, -1, -1, 1, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Transpose.h:258:29:   required from 'static void
Eigen::internal::inplace_transpose_selector<MatrixType, false,
MatchPacketSize>::run(MatrixType&) [with MatrixType =
Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>; bool MatchPacketSize
= false]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Transpose.h:288:53:   required from 'void
Eigen::DenseBase<Derived>::transposeInPlace() [with Derived =
Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/rev/mat/fun/cholesky_decompose.hpp:73:23:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
```

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packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                 ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Transpose
<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false> > >,
Eigen::internal::evaluator<Eigen::Transpose<Eigen::Block<Eigen::Matrix<double,
-1, -1>, -1, -1, false> > >, Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Tra
nspose<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false> > >,
Eigen::internal::evaluator<Eigen::Transpose<Eigen::Block<Eigen::Matrix<double,
-1, -1>, -1, -1, false> > >, Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
```

gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType =
Eigen::Transpose<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false> >;
SrcXprType = Eigen::Transpose<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1,
-1, false> >; Functor = Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Transpose<Eigen::Block<Eigen::Matrix<double,
-1, -1>, -1, -1, false> >; SrcXprType =
Eigen::Transpose<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false> >;
Functor = Eigen::internal::assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Transpose<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1,
false> >; Src = Eigen::Transpose<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1,
-1, false> >; Func = Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Transpose<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false> >;
Src = Eigen::Transpose<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1,
false> >; Func = Eigen::internal::assign_op<double, double>; typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&) [with Dst =
Eigen::Transpose<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false> >;
Src = Eigen::Transpose<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1,
false> >]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Assign.h:57:28:   required from 'Derived&
Eigen::MatrixBase<Derived>::operator=(const Eigen::MatrixBase<Derived>&) [with
Derived = Eigen::Transpose<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1,
false> >]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Transpose.h:66:5:   required from
'Eigen::Transpose<MatrixType>& Eigen::Transpose<MatrixType>::operator=(const
Eigen::Transpose<MatrixType>&) [with MatrixType =
Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>]'

/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/SolveTriangular.h:182:11:   required from 'void
Eigen::TriangularViewImpl<_MatrixType, _Mode, Eigen::Dense>::solveInPlace(const
Eigen::MatrixBase<OtherDerived>&) const [with int Side = 1; OtherDerived =
Eigen::Transpose<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false> >;
_MatrixType = Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>;
unsigned int _Mode = 2]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/TriangularMatrix.h:511:37:   required from 'void
Eigen::TriangularViewImpl<_MatrixType, _Mode, Eigen::Dense>::solveInPlace(const
Eigen::MatrixBase<OtherDerived>&) const [with OtherDerived =
Eigen::Transpose<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false> >;
_MatrixType = Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>;
unsigned int _Mode = 2]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/rev/mat/fun/cholesky_decompose.hpp:78:43:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 | MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~^~~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei

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gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                 ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<st
an::math::var, -1, -1> >, Eigen::internal::evaluator<Eigen::CwiseUnaryOp<Eigen::
MatrixExponentialScalingOp<stan::math::var>, const
Eigen::Matrix<stan::math::var, -1, -1> > >,
Eigen::internal::assign_op<stan::math::var, stan::math::var> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<stan::math::var, -1, -1> >, Eigen::internal::evaluator<Eigen::CwiseUnaryOp<E
igen::MatrixExponentialScalingOp<stan::math::var>, const
Eigen::Matrix<stan::math::var, -1, -1> > >,
Eigen::internal::assign_op<stan::math::var, stan::math::var>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<stan::math::var, -1, -1>;
SrcXprType =
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Eigen::CwiseUnaryOp<Eigen::MatrixExponentialScalingOp<stan::math::var>, const
Eigen::Matrix<stan::math::var, -1, -1> >; Functor =
Eigen::internal::assign_op<stan::math::var, stan::math::var>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<stan::math::var, -1, -1>; SrcXprType
= Eigen::CwiseUnaryOp<Eigen::MatrixExponentialScalingOp<stan::math::var>, const
Eigen::Matrix<stan::math::var, -1, -1> >; Functor =
Eigen::internal::assign_op<stan::math::var, stan::math::var>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<stan::math::var, -1, -1>; Src =
Eigen::CwiseUnaryOp<Eigen::MatrixExponentialScalingOp<stan::math::var>, const
Eigen::Matrix<stan::math::var, -1, -1> >; Func =
Eigen::internal::assign_op<stan::math::var, stan::math::var>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:728:41:   required from 'Derived&
Eigen::PlainObjectBase<Derived>::_set_noalias(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::CwiseUnaryOp<Eigen::MatrixExponentialScalingOp<stan::math::var>, const
Eigen::Matrix<stan::math::var, -1, -1> >; Derived =
Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:537:19:   required from
'Eigen::PlainObjectBase<Derived>::PlainObjectBase(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::CwiseUnaryOp<Eigen::MatrixExponentialScalingOp<stan::math::var>, const
Eigen::Matrix<stan::math::var, -1, -1> >; Derived =
Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:379:29:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::Matrix(const Eigen::EigenBase<OtherDerived>&) [with OtherDerived =
Eigen::CwiseUnaryOp<Eigen::MatrixExponentialScalingOp<stan::math::var>, const
Eigen::Matrix<stan::math::var, -1, -1> >; _Scalar = stan::math::var; int _Rows =
-1; int _Cols = -1; int _Options = 0; int _MaxRows = -1; int _MaxCols = -1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/fun/MatrixExponential.h:201:18:   required from 'static void
Eigen::matrix_exp_computeUV<MatrixType>::run(const MatrixType&, MatrixType&,
MatrixType&, int&, T) [with T = stan::math::var; MatrixType =
Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/fun/matrix_exp_pade.hpp:23:47:   required from 'MatrixType
stan::math::matrix_exp_pade(const MatrixType&) [with MatrixType =
Eigen::Matrix<stan::math::var, -1, -1>]'
```

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/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/matrix_exp.hpp:30:31:
required from 'Eigen::Matrix<LhsScalar, -1, -1, 0> stan::math::matrix_exp(const
Eigen::Matrix<LhsScalar, -1, -1, 0>&) [with T = stan::math::var]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/rev/mat/fun/matrix_exp_multiply.hpp:71:21:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
```

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packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<st
an::math::var, -1, -1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen:
:internal::scalar_sum_op<stan::math::var, stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_identity_op<stan::math::var>,
```

```
Eigen::Matrix<stan::math::var, -1, -1> > > > >,
Eigen::internal::add_assign_op<stan::math::var, stan::math::var> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<stan::math::var, -1, -1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<
Eigen::internal::scalar_sum_op<stan::math::var, stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_identity_op<stan::math::var>,
Eigen::Matrix<stan::math::var, -1, -1> > > > >,
Eigen::internal::add_assign_op<stan::math::var, stan::math::var>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<stan::math::var, -1, -1>;
SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
```

```
Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_identity_op<stan::math::var>,
Eigen::Matrix<stan::math::var, -1, -1> > > >; Functor =
Eigen::internal::add_assign_op<stan::math::var, stan::math::var>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<stan::math::var, -1, -1>; SrcXprType
= Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
```

```
Eigen::CwiseNullaryOp<Eigen::internal::scalar_identity_op<stan::math::var>,
Eigen::Matrix<stan::math::var, -1, -1> > > >; Functor =
Eigen::internal::add_assign_op<stan::math::var, stan::math::var>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<stan::math::var, -1, -1>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_identity_op<stan::math::var>,
Eigen::Matrix<stan::math::var, -1, -1> > > >; Func =
Eigen::internal::add_assign_op<stan::math::var, stan::math::var>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Matrix<stan::math::var, -1, -1>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
```

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stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_identity_op<stan::math::var>,
Eigen::Matrix<stan::math::var, -1, -1> > > >; Func =
Eigen::internal::add_assign_op<stan::math::var, stan::math::var>; typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/CwiseBinaryOp.h:177:18:   required from 'Derived&
Eigen::MatrixBase<Derived>::operator+=(const Eigen::MatrixBase<OtherDerived>&)
[with OtherDerived =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
```

```
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_identity_op<stan::math::var>,
Eigen::Matrix<stan::math::var, -1, -1> > >; Derived =
Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/fun/MatrixExponential.h:152:9:   required from 'void
Eigen::matrix_exp_pade13(const MatrixType&, MatrixType&, MatrixType&) [with
MatrixType = Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/fun/MatrixExponential.h:202:24:   required from 'static void
Eigen::matrix_exp_computeUV<MatrixType>::run(const MatrixType&, MatrixType&,
MatrixType&, int&, T) [with T = stan::math::var; MatrixType =
Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/fun/matrix_exp_pade.hpp:23:47:   required from 'MatrixType
stan::math::matrix_exp_pade(const MatrixType&) [with MatrixType =
Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/matrix_exp.hpp:30:31:
required from 'Eigen::Matrix<LhsScalar, -1, -1, 0> stan::math::matrix_exp(const
Eigen::Matrix<LhsScalar, -1, -1, 0>&) [with T = stan::math::var]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/rev/mat/fun/matrix_exp_multiply.hpp:71:21:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
```

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packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, -1, 1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen::internal:
:scalar_sum_op<double, double>, const Eigen::Matrix<double, -1, 1>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
```

```
Eigen::Matrix<double, -1, 1> >, const Eigen::Matrix<double, -1, 1> > > >,
Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<double, -1, 1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen::int
ernal::scalar_sum_op<double, double>, const Eigen::Matrix<double, -1, 1>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Matrix<double, -1, 1> > > >,
Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<double, double>, const
Eigen::Matrix<double, -1, 1>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Matrix<double, -1, 1> > >; Functor
= Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<double, double>, const
Eigen::Matrix<double, -1, 1>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Matrix<double, -1, 1> > >; Functor
= Eigen::internal::assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, 1>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<double, double>, const
Eigen::Matrix<double, -1, 1>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Matrix<double, -1, 1> > >; Func =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/NoAlias.h:42:31:   required from 'ExpressionType&
Eigen::NoAlias<ExpressionType, StorageBase>::operator=(const
StorageBase<OtherDerived>&) [with OtherDerived =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<double, double>, const
Eigen::Matrix<double, -1, 1>, const
```

```
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Matrix<double, -1, 1> > >;
ExpressionType = Eigen::Matrix<double, -1, 1>; StorageBase = Eigen::MatrixBase]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/bfgs_linesearch.hpp:242:22:
required from 'int stan::optimization::WolfeLineSearch(FunctorType&, Scalar&,
XType&, Scalar&, XType&, const XType&, const XType&, const Scalar&, const
XType&, const Scalar&, const Scalar&, const Scalar&) [with FunctorType = stan::o
ptimization::ModelAdaptor<anon_model_6480e1d1f319fa39f3dae7fd542ccee9_namespace:
:anon_model_6480e1d1f319fa39f3dae7fd542ccee9>; Scalar = double; XType =
Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/bfgs.hpp:201:36:   required from 'int
stan::optimization::BFGSMinimizer<FunctorType, QNUpdateType, Scalar,
DimAtCompile>::step() [with FunctorType = stan::optimization::ModelAdaptor<anon_
model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3d
ae7fd542ccee9>; QNUpdateType = stan::optimization::BFGSUpdate_HInv<>; Scalar =
double; int DimAtCompile = -1]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/optimize/bfgs.hpp:121:26:   required from
'int stan::services::optimize::bfgs(Model&, stan::io::var_context&, unsigned
int, unsigned int, double, double, double, double, double, double, double, int,
bool, int, stan::callbacks::interrupt&, stan::callbacks::logger&,
stan::callbacks::writer&, stan::callbacks::writer&) [with Model = anon_model_648
0e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7fd542c
cee9]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:886:45:
required from 'int pystan::{anonymous}::command(pystan::StanArgs&, Model&,
pystan::StanHolder&, const std::vector<long unsigned int>&, const
std::vector<std::__cxx11::basic_string<char> >&, RNG_t&) [with Model = anon_mode
l_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7f
d542ccee9; RNG_t = boost::random::additive_combine_engine<boost::random::linear_
congruential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:1536:22:
required from 'int pystan::stan_fit<Model,
RNG_t>::call_sampler(pystan::StanArgs&, pystan::StanHolder&) [with Model = anon_
model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3d
ae7fd542ccee9; RNG_t = boost::random::additive_combine_engine<boost::random::lin
ear_congruential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7fd542ccee9_53816003179
20641068.cpp:16014:45:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
```

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boolean context [-Wint-in-bool-context]
   86 |      MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |      MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
```

packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, -1, 1> >, Eigen::internal::evaluator<Eigen::CwiseNullaryOp<Eigen::internal
::scalar_constant_op<double>, Eigen::Matrix<double, -1, 1> > >,
Eigen::internal::div_assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<double, -1, 1> >, Eigen::internal::evaluator<Eigen::CwiseNullaryOp<Eigen::in
ternal::scalar_constant_op<double>, Eigen::Matrix<double, -1, 1> > >,
Eigen::internal::div_assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; Functor = Eigen::internal::div_assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; Functor = Eigen::internal::div_assign_op<double,
double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, 1>; Src =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; Func = Eigen::internal::div_assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename

```
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Matrix<double, -1, 1>; Src =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; Func = Eigen::internal::div_assign_op<double,
double>; typename Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/SelfCwiseBinaryOp.h:45:28:   required from 'Derived&
Eigen::DenseBase<Derived>::operator/=(const Scalar&) [with Derived =
Eigen::Matrix<double, -1, 1>; Eigen::DenseBase<Derived>::Scalar = double]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/bfgs.hpp:240:17:   required from 'int
stan::optimization::BFGSMinimizer<FunctorType, QNUpdateType, Scalar,
DimAtCompile>::step() [with FunctorType = stan::optimization::ModelAdaptor<anon_
model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3d
ae7fd542ccee9>; QNUpdateType = stan::optimization::BFGSUpdate_HInv<>; Scalar =
double; int DimAtCompile = -1]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/optimize/bfgs.hpp:121:26:   required from
'int stan::services::optimize::bfgs(Model&, stan::io::var_context&, unsigned
int, unsigned int, double, double, double, double, double, double, double, int,
bool, int, stan::callbacks::interrupt&, stan::callbacks::logger&,
stan::callbacks::writer&, stan::callbacks::writer&) [with Model = anon_model_648
0e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7fd542c
cee9]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:886:45:
required from 'int pystan::{anonymous}::command(pystan::StanArgs&, Model&,
pystan::StanHolder&, const std::vector<long unsigned int>&, const
std::vector<std::__cxx11::basic_string<char> >&, RNG_t&) [with Model = anon_mode
l_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7f
d542ccee9; RNG_t = boost::random::additive_combine_engine<boost::random::linear_
congruential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:1536:22:
required from 'int pystan::stan_fit<Model,
RNG_t>::call_sampler(pystan::StanArgs&, pystan::StanHolder&) [with Model = anon_
model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3d
ae7fd542ccee9; RNG_t = boost::random::additive_combine_engine<boost::random::lin
ear_congruential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7fd542ccee9_53816003179
20641068.cpp:16014:45:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
```

```
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
```

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                     from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                     from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                     from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                     from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                     from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                     from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, -1, 1> >, Eigen::internal::evaluator<Eigen::CwiseUnaryOp<Eigen::internal::
scalar_opposite_op<double>, const Eigen::Product<Eigen::Matrix<double, -1, -1>,
Eigen::Matrix<double, -1, 1>, 0> > >, Eigen::internal::assign_op<double, double>
>':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<double, -1, 1> >, Eigen::internal::evaluator<Eigen::CwiseUnaryOp<Eigen::inte
rnal::scalar_opposite_op<double>, const Eigen::Product<Eigen::Matrix<double, -1,
-1>, Eigen::Matrix<double, -1, 1>, 0> > >, Eigen::internal::assign_op<double,
double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::CwiseUnaryOp<Eigen::internal::scalar_opposite_op<double>, const
Eigen::Product<Eigen::Matrix<double, -1, -1>, Eigen::Matrix<double, -1, 1>, 0>
>; Functor = Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::CwiseUnaryOp<Eigen::internal::scalar_opposite_op<double>, const
Eigen::Product<Eigen::Matrix<double, -1, -1>, Eigen::Matrix<double, -1, 1>, 0>
>; Functor = Eigen::internal::assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, 1>; Src =
Eigen::CwiseUnaryOp<Eigen::internal::scalar_opposite_op<double>, const
Eigen::Product<Eigen::Matrix<double, -1, -1>, Eigen::Matrix<double, -1, 1>, 0>
>; Func = Eigen::internal::assign_op<double, double>]'
```

/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/NoAlias.h:42:31:   required from 'ExpressionType& Eigen::NoAlias<ExpressionType, StorageBase>::operator=(const StorageBase<OtherDerived>&) [with OtherDerived = Eigen::CwiseUnaryOp<Eigen::internal::scalar_opposite_op<double>, const Eigen::Product<Eigen::Matrix<double, -1, -1>, Eigen::Matrix<double, -1, 1>, 0> >; ExpressionType = Eigen::Matrix<double, -1, 1>; StorageBase = Eigen::MatrixBase]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/src/stan/optimization/bfgs_update.hpp:56:22:   required from 'void stan::optimization::BFGSUpdate_HInv<Scalar, DimAtCompile>::search_direction(stan::optimization::BFGSUpdate_HInv<Scalar, DimAtCompile>::VectorT&, const VectorT&) const [with Scalar = double; int DimAtCompile = -1; stan::optimization::BFGSUpdate_HInv<Scalar, DimAtCompile>::VectorT = Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/src/stan/optimization/bfgs.hpp:247:29:   required from 'int stan::optimization::BFGSMinimizer<FunctorType, QNUpdateType, Scalar, DimAtCompile>::step() [with FunctorType = stan::optimization::ModelAdaptor<anon_model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7fd542ccee9>; QNUpdateType = stan::optimization::BFGSUpdate_HInv<>; Scalar = double; int DimAtCompile = -1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/src/stan/services/optimize/bfgs.hpp:121:26:   required from 'int stan::services::optimize::bfgs(Model&, stan::io::var_context&, unsigned int, unsigned int, double, double, double, double, double, double, double, int, bool, int, stan::callbacks::interrupt&, stan::callbacks::logger&, stan::callbacks::writer&, stan::callbacks::writer&) [with Model = anon_model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7fd542ccee9]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:886:45: required from 'int pystan::{anonymous}::command(pystan::StanArgs&, Model&, pystan::StanHolder&, const std::vector<long unsigned int>&, const std::vector<std::__cxx11::basic_string<char> >&, RNG_t&) [with Model = anon_model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7fd542ccee9; RNG_t = boost::random::additive_combine_engine<boost::random::linear_congruential_engine<unsigned int, 40014, 0, 2147483563>, boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399> >]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:1536:22: required from 'int pystan::stan_fit<Model, RNG_t>::call_sampler(pystan::StanArgs&, pystan::StanHolder&) [with Model = anon_model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7fd542ccee9; RNG_t = boost::random::additive_combine_engine<boost::random::linear_congruential_engine<unsigned int, 40014, 0, 2147483563>, boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399> >]'
/tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7fd542ccee9_53816003179

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20641068.cpp:16014:45:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                  ^~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
```

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                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, -1, 1> >, Eigen::internal::evaluator<Eigen::Map<Eigen::Matrix<double, -1,
1>, 0, Eigen::Stride<0, 0> > >, Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<double, -1, 1> >,
Eigen::internal::evaluator<Eigen::Map<Eigen::Matrix<double, -1, 1>, 0,
Eigen::Stride<0, 0> > >, Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::Map<Eigen::Matrix<double, -1, 1>, 0, Eigen::Stride<0, 0> >; Functor =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::Map<Eigen::Matrix<double, -1, 1>, 0, Eigen::Stride<0, 0> >; Functor =
Eigen::internal::assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, 1>; Src = Eigen::Map<Eigen::Matrix<double, -1,
1>, 0, Eigen::Stride<0, 0> >; Func = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:728:41:   required from 'Derived&
Eigen::PlainObjectBase<Derived>::_set_noalias(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
```

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Eigen::Map<Eigen::Matrix<double, -1, 1>, 0, Eigen::Stride<0, 0> >; Derived =
Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:537:19:    required from
'Eigen::PlainObjectBase<Derived>::PlainObjectBase(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::Map<Eigen::Matrix<double, -1, 1>, 0, Eigen::Stride<0, 0> >; Derived =
Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:379:29:    required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::Matrix(const Eigen::EigenBase<OtherDerived>&) [with OtherDerived =
Eigen::Map<Eigen::Matrix<double, -1, 1>, 0, Eigen::Stride<0, 0> >; _Scalar =
double; int _Rows = -1; int _Cols = 1; int _Options = 0; int _MaxRows = -1; int
_MaxCols = 1]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/experimental/advi/fullrank.hpp:76:27:
required from 'int stan::services::experimental::advi::fullrank(Model&,
stan::io::var_context&, unsigned int, unsigned int, double, int, int, int,
double, double, bool, int, int, int, stan::callbacks::interrupt&,
stan::callbacks::logger&, stan::callbacks::writer&, stan::callbacks::writer&,
stan::callbacks::writer&) [with Model = anon_model_6480e1d1f319fa39f3dae7fd542cc
ee9_namespace::anon_model_6480e1d1f319fa39f3dae7fd542ccee9]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:1266:23:
required from 'int pystan::{anonymous}::command(pystan::StanArgs&, Model&,
pystan::StanHolder&, const std::vector<long unsigned int>&, const
std::vector<std::__cxx11::basic_string<char> >&, RNG_t&) [with Model = anon_mode
l_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7f
d542ccee9; RNG_t = boost::random::additive_combine_engine<boost::random::linear_
congruential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:1536:22:
required from 'int pystan::stan_fit<Model,
RNG_t>::call_sampler(pystan::StanArgs&, pystan::StanHolder&) [with Model = anon_
model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3d
ae7fd542ccee9; RNG_t = boost::random::additive_combine_engine<boost::random::lin
ear_congruential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7fd542ccee9_53816003179
20641068.cpp:16014:45:    required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
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   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
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```

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In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
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/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
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   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
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packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, -1, -1> >, Eigen::internal::evaluator<Eigen::Product<Eigen::Matrix<double,
-1, -1>, Eigen::Transpose<const Eigen::Matrix<double, -1, -1> >, 1> >,
Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<double, -1, -1> >,
Eigen::internal::evaluator<Eigen::Product<Eigen::Matrix<double, -1, -1>,
Eigen::Transpose<const Eigen::Matrix<double, -1, -1> >, 1> >,
Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<double, -1, -1>; SrcXprType =
Eigen::Product<Eigen::Matrix<double, -1, -1>, Eigen::Transpose<const
Eigen::Matrix<double, -1, -1> >, 1>; Functor =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<double, -1, -1>; SrcXprType =
Eigen::Product<Eigen::Matrix<double, -1, -1>, Eigen::Transpose<const
Eigen::Matrix<double, -1, -1> >, 1>; Functor =
Eigen::internal::assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, -1>; Src = Eigen::Product<Eigen::Matrix<double,
-1, -1>, Eigen::Transpose<const Eigen::Matrix<double, -1, -1> >, 1>; Func =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/ProductEvaluators.h:391:29:   [skipping 2
instantiation contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/ProductEvaluators.h:148:43:   required from 'static
void Eigen::internal::Assignment<DstXprType, Eigen::Product<Lhs, Rhs, Options>,
Eigen::internal::assign_op<Scalar, Scalar>, Eigen::internal::Dense2Dense,

```
typename Eigen::internal::enable_if<((Options == Eigen::DefaultProduct) ||
(Options == Eigen::AliasFreeProduct))>::type>::run(DstXprType&, const
SrcXprType&, const Eigen::internal::assign_op<Scalar, Scalar>&) [with DstXprType
= Eigen::Matrix<double, -1, -1>; Lhs = Eigen::Matrix<double, -1, -1>; Rhs =
Eigen::Transpose<const Eigen::Matrix<double, -1, -1> >; int Options = 0; Scalar
= double; Eigen::internal::Assignment<DstXprType, Eigen::Product<Lhs, Rhs,
Options>, Eigen::internal::assign_op<Scalar, Scalar>,
Eigen::internal::Dense2Dense, typename Eigen::internal::enable_if<((Options ==
Eigen::DefaultProduct) || (Options ==
Eigen::AliasFreeProduct))>::type>::SrcXprType =
Eigen::Product<Eigen::Matrix<double, -1, -1>, Eigen::Transpose<const
Eigen::Matrix<double, -1, -1> >, 0>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, -1>; Src = Eigen::Product<Eigen::Matrix<double,
-1, -1>, Eigen::Transpose<const Eigen::Matrix<double, -1, -1> >, 0>; Func =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:728:41:   required from 'Derived&
Eigen::PlainObjectBase<Derived>::_set_noalias(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::Product<Eigen::Matrix<double, -1, -1>, Eigen::Transpose<const
Eigen::Matrix<double, -1, -1> >, 0>; Derived = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:537:19:   required from
'Eigen::PlainObjectBase<Derived>::PlainObjectBase(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::Product<Eigen::Matrix<double, -1, -1>, Eigen::Transpose<const
Eigen::Matrix<double, -1, -1> >, 0>; Derived = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:379:29:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::Matrix(const Eigen::EigenBase<OtherDerived>&) [with OtherDerived =
Eigen::Product<Eigen::Matrix<double, -1, -1>, Eigen::Transpose<const
Eigen::Matrix<double, -1, -1> >, 0>; _Scalar = double; int _Rows = -1; int _Cols
= -1; int _Options = 0; int _MaxRows = -1; int _MaxCols = -1]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/tcrossprod.hpp:20:28:
required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |      MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
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packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
```

packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Block<Eig
en::Ref<Eigen::Matrix<double, -1, -1> >, -1, 1, false> >, Eigen::internal::evalu
ator<Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> > >, Eigen::internal::div_assign_op<double, double>
>':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Blo
ck<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1, 1, false> >, Eigen::internal:
:evaluator<Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> > >, Eigen::internal::div_assign_op<double,
double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Block<Eigen::Ref<Eigen::Matrix<double,
-1, -1> >, -1, 1, false>; SrcXprType =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; Functor = Eigen::internal::div_assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1,
-1> >, -1, 1, false>; SrcXprType =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; Functor = Eigen::internal::div_assign_op<double,
double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1, 1, false>;
Src = Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; Func = Eigen::internal::div_assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   [skipping 2 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LLT.h:322:21:   required from 'static Eigen::Index

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Eigen::internal::llt_inplace<Scalar, 1>::unblocked(MatrixType&) [with MatrixType
= Eigen::Ref<Eigen::Matrix<double, -1, -1> >; Scalar = double; Eigen::Index =
long int]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LLT.h:333:23:   required from 'static Eigen::Index
Eigen::internal::llt_inplace<Scalar, 1>::blocked(MatrixType&) [with MatrixType =
Eigen::Ref<Eigen::Matrix<double, -1, -1> >; Scalar = double; Eigen::Index = long
int]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LLT.h:397:68:   required from 'static bool
Eigen::internal::LLT_Traits<MatrixType, 1>::inplace_decomposition(MatrixType&)
[with MatrixType = Eigen::Ref<Eigen::Matrix<double, -1, -1> >]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LLT.h:444:42:   required from
'Eigen::LLT<MatrixType, _UpLo>& Eigen::LLT<MatrixType, UpLo>::compute(const
Eigen::EigenBase<OtherDerived>&) [with InputType = Eigen::Matrix<double, -1,
-1>; _MatrixType = Eigen::Ref<Eigen::Matrix<double, -1, -1> >; int _UpLo = 1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LLT.h:111:14:   required from
'Eigen::LLT<MatrixType, UpLo>::LLT(Eigen::EigenBase<OtherDerived>&) [with
InputType = Eigen::Matrix<double, -1, -1>; _MatrixType =
Eigen::Ref<Eigen::Matrix<double, -1, -1> >; int _UpLo = 1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/rev/mat/fun/cholesky_decompose.hpp:244:69:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 | MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
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In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
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packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
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packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
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packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Block<Eig
en::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1, -1, false>, -1, 1,
false> >, Eigen::internal::evaluator<Eigen::CwiseNullaryOp<Eigen::internal::scal
ar_constant_op<double>, Eigen::Matrix<double, -1, 1> > >,
Eigen::internal::div_assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Blo
ck<Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1, -1, false>, -1,
```

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1, false> >, Eigen::internal::evaluator<Eigen::CwiseNullaryOp<Eigen::internal::s
calar_constant_op<double>, Eigen::Matrix<double, -1, 1> > >,
Eigen::internal::div_assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType =
Eigen::Block<Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1, -1,
false>, -1, 1, false>; SrcXprType =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; Functor = Eigen::internal::div_assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType =
Eigen::Block<Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1, -1,
false>, -1, 1, false>; SrcXprType =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; Functor = Eigen::internal::div_assign_op<double,
double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Block<Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1,
-1, false>, -1, 1, false>; Src =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; Func = Eigen::internal::div_assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   [ skipping 2 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable ]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LLT.h:322:21:   required from 'static Eigen::Index
Eigen::internal::llt_inplace<Scalar, 1>::unblocked(MatrixType&) [with MatrixType
= Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1, -1, false>;
Scalar = double; Eigen::Index = long int]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LLT.h:352:24:   required from 'static Eigen::Index
Eigen::internal::llt_inplace<Scalar, 1>::blocked(MatrixType&) [with MatrixType =
Eigen::Ref<Eigen::Matrix<double, -1, -1> >; Scalar = double; Eigen::Index = long
int]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LLT.h:397:68:   required from 'static bool
Eigen::internal::LLT_Traits<MatrixType, 1>::inplace_decomposition(MatrixType&)
[with MatrixType = Eigen::Ref<Eigen::Matrix<double, -1, -1> >]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
```

```
gen_3.3.3/Eigen/src/Cholesky/LLT.h:444:42:   required from
'Eigen::LLT<MatrixType, _UpLo>& Eigen::LLT<MatrixType, UpLo>::compute(const
Eigen::EigenBase<OtherDerived>&) [with InputType = Eigen::Matrix<double, -1,
-1>; _MatrixType = Eigen::Ref<Eigen::Matrix<double, -1, -1> >; int _UpLo = 1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LLT.h:111:14:   required from
'Eigen::LLT<MatrixType, UpLo>::LLT(Eigen::EigenBase<OtherDerived>&) [with
InputType = Eigen::Matrix<double, -1, -1>; _MatrixType =
Eigen::Ref<Eigen::Matrix<double, -1, -1> >; int _UpLo = 1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/rev/mat/fun/cholesky_decompose.hpp:244:69:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~~
```

```
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<st
an::math::var, -1, -1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen:
:internal::scalar_sum_op<stan::math::var, stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_identity_op<stan::math::var>,
Eigen::Matrix<stan::math::var, -1, -1> > > > >,
Eigen::internal::assign_op<stan::math::var, stan::math::var> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<stan::math::var, -1, -1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<
Eigen::internal::scalar_sum_op<stan::math::var, stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
```

```
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_identity_op<stan::math::var>,
Eigen::Matrix<stan::math::var, -1, -1> > > > >,
Eigen::internal::assign_op<stan::math::var, stan::math::var>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<stan::math::var, -1, -1>;
SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_identity_op<stan::math::var>,
Eigen::Matrix<stan::math::var, -1, -1> > > >; Functor =
Eigen::internal::assign_op<stan::math::var, stan::math::var>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<stan::math::var, -1, -1>; SrcXprType
= Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_identity_op<stan::math::var>,
Eigen::Matrix<stan::math::var, -1, -1> > > >; Functor =
Eigen::internal::assign_op<stan::math::var, stan::math::var>; Weak = void]'
```

/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<stan::math::var, -1, -1>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_identity_op<stan::math::var>,
Eigen::Matrix<stan::math::var, -1, -1> > > >; Func =
Eigen::internal::assign_op<stan::math::var, stan::math::var>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:728:41:   [skipping 2 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:379:29:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::Matrix(const Eigen::EigenBase<OtherDerived>&) [with OtherDerived =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_identity_op<stan::math::var>,
Eigen::Matrix<stan::math::var, -1, -1> > > >; _Scalar = stan::math::var; int
_Rows = -1; int _Cols = -1; int _Options = 0; int _MaxRows = -1; int _MaxCols =
-1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/fun/MatrixExponential.h:70:22:   required from 'void
Eigen::matrix_exp_pade3(const MatrixType&, MatrixType&, MatrixType&) [with
MatrixType = Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/fun/MatrixExponential.h:190:23:   required from 'static void
Eigen::matrix_exp_computeUV<MatrixType>::run(const MatrixType&, MatrixType&,
MatrixType&, int&, T) [with T = stan::math::var; MatrixType =

```
Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/fun/matrix_exp_pade.hpp:23:47:   required from 'MatrixType
stan::math::matrix_exp_pade(const MatrixType&) [with MatrixType =
Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/matrix_exp.hpp:30:31:
required from 'Eigen::Matrix<LhsScalar, -1, -1, 0> stan::math::matrix_exp(const
Eigen::Matrix<LhsScalar, -1, -1, 0>&) [with T = stan::math::var]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/rev/mat/fun/matrix_exp_multiply.hpp:71:21:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                 ^~~~~~~~~~~~~~~~~~~
```

```
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<st
an::math::var, -1, -1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen:
:internal::scalar_sum_op<stan::math::var, stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_identity_op<stan::math::var>,
Eigen::Matrix<stan::math::var, -1, -1> > > > >,
Eigen::internal::assign_op<stan::math::var, stan::math::var> >':
```

```
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<stan::math::var, -1, -1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<
Eigen::internal::scalar_sum_op<stan::math::var, stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_identity_op<stan::math::var>,
Eigen::Matrix<stan::math::var, -1, -1> > > > >,
Eigen::internal::assign_op<stan::math::var, stan::math::var>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<stan::math::var, -1, -1>;
SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_identity_op<stan::math::var>,
```

```
Eigen::Matrix<stan::math::var, -1, -1> > > >; Functor =
Eigen::internal::assign_op<stan::math::var, stan::math::var>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<stan::math::var, -1, -1>; SrcXprType
= Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_identity_op<stan::math::var>,
Eigen::Matrix<stan::math::var, -1, -1> > > >; Functor =
Eigen::internal::assign_op<stan::math::var, stan::math::var>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<stan::math::var, -1, -1>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
```

```
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_identity_op<stan::math::var>,
Eigen::Matrix<stan::math::var, -1, -1> > > >; Func =
Eigen::internal::assign_op<stan::math::var, stan::math::var>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:728:41:   [ skipping 2 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable ]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:379:29:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::Matrix(const Eigen::EigenBase<OtherDerived>&) [with OtherDerived =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_identity_op<stan::math::var>,
Eigen::Matrix<stan::math::var, -1, -1> > > >; _Scalar = stan::math::var; int
_Rows = -1; int _Cols = -1; int _Options = 0; int _MaxRows = -1; int _MaxCols =
-1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/fun/MatrixExponential.h:87:22:   required from 'void
Eigen::matrix_exp_pade5(const MatrixType&, MatrixType&, MatrixType&) [with
MatrixType = Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/fun/MatrixExponential.h:192:23:   required from 'static void
Eigen::matrix_exp_computeUV<MatrixType>::run(const MatrixType&, MatrixType&,
MatrixType&, int&, T) [with T = stan::math::var; MatrixType =
Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/fun/matrix_exp_pade.hpp:23:47:   required from 'MatrixType
stan::math::matrix_exp_pade(const MatrixType&) [with MatrixType =
Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-
```

packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/matrix_exp.hpp:30:31:
required from 'Eigen::Matrix<LhsScalar, -1, -1, 0> stan::math::matrix_exp(const
Eigen::Matrix<LhsScalar, -1, -1, 0>&) [with T = stan::math::var]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/rev/mat/fun/matrix_exp_multiply.hpp:71:21:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 | MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~^~~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 | MaySliceVectorize = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      | ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,

```
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<st
an::math::var, -1, -1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen:
:internal::scalar_sum_op<stan::math::var, stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_identity_op<stan::math::var>,
Eigen::Matrix<stan::math::var, -1, -1> > > > >,
```

```
Eigen::internal::assign_op<stan::math::var, stan::math::var> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<stan::math::var, -1, -1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<
Eigen::internal::scalar_sum_op<stan::math::var, stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_identity_op<stan::math::var>,
Eigen::Matrix<stan::math::var, -1, -1> > > > >,
Eigen::internal::assign_op<stan::math::var, stan::math::var>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<stan::math::var, -1, -1>;
SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> >, const
```

```
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_identity_op<stan::math::var>,
Eigen::Matrix<stan::math::var, -1, -1> > > >; Functor =
Eigen::internal::assign_op<stan::math::var, stan::math::var>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<stan::math::var, -1, -1>; SrcXprType
= Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_identity_op<stan::math::var>,
```

```
Eigen::Matrix<stan::math::var, -1, -1> > > >; Functor =
Eigen::internal::assign_op<stan::math::var, stan::math::var>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<stan::math::var, -1, -1>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_identity_op<stan::math::var>,
Eigen::Matrix<stan::math::var, -1, -1> > >; Func =
Eigen::internal::assign_op<stan::math::var, stan::math::var>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:728:41:   [ skipping 2 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable ]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:379:29:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::Matrix(const Eigen::EigenBase<OtherDerived>&) [with OtherDerived =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
```

```
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_identity_op<stan::math::var>,
Eigen::Matrix<stan::math::var, -1, -1> > > >; _Scalar = stan::math::var; int
_Rows = -1; int _Cols = -1; int _Options = 0; int _MaxRows = -1; int _MaxCols =
-1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/fun/MatrixExponential.h:106:22:   required from 'void
Eigen::matrix_exp_pade7(const MatrixType&, MatrixType&, MatrixType&) [with
MatrixType = Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/fun/MatrixExponential.h:194:23:   required from 'static void
Eigen::matrix_exp_computeUV<MatrixType>::run(const MatrixType&, MatrixType&,
MatrixType&, int&, T) [with T = stan::math::var; MatrixType =
Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/fun/matrix_exp_pade.hpp:23:47:   required from 'MatrixType
stan::math::matrix_exp_pade(const MatrixType&) [with MatrixType =
Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/matrix_exp.hpp:30:31:
required from 'Eigen::Matrix<LhsScalar, -1, -1, 0> stan::math::matrix_exp(const
Eigen::Matrix<LhsScalar, -1, -1, 0>&) [with T = stan::math::var]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/rev/mat/fun/matrix_exp_multiply.hpp:71:21:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~
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In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
```

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                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                    from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<st
an::math::var, -1, -1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen:
:internal::scalar_sum_op<stan::math::var, stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_identity_op<stan::math::var>,
Eigen::Matrix<stan::math::var, -1, -1> > > > >,
Eigen::internal::assign_op<stan::math::var, stan::math::var> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<stan::math::var, -1, -1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<
```

```
Eigen::internal::scalar_sum_op<stan::math::var, stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_identity_op<stan::math::var>,
Eigen::Matrix<stan::math::var, -1, -1> > > > >,
Eigen::internal::assign_op<stan::math::var, stan::math::var>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<stan::math::var, -1, -1>;
SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
```

stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_identity_op<stan::math::var>,
Eigen::Matrix<stan::math::var, -1, -1> > > >; Functor =
Eigen::internal::assign_op<stan::math::var, stan::math::var>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<stan::math::var, -1, -1>; SrcXprType
= Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const

```
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_identity_op<stan::math::var>,
Eigen::Matrix<stan::math::var, -1, -1> > > >; Functor =
Eigen::internal::assign_op<stan::math::var, stan::math::var>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<stan::math::var, -1, -1>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
```

```
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_identity_op<stan::math::var>,
Eigen::Matrix<stan::math::var, -1, -1> > >; Func =
Eigen::internal::assign_op<stan::math::var, stan::math::var>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:728:41:   [ skipping 2 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable ]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:379:29:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::Matrix(const Eigen::EigenBase<OtherDerived>&) [with OtherDerived =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
```

```
Eigen::CwiseNullaryOp<Eigen::internal::scalar_identity_op<stan::math::var>,
Eigen::Matrix<stan::math::var, -1, -1> > > >; _Scalar = stan::math::var; int
_Rows = -1; int _Cols = -1; int _Options = 0; int _MaxRows = -1; int _MaxCols =
-1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/fun/MatrixExponential.h:128:22:   required from 'void
Eigen::matrix_exp_pade9(const MatrixType&, MatrixType&, MatrixType&) [with
MatrixType = Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/fun/MatrixExponential.h:196:23:   required from 'static void
Eigen::matrix_exp_computeUV<MatrixType>::run(const MatrixType&, MatrixType&,
MatrixType&, int&, T) [with T = stan::math::var; MatrixType =
Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/fun/matrix_exp_pade.hpp:23:47:   required from 'MatrixType
stan::math::matrix_exp_pade(const MatrixType&) [with MatrixType =
Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/matrix_exp.hpp:30:31:
required from 'Eigen::Matrix<LhsScalar, -1, -1, 0> stan::math::matrix_exp(const
Eigen::Matrix<LhsScalar, -1, -1, 0>&) [with T = stan::math::var]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/rev/mat/fun/matrix_exp_multiply.hpp:71:21:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
```

```
                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                  from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |    MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                   ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                  from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, -1, -1> >, Eigen::internal::evaluator<Eigen::TriangularView<const
Eigen::Matrix<double, -1, -1>, 1> >, Eigen::internal::assign_op<double, double>
>':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<double, -1, -1> >, Eigen::internal::evaluator<Eigen::TriangularView<const
Eigen::Matrix<double, -1, -1>, 1> >, Eigen::internal::assign_op<double, double>,
0>'
```

/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/TriangularMatrix.h:736:7:   required from 'class
Eigen::internal::triangular_dense_assignment_kernel<1, 0, 1,
Eigen::internal::evaluator<Eigen::Matrix<double, -1, -1> >,
Eigen::internal::evaluator<Eigen::TriangularView<const Eigen::Matrix<double, -1,
-1>, 1> >, Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/TriangularMatrix.h:799:10:   required from 'void
Eigen::internal::call_triangular_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with int Mode = 1; bool SetOpposite = true; DstXprType =
Eigen::Matrix<double, -1, -1>; SrcXprType = Eigen::TriangularView<const
Eigen::Matrix<double, -1, -1>, 1>; Functor = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/TriangularMatrix.h:838:89:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Triangular2Dense>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<double, -1, -1>; SrcXprType =
Eigen::TriangularView<const Eigen::Matrix<double, -1, -1>, 1>; Functor =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, -1>; Src = Eigen::TriangularView<const
Eigen::Matrix<double, -1, -1>, 1>; Func = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   [skipping 2 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Assign.h:75:28:   required from 'Derived&
Eigen::MatrixBase<Derived>::operator=(const Eigen::EigenBase<OtherDerived>&)
[with OtherDerived = Eigen::TriangularView<const Eigen::Matrix<double, -1, -1>,
1>; Derived = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:571:22:   required from 'Derived&
Eigen::PlainObjectBase<Derived>::operator=(const
Eigen::EigenBase<OtherDerived>&) [with OtherDerived =
Eigen::TriangularView<const Eigen::Matrix<double, -1, -1>, 1>; Derived =
Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:238:29:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows, _MaxCols>&
Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::operator=(const Eigen::EigenBase<OtherDerived>&) [with OtherDerived =
Eigen::TriangularView<const Eigen::Matrix<double, -1, -1>, 1>; _Scalar = double;
int _Rows = -1; int _Cols = -1; int _Options = 0; int _MaxRows = -1; int
_MaxCols = -1]'

/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:432:7:   required from
'Eigen::SelfAdjointEigenSolver<MatrixType>&
Eigen::SelfAdjointEigenSolver<_MatrixType>::compute(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:168:14:   required from
'Eigen::SelfAdjointEigenSolver<_MatrixType>::SelfAdjointEigenSolver(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/newton.hpp:21:55:   required from
here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 | MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~^~~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]

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```
   90 |      MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                    ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Block<Eig
en::Matrix<double, -1, 1>, -1, 1, false> >, Eigen::internal::evaluator<Eigen::Cw
iseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const
Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1, true>, -1, 1,
false> > >, Eigen::internal::add_assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Blo
ck<Eigen::Matrix<double, -1, 1>, -1, 1, false> >, Eigen::internal::evaluator<Eig
en::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const
Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1, true>, -1, 1,
false> > >, Eigen::internal::add_assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
```

```
const Functor&) [with DstXprType = Eigen::Block<Eigen::Matrix<double, -1, 1>,
-1, 1, false>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const
Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1, true>, -1, 1,
false> >; Functor = Eigen::internal::add_assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Block<Eigen::Matrix<double, -1, 1>, -1, 1,
false>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const
Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1, true>, -1, 1,
false> >; Functor = Eigen::internal::add_assign_op<double, double>; Weak =
void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Block<Eigen::Matrix<double, -1, 1>, -1, 1, false>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const
Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1, true>, -1, 1,
false> >; Func = Eigen::internal::add_assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   [ skipping 2 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable ]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:370:25:   required from
'void Eigen::internal::tridiagonalization_inplace(MatrixType&, CoeffVectorType&)
[with MatrixType = Eigen::Matrix<double, -1, -1>; CoeffVectorType =
Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:445:31:   required from
'static void Eigen::internal::tridiagonalization_inplace_selector<MatrixType,
Size, IsComplex>::run(MatrixType&, DiagonalType&, SubDiagonalType&, bool) [with
DiagonalType = Eigen::Matrix<double, -1, 1>; SubDiagonalType =
Eigen::Matrix<double, -1, 1>; MatrixType = Eigen::Matrix<double, -1, -1>; int
Size = -1; bool IsComplex = false]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:430:55:   required from
'void Eigen::internal::tridiagonalization_inplace(MatrixType&, DiagonalType&,
SubDiagonalType&, bool) [with MatrixType = Eigen::Matrix<double, -1, -1>;
DiagonalType = Eigen::Matrix<double, -1, 1>; SubDiagonalType =
```

```
Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:437:39:   required from
'Eigen::SelfAdjointEigenSolver<MatrixType>&
Eigen::SelfAdjointEigenSolver<_MatrixType>::compute(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:168:14:   required from
'Eigen::SelfAdjointEigenSolver<_MatrixType>::SelfAdjointEigenSolver(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/newton.hpp:21:55:   required from
here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
```

```
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                   ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:473,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/products/GeneralMatrixVector.h: In instantiation of
'static void Eigen::internal::general_matrix_vector_product<Index, LhsScalar,
LhsMapper, 1, ConjugateLhs, RhsScalar, RhsMapper, ConjugateRhs,
Version>::run(Index, Index, const LhsMapper&, const RhsMapper&,
Eigen::internal::general_matrix_vector_product<Index, LhsScalar, LhsMapper, 1,
ConjugateLhs, RhsScalar, RhsMapper, ConjugateRhs, Version>::ResScalar*, Index,
Eigen::internal::general_matrix_vector_product<Index, LhsScalar, LhsMapper, 1,
ConjugateLhs, RhsScalar, RhsMapper, ConjugateRhs, Version>::ResScalar) [with
Index = long int; LhsScalar = double; LhsMapper =
Eigen::internal::const_blas_data_mapper<double, long int, 1>; bool ConjugateLhs
= false; RhsScalar = double; RhsMapper =
Eigen::internal::const_blas_data_mapper<double, long int, 0>; bool ConjugateRhs
= false; int Version = 0; Eigen::internal::general_matrix_vector_product<Index,
LhsScalar, LhsMapper, 1, ConjugateLhs, RhsScalar, RhsMapper, ConjugateRhs,
Version>::ResScalar = double]':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/GeneralProduct.h:334:132:   required from 'static void
Eigen::internal::gemv_dense_selector<2, 1, true>::run(const Lhs&, const Rhs&,
Dest&, const typename Dest::Scalar&) [with Lhs =
```

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Eigen::Transpose<Eigen::Matrix<double, -1, -1> >; Rhs = Eigen::Matrix<double,
-1, 1>; Dest = Eigen::Matrix<double, -1, 1>; typename Dest::Scalar = double]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/ProductEvaluators.h:377:34:   required from 'static
void Eigen::internal::generic_product_impl<Lhs, Rhs, Eigen::DenseShape,
Eigen::DenseShape, 7>::scaleAndAddTo(Dest&, const Lhs&, const Rhs&, const
Scalar&) [with Dest = Eigen::Matrix<double, -1, 1>; Lhs =
Eigen::Transpose<Eigen::Matrix<double, -1, -1> >; Rhs = Eigen::Matrix<double,
-1, 1>; Eigen::internal::generic_product_impl<Lhs, Rhs, Eigen::DenseShape,
Eigen::DenseShape, 7>::Scalar = double]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/ProductEvaluators.h:355:27:   required from 'static
void Eigen::internal::generic_product_impl_base<Lhs, Rhs,
Derived>::scaleAndAddTo(Dst&, const Lhs&, const Rhs&, const Scalar&) [with Dst =
Eigen::Matrix<double, -1, 1>; Lhs = Eigen::Transpose<Eigen::Matrix<double, -1,
-1> >; Rhs = Eigen::Matrix<double, -1, 1>; Derived =
Eigen::internal::generic_product_impl<Eigen::Transpose<Eigen::Matrix<double, -1,
-1> >, Eigen::Matrix<double, -1, 1>, Eigen::DenseShape, Eigen::DenseShape, 7>;
Eigen::internal::generic_product_impl_base<Lhs, Rhs, Derived>::Scalar = double]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/ProductEvaluators.h:343:33:   required from 'static
void Eigen::internal::generic_product_impl_base<Lhs, Rhs, Derived>::evalTo(Dst&,
const Lhs&, const Rhs&) [with Dst = Eigen::Matrix<double, -1, 1>; Lhs =
Eigen::Transpose<Eigen::Matrix<double, -1, -1> >; Rhs = Eigen::Matrix<double,
-1, 1>; Derived =
Eigen::internal::generic_product_impl<Eigen::Transpose<Eigen::Matrix<double, -1,
-1> >, Eigen::Matrix<double, -1, 1>, Eigen::DenseShape, Eigen::DenseShape, 7>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/ProductEvaluators.h:148:43:   required from 'static
void Eigen::internal::Assignment<DstXprType, Eigen::Product<Lhs, Rhs, Options>,
Eigen::internal::assign_op<Scalar, Scalar>, Eigen::internal::Dense2Dense,
typename Eigen::internal::enable_if<((Options == Eigen::DefaultProduct) ||
(Options == Eigen::AliasFreeProduct))>::type>::run(DstXprType&, const
SrcXprType&, const Eigen::internal::assign_op<Scalar, Scalar>&) [with DstXprType
= Eigen::Matrix<double, -1, 1>; Lhs = Eigen::Transpose<Eigen::Matrix<double, -1,
-1> >; Rhs = Eigen::Matrix<double, -1, 1>; int Options = 0; Scalar = double;
Eigen::internal::Assignment<DstXprType, Eigen::Product<Lhs, Rhs, Options>,
Eigen::internal::assign_op<Scalar, Scalar>, Eigen::internal::Dense2Dense,
typename Eigen::internal::enable_if<((Options == Eigen::DefaultProduct) ||
(Options == Eigen::AliasFreeProduct))>::type>::SrcXprType =
Eigen::Product<Eigen::Transpose<Eigen::Matrix<double, -1, -1> >,
Eigen::Matrix<double, -1, 1>, 0>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, 1>; Src =
Eigen::Product<Eigen::Transpose<Eigen::Matrix<double, -1, -1> >,
Eigen::Matrix<double, -1, 1>, 0>; Func = Eigen::internal::assign_op<double,
```

double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:728:41:   required from 'Derived&
Eigen::PlainObjectBase<Derived>::_set_noalias(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::Product<Eigen::Transpose<Eigen::Matrix<double, -1, -1> >,
Eigen::Matrix<double, -1, 1>, 0>; Derived = Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:537:19:   required from
'Eigen::PlainObjectBase<Derived>::PlainObjectBase(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::Product<Eigen::Transpose<Eigen::Matrix<double, -1, -1> >,
Eigen::Matrix<double, -1, 1>, 0>; Derived = Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:379:29:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::Matrix(const Eigen::EigenBase<OtherDerived>&) [with OtherDerived =
Eigen::Product<Eigen::Transpose<Eigen::Matrix<double, -1, -1> >,
Eigen::Matrix<double, -1, 1>, 0>; _Scalar = double; int _Rows = -1; int _Cols =
1; int _Options = 0; int _MaxRows = -1; int _MaxCols = 1]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/newton.hpp:24:62:   required from
here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/products/GeneralMatrixVector.h:460:39: warning: enum
constant in boolean context [-Wint-in-bool-context]
  460 | const Index offset1 = (FirstAligned && alignmentStep==1)?3:1;
      | ~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/products/GeneralMatrixVector.h:461:39: warning: enum
constant in boolean context [-Wint-in-bool-context]
  461 | const Index offset3 = (FirstAligned && alignmentStep==1)?1:3;
      | ~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-

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packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Block<Eig
en::Block<Eigen::Matrix<double, -1, -1>, 1, -1, false>, 1, -1, false> >,
Eigen::internal::evaluator<Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1,
-1>, 1, -1, false>, 1, -1, false> >, Eigen::internal::swap_assign_op<double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Blo
ck<Eigen::Block<Eigen::Matrix<double, -1, -1>, 1, -1, false>, 1, -1, false> >,
Eigen::internal::evaluator<Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1,
-1>, 1, -1, false>, 1, -1, false> >, Eigen::internal::swap_assign_op<double>,
1>'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/Swap.h:19:7:
required from 'class Eigen::internal::generic_dense_assignment_kernel<Eigen::int
ernal::evaluator<Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, 1, -1,
false>, 1, -1, false> >,
Eigen::internal::evaluator<Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1,
-1>, 1, -1, false>, 1, -1, false> >, Eigen::internal::swap_assign_op<double>,
0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType =
Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, 1, -1, false>, 1, -1,
false>; SrcXprType = Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, 1,
-1, false>, 1, -1, false>; Functor = Eigen::internal::swap_assign_op<double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1,
-1>, 1, -1, false>, 1, -1, false>; SrcXprType =
Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, 1, -1, false>, 1, -1,
false>; Functor = Eigen::internal::swap_assign_op<double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
```

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Dst = Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, 1, -1, false>, 1,
-1, false>; Src = Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, 1,
-1, false>, 1, -1, false>; Func = Eigen::internal::swap_assign_op<double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   [ skipping 2 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable ]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LDLT.h:327:32:   required from 'static bool
Eigen::internal::ldlt_inplace<1>::unblocked(MatrixType&, TranspositionType&,
Workspace&, Eigen::internal::SignMatrix&) [with MatrixType =
Eigen::Matrix<double, -1, -1>; TranspositionType = Eigen::Transpositions<-1, -1,
int>; Workspace = Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LDLT.h:517:51:   required from
'Eigen::LDLT<MatrixType, _UpLo>& Eigen::LDLT<MatrixType, UpLo>::compute(const
Eigen::EigenBase<OtherDerived>&) [with InputType = Eigen::Matrix<double, -1,
-1>; _MatrixType = Eigen::Matrix<double, -1, -1>; int _UpLo = 1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LDLT.h:112:14:   required from
'Eigen::LDLT<MatrixType, UpLo>::LDLT(const Eigen::EigenBase<OtherDerived>&)
[with InputType = Eigen::Matrix<double, -1, -1>; _MatrixType =
Eigen::Matrix<double, -1, -1>; int _UpLo = 1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LDLT.h:664:10:   required from 'const
Eigen::LDLT<typename Eigen::DenseBase<Derived>::PlainObject>
Eigen::MatrixBase<Derived>::ldlt() const [with Derived = Eigen::Matrix<double,
-1, -1>; typename Eigen::DenseBase<Derived>::PlainObject = Eigen::Matrix<double,
-1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/err/check_pos_definite.hpp:40:63:   required from 'void
stan::math::check_pos_definite(const char*, const char*, const
Eigen::Matrix<LhsScalar, -1, -1, 0>&) [with T_y = double]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/util/validate_dense_inv_metric.hpp:23:41:
required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
```

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              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
              from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
              from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
```

```
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Block<Eig
en::Block<Eigen::Matrix<double, -1, -1>, -1, 1, true>, -1, 1, false> >,
Eigen::internal::evaluator<Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1,
-1>, -1, 1, true>, -1, 1, false> >, Eigen::internal::swap_assign_op<double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Blo
ck<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1, true>, -1, 1, false> >,
Eigen::internal::evaluator<Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1,
-1>, -1, 1, true>, -1, 1, false> >, Eigen::internal::swap_assign_op<double>, 1>'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/Swap.h:19:7:
required from 'class Eigen::internal::generic_dense_assignment_kernel<Eigen::int
ernal::evaluator<Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1,
true>, -1, 1, false> >,
Eigen::internal::evaluator<Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1,
-1>, -1, 1, true>, -1, 1, false> >, Eigen::internal::swap_assign_op<double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType =
Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1, true>, -1, 1,
false>; SrcXprType = Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>,
-1, 1, true>, -1, 1, false>; Functor = Eigen::internal::swap_assign_op<double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1,
-1>, -1, 1, true>, -1, 1, false>; SrcXprType =
Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1, true>, -1, 1,
false>; Functor = Eigen::internal::swap_assign_op<double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1, true>, -1,
1, false>; Src = Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1,
true>, -1, 1, false>; Func = Eigen::internal::swap_assign_op<double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   [ skipping 2 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable ]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LDLT.h:328:32:   required from 'static bool
Eigen::internal::ldlt_inplace<1>::unblocked(MatrixType&, TranspositionType&,
Workspace&, Eigen::internal::SignMatrix&) [with MatrixType =
Eigen::Matrix<double, -1, -1>; TranspositionType = Eigen::Transpositions<-1, -1,
```

```
int>; Workspace = Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LDLT.h:517:51:   required from
'Eigen::LDLT<MatrixType, _UpLo>& Eigen::LDLT<MatrixType, UpLo>::compute(const
Eigen::EigenBase<OtherDerived>&) [with InputType = Eigen::Matrix<double, -1,
-1>; _MatrixType = Eigen::Matrix<double, -1, -1>; int _UpLo = 1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LDLT.h:112:14:   required from
'Eigen::LDLT<MatrixType, UpLo>::LDLT(const Eigen::EigenBase<OtherDerived>&)
[with InputType = Eigen::Matrix<double, -1, -1>; _MatrixType =
Eigen::Matrix<double, -1, -1>; int _UpLo = 1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LDLT.h:664:10:   required from 'const
Eigen::LDLT<typename Eigen::DenseBase<Derived>::PlainObject>
Eigen::MatrixBase<Derived>::ldlt() const [with Derived = Eigen::Matrix<double,
-1, -1>; typename Eigen::DenseBase<Derived>::PlainObject = Eigen::Matrix<double,
-1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/err/check_pos_definite.hpp:40:63:   required from 'void
stan::math::check_pos_definite(const char*, const char*, const
Eigen::Matrix<LhsScalar, -1, -1, 0>&) [with T_y = double]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/util/validate_dense_inv_metric.hpp:23:41:
required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
```

```
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |    MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                  ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Block<Eig
en::Matrix<double, -1, -1>, -1, 1, false> >, Eigen::internal::evaluator<Eigen::C
wiseNullaryOp<Eigen::internal::scalar_constant_op<double>, Eigen::Matrix<double,
-1, 1> > >, Eigen::internal::div_assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Blo
ck<Eigen::Matrix<double, -1, -1>, -1, 1, false> >, Eigen::internal::evaluator<Ei
gen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
```

Eigen::Matrix<double, -1, 1> > >, Eigen::internal::div_assign_op<double,
double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Block<Eigen::Matrix<double, -1, -1>,
-1, 1, false>; SrcXprType =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; Functor = Eigen::internal::div_assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1,
false>; SrcXprType =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; Functor = Eigen::internal::div_assign_op<double,
double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1, false>; Src =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; Func = Eigen::internal::div_assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   [skipping 2 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LDLT.h:378:13:   required from 'static bool
Eigen::internal::ldlt_inplace<1>::unblocked(MatrixType&, TranspositionType&,
Workspace&, Eigen::internal::SignMatrix&) [with MatrixType =
Eigen::Matrix<double, -1, -1>; TranspositionType = Eigen::Transpositions<-1, -1,
int>; Workspace = Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LDLT.h:517:51:   required from
'Eigen::LDLT<MatrixType, _UpLo>& Eigen::LDLT<MatrixType, UpLo>::compute(const
Eigen::EigenBase<OtherDerived>&) [with InputType = Eigen::Matrix<double, -1,
-1>; _MatrixType = Eigen::Matrix<double, -1, -1>; int _UpLo = 1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LDLT.h:112:14:   required from
'Eigen::LDLT<MatrixType, UpLo>::LDLT(const Eigen::EigenBase<OtherDerived>&)
[with InputType = Eigen::Matrix<double, -1, -1>; _MatrixType =
Eigen::Matrix<double, -1, -1>; int _UpLo = 1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LDLT.h:664:10:   required from 'const
Eigen::LDLT<typename Eigen::DenseBase<Derived>::PlainObject>

```
Eigen::MatrixBase<Derived>::ldlt() const [with Derived = Eigen::Matrix<double,
-1, -1>; typename Eigen::DenseBase<Derived>::PlainObject = Eigen::Matrix<double,
-1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/err/check_pos_definite.hpp:40:63:   required from 'void
stan::math::check_pos_definite(const char*, const char*, const
Eigen::Matrix<LhsScalar, -1, -1, 0>&) [with T_y = double]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/util/validate_dense_inv_metric.hpp:23:41:
required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
```

packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, -1, 1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen::internal:
:scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Matrix<double, -1, 1> > >,
Eigen::internal::sub_assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<double, -1, 1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen::int
ernal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Matrix<double, -1, 1> > >,
Eigen::internal::sub_assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Matrix<double, -1, 1> >; Functor =
Eigen::internal::sub_assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei

gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Matrix<double, -1, 1> >; Functor =
Eigen::internal::sub_assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, 1>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Matrix<double, -1, 1> >; Func =
Eigen::internal::sub_assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   [skipping 2 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/lbfgs_update.hpp:94:14:   required
from 'void stan::optimization::LBFGSUpdate<Scalar,
DimAtCompile>::search_direction(stan::optimization::LBFGSUpdate<Scalar,
DimAtCompile>::VectorT&, const VectorT&) const [with Scalar = double; int
DimAtCompile = -1; stan::optimization::LBFGSUpdate<Scalar,
DimAtCompile>::VectorT = Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/bfgs.hpp:247:29:   required from 'int
stan::optimization::BFGSMinimizer<FunctorType, QNUpdateType, Scalar,
DimAtCompile>::step() [with FunctorType = stan::optimization::ModelAdaptor<anon_
model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3d
ae7fd542ccee9>; QNUpdateType = stan::optimization::LBFGSUpdate<>; Scalar =
double; int DimAtCompile = -1]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/optimize/lbfgs.hpp:123:27:   required
from 'int stan::services::optimize::lbfgs(Model&, stan::io::var_context&,
unsigned int, unsigned int, double, int, double, double, double, double, double,
double, int, bool, int, stan::callbacks::interrupt&, stan::callbacks::logger&,
stan::callbacks::writer&, stan::callbacks::writer&) [with Model = anon_model_648
0e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7fd542c
cee9]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:910:46:
required from 'int pystan::{anonymous}::command(pystan::StanArgs&, Model&,
pystan::StanHolder&, const std::vector<long unsigned int>&, const
std::vector<std::__cxx11::basic_string<char> >&, RNG_t&) [with Model = anon_mode
l_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7f
d542ccee9; RNG_t = boost::random::additive_combine_engine<boost::random::linear_
congruential_engine<unsigned int, 40014, 0, 2147483563>,

```
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:1536:22:
required from 'int pystan::stan_fit<Model,
RNG_t>::call_sampler(pystan::StanArgs&, pystan::StanHolder&) [with Model = anon_
model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3d
ae7fd542ccee9; RNG_t = boost::random::additive_combine_engine<boost::random::lin
ear_congruential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7fd542ccee9_53816003179
20641068.cpp:16014:45:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
```

```
              |                                                     ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, -1, 1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen::internal:
:scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Matrix<double, -1, 1> > >,
Eigen::internal::add_assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<double, -1, 1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen::int
ernal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Matrix<double, -1, 1> > >,
Eigen::internal::add_assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Matrix<double, -1, 1> >; Functor =
```

Eigen::internal::add_assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Matrix<double, -1, 1> >; Functor =
Eigen::internal::add_assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, 1>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Matrix<double, -1, 1> >; Func =
Eigen::internal::add_assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   [skipping 2 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/lbfgs_update.hpp:107:14:   required
from 'void stan::optimization::LBFGSUpdate<Scalar,
DimAtCompile>::search_direction(stan::optimization::LBFGSUpdate<Scalar,
DimAtCompile>::VectorT&, const VectorT&) const [with Scalar = double; int
DimAtCompile = -1; stan::optimization::LBFGSUpdate<Scalar,
DimAtCompile>::VectorT = Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/bfgs.hpp:247:29:   required from 'int
stan::optimization::BFGSMinimizer<FunctorType, QNUpdateType, Scalar,
DimAtCompile>::step() [with FunctorType = stan::optimization::ModelAdaptor<anon_
model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3d
ae7fd542ccee9>; QNUpdateType = stan::optimization::LBFGSUpdate<>; Scalar =
double; int DimAtCompile = -1]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/optimize/lbfgs.hpp:123:27:   required
from 'int stan::services::optimize::lbfgs(Model&, stan::io::var_context&,
unsigned int, unsigned int, double, int, double, double, double, double, double,
double, int, bool, int, stan::callbacks::interrupt&, stan::callbacks::logger&,
stan::callbacks::writer&, stan::callbacks::writer&) [with Model = anon_model_648
0e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7fd542c
cee9]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:910:46:
required from 'int pystan::{anonymous}::command(pystan::StanArgs&, Model&,
pystan::StanHolder&, const std::vector<long unsigned int>&, const
std::vector<std::__cxx11::basic_string<char> >&, RNG_t&) [with Model = anon_mode
l_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7f

```
d542ccee9; RNG_t = boost::random::additive_combine_engine<boost::random::linear_
congruential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:1536:22:
required from 'int pystan::stan_fit<Model,
RNG_t>::call_sampler(pystan::StanArgs&, pystan::StanHolder&) [with Model = anon_
model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3d
ae7fd542ccee9; RNG_t = boost::random::additive_combine_engine<boost::random::lin
ear_congruential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7fd542ccee9_53816003179
20641068.cpp:16014:45:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
```

```
    90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
       |                                              ^~~~~~~~~~~~~~~~~~
```
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<st
an::math::var, -1, 1> >,
Eigen::internal::evaluator<Eigen::Map<Eigen::Matrix<stan::math::var, -1, 1>, 0,
Eigen::Stride<0, 0> > >, Eigen::internal::assign_op<stan::math::var,
stan::math::var> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<stan::math::var, -1, 1> >,
Eigen::internal::evaluator<Eigen::Map<Eigen::Matrix<stan::math::var, -1, 1>, 0,
Eigen::Stride<0, 0> > >, Eigen::internal::assign_op<stan::math::var,
stan::math::var>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<stan::math::var, -1, 1>;
SrcXprType = Eigen::Map<Eigen::Matrix<stan::math::var, -1, 1>, 0,
Eigen::Stride<0, 0> >; Functor = Eigen::internal::assign_op<stan::math::var,
stan::math::var>]'

```

/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<stan::math::var, -1, 1>; SrcXprType =
Eigen::Map<Eigen::Matrix<stan::math::var, -1, 1>, 0, Eigen::Stride<0, 0> >;
Functor = Eigen::internal::assign_op<stan::math::var, stan::math::var>; Weak =
void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<stan::math::var, -1, 1>; Src =
Eigen::Map<Eigen::Matrix<stan::math::var, -1, 1>, 0, Eigen::Stride<0, 0> >; Func
= Eigen::internal::assign_op<stan::math::var, stan::math::var>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:728:41:   [ skipping 2 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable ]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:379:29:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::Matrix(const Eigen::EigenBase<OtherDerived>&) [with OtherDerived =
Eigen::Map<Eigen::Matrix<stan::math::var, -1, 1>, 0, Eigen::Stride<0, 0> >;
_Scalar = stan::math::var; int _Rows = -1; int _Cols = 1; int _Options = 0; int
_MaxRows = -1; int _MaxCols = 1]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/io/reader.hpp:232:56:   required from
'stan::io::reader<T>::vector_t stan::io::reader<T>::vector_constrain(size_t, T&)
[with T = stan::math::var; stan::io::reader<T>::vector_t =
Eigen::Matrix<stan::math::var, -1, 1>; size_t = long unsigned int]'
/tmp/tmpqn66zojf/anon_model_6480e1d1f319fa39f3dae7fd542ccee9.hpp:226:45:
required from 'T__ anon_model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_m
odel_6480e1d1f319fa39f3dae7fd542ccee9::log_prob(std::vector<T_l>&,
std::vector<int>&, std::ostream*) const [with bool propto__ = true; bool
jacobian__ = true; T__ = stan::math::var; std::ostream =
std::basic_ostream<char>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_propto.hpp:46:11:   required from
'double stan::model::log_prob_propto(const M&, std::vector<double>&,
std::vector<int>&, std::ostream*) [with bool jacobian_adjust_transform = true; M
= anon_model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319
fa39f3dae7fd542ccee9; std::ostream = std::basic_ostream<char>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:1478:52:
required from 'double pystan::stan_fit<Model,
RNG_t>::log_prob(std::vector<double>, bool, bool) [with Model = anon_model_6480e
1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7fd542cce
e9; RNG_t = boost::random::additive_combine_engine<boost::random::linear_congrue
ntial_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>

```
>]'
/tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7fd542ccee9_53816003179
20641068.cpp:22531:48:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 | MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~^~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 | MaySliceVectorize = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      | ^~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
```

```
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<st
an::math::var, -1, -1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen:
:internal::scalar_sum_op<stan::math::var, stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > > >,
Eigen::internal::assign_op<stan::math::var, stan::math::var> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<stan::math::var, -1, -1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<
Eigen::internal::scalar_sum_op<stan::math::var, stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
```

```
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > > >,
Eigen::internal::assign_op<stan::math::var, stan::math::var>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<stan::math::var, -1, -1>;
SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >; Functor =
Eigen::internal::assign_op<stan::math::var, stan::math::var>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<stan::math::var, -1, -1>; SrcXprType
= Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
```

```
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >; Functor =
Eigen::internal::assign_op<stan::math::var, stan::math::var>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<stan::math::var, -1, -1>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >; Func =
Eigen::internal::assign_op<stan::math::var, stan::math::var>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Matrix<stan::math::var, -1, -1>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
```

```
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >; Func =
Eigen::internal::assign_op<stan::math::var, stan::math::var>; typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   [ skipping 2 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable ]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:225:24:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows, _MaxCols>&
Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::operator=(const Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
Eigen::Matrix<stan::math::var, -1, -1> > >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, -1> >, const
```

```
Eigen::Matrix<stan::math::var, -1, -1> > >; _Scalar = stan::math::var; int _Rows
= -1; int _Cols = -1; int _Options = 0; int _MaxRows = -1; int _MaxCols = -1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/fun/MatrixExponential.h:150:7:   required from 'void
Eigen::matrix_exp_pade13(const MatrixType&, MatrixType&, MatrixType&) [with
MatrixType = Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/fun/MatrixExponential.h:202:24:   required from 'static void
Eigen::matrix_exp_computeUV<MatrixType>::run(const MatrixType&, MatrixType&,
MatrixType&, int&, T) [with T = stan::math::var; MatrixType =
Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/fun/matrix_exp_pade.hpp:23:47:   required from 'MatrixType
stan::math::matrix_exp_pade(const MatrixType&) [with MatrixType =
Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/matrix_exp.hpp:30:31:
required from 'Eigen::Matrix<LhsScalar, -1, -1, 0> stan::math::matrix_exp(const
Eigen::Matrix<LhsScalar, -1, -1, 0>&) [with T = stan::math::var]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/rev/mat/fun/matrix_exp_multiply.hpp:71:21:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
```

```
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                    from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                    from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, -1, 1> >, Eigen::internal::evaluator<Eigen::Diagonal<Eigen::Matrix<double,
-1, -1>, 0> >, Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<double, -1, 1> >,
Eigen::internal::evaluator<Eigen::Diagonal<Eigen::Matrix<double, -1, -1>, 0> >,
Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
```

const Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::Diagonal<Eigen::Matrix<double, -1, -1>, 0>; Functor =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::Diagonal<Eigen::Matrix<double, -1, -1>, 0>; Functor =
Eigen::internal::assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, 1>; Src = Eigen::Diagonal<Eigen::Matrix<double,
-1, -1>, 0>; Func = Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Matrix<double, -1, 1>; Src = Eigen::Diagonal<Eigen::Matrix<double, -1,
-1>, 0>; Func = Eigen::internal::assign_op<double, double>; typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   [skipping 2 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:225:24:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows, _MaxCols>&
Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::operator=(const Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::Diagonal<Eigen::Matrix<double, -1, -1>, 0>; _Scalar = double; int _Rows =
-1; int _Cols = 1; int _Options = 0; int _MaxRows = -1; int _MaxCols = 1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:446:10:   required from
'static void Eigen::internal::tridiagonalization_inplace_selector<MatrixType,
Size, IsComplex>::run(MatrixType&, DiagonalType&, SubDiagonalType&, bool) [with
DiagonalType = Eigen::Matrix<double, -1, 1>; SubDiagonalType =
Eigen::Matrix<double, -1, 1>; MatrixType = Eigen::Matrix<double, -1, -1>; int
Size = -1; bool IsComplex = false]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:430:55:   required from
'void Eigen::internal::tridiagonalization_inplace(MatrixType&, DiagonalType&,
SubDiagonalType&, bool) [with MatrixType = Eigen::Matrix<double, -1, -1>;
DiagonalType = Eigen::Matrix<double, -1, 1>; SubDiagonalType =

```
Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:437:39:   required from
'Eigen::SelfAdjointEigenSolver<MatrixType>&
Eigen::SelfAdjointEigenSolver<_MatrixType>::compute(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:168:14:   required from
'Eigen::SelfAdjointEigenSolver<_MatrixType>::SelfAdjointEigenSolver(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/newton.hpp:21:55:   required from
here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |      MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
```

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boolean context [-Wint-in-bool-context]
   90 |      MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, -1, 1> >, Eigen::internal::evaluator<Eigen::Diagonal<Eigen::Matrix<double,
-1, -1>, -1> >, Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<double, -1, 1> >,
Eigen::internal::evaluator<Eigen::Diagonal<Eigen::Matrix<double, -1, -1>, -1> >,
Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::Diagonal<Eigen::Matrix<double, -1, -1>, -1>; Functor =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
```

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Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::Diagonal<Eigen::Matrix<double, -1, -1>, -1>; Functor =
Eigen::internal::assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, 1>; Src = Eigen::Diagonal<Eigen::Matrix<double,
-1, -1>, -1>; Func = Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Matrix<double, -1, 1>; Src = Eigen::Diagonal<Eigen::Matrix<double, -1,
-1>, -1>; Func = Eigen::internal::assign_op<double, double>; typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   [ skipping 2 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable ]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:225:24:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows, _MaxCols>&
Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::operator=(const Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::Diagonal<Eigen::Matrix<double, -1, -1>, -1>; _Scalar = double; int _Rows
= -1; int _Cols = 1; int _Options = 0; int _MaxRows = -1; int _MaxCols = 1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:447:13:   required from
'static void Eigen::internal::tridiagonalization_inplace_selector<MatrixType,
Size, IsComplex>::run(MatrixType&, DiagonalType&, SubDiagonalType&, bool) [with
DiagonalType = Eigen::Matrix<double, -1, 1>; SubDiagonalType =
Eigen::Matrix<double, -1, 1>; MatrixType = Eigen::Matrix<double, -1, -1>; int
Size = -1; bool IsComplex = false]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:430:55:   required from
'void Eigen::internal::tridiagonalization_inplace(MatrixType&, DiagonalType&,
SubDiagonalType&, bool) [with MatrixType = Eigen::Matrix<double, -1, -1>;
DiagonalType = Eigen::Matrix<double, -1, 1>; SubDiagonalType =
Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:437:39:   required from
'Eigen::SelfAdjointEigenSolver<MatrixType>&
Eigen::SelfAdjointEigenSolver<_MatrixType>::compute(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
```

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-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:168:14:   required from
'Eigen::SelfAdjointEigenSolver<_MatrixType>::SelfAdjointEigenSolver(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/newton.hpp:21:55:   required from
here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
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                       from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                       from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                       from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                       from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                       from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                       from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                       from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                       from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                       from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                       from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                       from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Block<Eig
en::Matrix<double, -1, 1>, -1, 1, false> >,
Eigen::internal::evaluator<Eigen::Product<Eigen::DiagonalWrapper<const
Eigen::Block<Eigen::Diagonal<Eigen::Matrix<double, -1, -1>, 0>, -1, 1, false> >,
Eigen::Transpose<const Eigen::Block<Eigen::Matrix<double, -1, -1>, 1, -1, false>
>, 1> >, Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Blo
ck<Eigen::Matrix<double, -1, 1>, -1, 1, false> >,
Eigen::internal::evaluator<Eigen::Product<Eigen::DiagonalWrapper<const
Eigen::Block<Eigen::Diagonal<Eigen::Matrix<double, -1, -1>, 0>, -1, 1, false> >,
Eigen::Transpose<const Eigen::Block<Eigen::Matrix<double, -1, -1>, 1, -1, false>
>, 1> >, Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Block<Eigen::Matrix<double, -1, 1>,
-1, 1, false>; SrcXprType = Eigen::Product<Eigen::DiagonalWrapper<const
Eigen::Block<Eigen::Diagonal<Eigen::Matrix<double, -1, -1>, 0>, -1, 1, false> >,
Eigen::Transpose<const Eigen::Block<Eigen::Matrix<double, -1, -1>, 1, -1, false>
>, 1>; Functor = Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
```

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```
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Block<Eigen::Matrix<double, -1, 1>, -1, 1,
false>; SrcXprType = Eigen::Product<Eigen::DiagonalWrapper<const
Eigen::Block<Eigen::Diagonal<Eigen::Matrix<double, -1, -1>, 0>, -1, 1, false> >,
Eigen::Transpose<const Eigen::Block<Eigen::Matrix<double, -1, -1>, 1, -1, false>
>, 1>; Functor = Eigen::internal::assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Block<Eigen::Matrix<double, -1, 1>, -1, 1, false>; Src =
Eigen::Product<Eigen::DiagonalWrapper<const
Eigen::Block<Eigen::Diagonal<Eigen::Matrix<double, -1, -1>, 0>, -1, 1, false> >,
Eigen::Transpose<const Eigen::Block<Eigen::Matrix<double, -1, -1>, 1, -1, false>
>, 1>; Func = Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Block<Eigen::Matrix<double, -1, 1>, -1, 1, false>; Src =
Eigen::Product<Eigen::DiagonalWrapper<const
Eigen::Block<Eigen::Diagonal<Eigen::Matrix<double, -1, -1>, 0>, -1, 1, false> >,
Eigen::Transpose<const Eigen::Block<Eigen::Matrix<double, -1, -1>, 1, -1, false>
>, 1>; Func = Eigen::internal::assign_op<double, double>; typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   [ skipping 2 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable ]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LDLT.h:351:22:   required from 'static bool
Eigen::internal::ldlt_inplace<1>::unblocked(MatrixType&, TranspositionType&,
Workspace&, Eigen::internal::SignMatrix&) [with MatrixType =
Eigen::Matrix<double, -1, -1>; TranspositionType = Eigen::Transpositions<-1, -1,
int>; Workspace = Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LDLT.h:517:51:   required from
'Eigen::LDLT<MatrixType, _UpLo>& Eigen::LDLT<MatrixType, UpLo>::compute(const
Eigen::EigenBase<OtherDerived>&) [with InputType = Eigen::Matrix<double, -1,
-1>; _MatrixType = Eigen::Matrix<double, -1, -1>; int _UpLo = 1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LDLT.h:112:14:   required from
'Eigen::LDLT<MatrixType, UpLo>::LDLT(const Eigen::EigenBase<OtherDerived>&)
[with InputType = Eigen::Matrix<double, -1, -1>; _MatrixType =
Eigen::Matrix<double, -1, -1>; int _UpLo = 1]'
```

```
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LDLT.h:664:10:   required from 'const
Eigen::LDLT<typename Eigen::DenseBase<Derived>::PlainObject>
Eigen::MatrixBase<Derived>::ldlt() const [with Derived = Eigen::Matrix<double,
-1, -1>; typename Eigen::DenseBase<Derived>::PlainObject = Eigen::Matrix<double,
-1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/err/check_pos_definite.hpp:40:63:   required from 'void
stan::math::check_pos_definite(const char*, const char*, const
Eigen::Matrix<LhsScalar, -1, -1, 0>&) [with T_y = double]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/util/validate_dense_inv_metric.hpp:23:41:
required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
```

```
bool(DstHasDirectAccess)
     |                                         ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Block<Eig
en::Matrix<double, -1, -1>, -1, -1, false> >,
Eigen::internal::evaluator<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1,
false> >, Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Blo
ck<Eigen::Matrix<double, -1, -1>, -1, -1, false> >,
Eigen::internal::evaluator<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1,
false> >, Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Block<Eigen::Matrix<double, -1, -1>,
-1, -1, false>; SrcXprType = Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1,
false>; Functor = Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
```

Functor&) [with DstXprType = Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1,
false>; SrcXprType = Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>;
Functor = Eigen::internal::assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>; Src =
Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>; Func =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>; Src =
Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>; Func =
Eigen::internal::assign_op<double, double>; typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   [skipping 3 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/Block.h:341:5:
required from 'Eigen::internal::BlockImpl_dense<XprType, BlockRows, BlockCols,
InnerPanel, true>& Eigen::internal::BlockImpl_dense<XprType, BlockRows,
BlockCols, InnerPanel, true>::operator=(const
Eigen::internal::BlockImpl_dense<XprType, BlockRows, BlockCols, InnerPanel,
true>&) [with XprType = Eigen::Matrix<double, -1, -1>; int BlockRows = -1; int
BlockCols = -1; bool InnerPanel = false]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/Block.h:161:5:
required from 'Eigen::BlockImpl<XprType, BlockRows, BlockCols, InnerPanel,
Eigen::Dense>& Eigen::BlockImpl<XprType, BlockRows, BlockCols, InnerPanel,
Eigen::Dense>::operator=(const Eigen::BlockImpl<XprType, BlockRows, BlockCols,
InnerPanel, Eigen::Dense>&) [with XprType = Eigen::Matrix<double, -1, -1>; int
BlockRows = -1; int BlockCols = -1; bool InnerPanel = false]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/Block.h:111:5:
required from 'Eigen::Block<XprType, BlockRows, BlockCols, InnerPanel>&
Eigen::Block<XprType, BlockRows, BlockCols, InnerPanel>::operator=(const
Eigen::Block<XprType, BlockRows, BlockCols, InnerPanel>&) [with XprType =
Eigen::Matrix<double, -1, -1>; int BlockRows = -1; int BlockCols = -1; bool
InnerPanel = false]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/SolveTriangular.h:182:11:   required from 'void

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```
Eigen::TriangularViewImpl<_MatrixType, _Mode, Eigen::Dense>::solveInPlace(const
Eigen::MatrixBase<OtherDerived>&) const [with int Side = 1; OtherDerived =
Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>; _MatrixType =
Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>; unsigned int _Mode =
2]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/TriangularMatrix.h:511:37:   required from 'void
Eigen::TriangularViewImpl<_MatrixType, _Mode, Eigen::Dense>::solveInPlace(const
Eigen::MatrixBase<OtherDerived>&) const [with OtherDerived =
Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>; _MatrixType =
Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>; unsigned int _Mode =
2]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/rev/mat/fun/cholesky_decompose.hpp:77:43:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
```

```
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                               ^~~~~~~~~~~~~~~~~~
```

In file included from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::internal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<stan::math::var, -1, -1> >,
Eigen::internal::evaluator<Eigen::Product<Eigen::Matrix<stan::math::var, -1, -1>, Eigen::Matrix<stan::math::var, -1, -1>, 1> >,
Eigen::internal::assign_op<stan::math::var, stan::math::var> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen::internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Matrix<stan::math::var, -1, -1> >,
Eigen::internal::evaluator<Eigen::Product<Eigen::Matrix<stan::math::var, -1, -1>, Eigen::Matrix<stan::math::var, -1, -1>, 1> >,
Eigen::internal::assign_op<stan::math::var, stan::math::var>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&, const Functor&) [with DstXprType = Eigen::Matrix<stan::math::var, -1, -1>; SrcXprType = Eigen::Product<Eigen::Matrix<stan::math::var, -1, -1>, Eigen::Matrix<stan::math::var, -1, -1>, 1>; Functor = Eigen::internal::assign_op<stan::math::var, stan::math::var>]'

/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<stan::math::var, -1, -1>; SrcXprType
= Eigen::Product<Eigen::Matrix<stan::math::var, -1, -1>,
Eigen::Matrix<stan::math::var, -1, -1>, 1>; Functor =
Eigen::internal::assign_op<stan::math::var, stan::math::var>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<stan::math::var, -1, -1>; Src =
Eigen::Product<Eigen::Matrix<stan::math::var, -1, -1>,
Eigen::Matrix<stan::math::var, -1, -1>, 1>; Func =
Eigen::internal::assign_op<stan::math::var, stan::math::var>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/ProductEvaluators.h:391:29:   required from 'static
void Eigen::internal::generic_product_impl<Lhs, Rhs, Eigen::DenseShape,
Eigen::DenseShape, 3>::evalTo(Dst&, const Lhs&, const Rhs&) [with Dst =
Eigen::Matrix<stan::math::var, -1, -1>; Lhs = Eigen::Matrix<stan::math::var, -1,
-1>; Rhs = Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/products/GeneralMatrixMatrix.h:431:26:   [skipping 3
instantiation contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/NoAlias.h:42:31:   required from 'ExpressionType&
Eigen::NoAlias<ExpressionType, StorageBase>::operator=(const
StorageBase<OtherDerived>&) [with OtherDerived =
Eigen::Product<Eigen::Matrix<stan::math::var, -1, -1>,
Eigen::Matrix<stan::math::var, -1, -1>, 0>; ExpressionType =
Eigen::Matrix<stan::math::var, -1, -1>; StorageBase = Eigen::MatrixBase]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/fun/MatrixExponential.h:71:17:   required from 'void
Eigen::matrix_exp_pade3(const MatrixType&, MatrixType&, MatrixType&) [with
MatrixType = Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/fun/MatrixExponential.h:190:23:   required from 'static void
Eigen::matrix_exp_computeUV<MatrixType>::run(const MatrixType&, MatrixType&,
MatrixType&, int&, T) [with T = stan::math::var; MatrixType =
Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/fun/matrix_exp_pade.hpp:23:47:   required from 'MatrixType
stan::math::matrix_exp_pade(const MatrixType&) [with MatrixType =
Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/matrix_exp.hpp:30:31:
required from 'Eigen::Matrix<LhsScalar, -1, -1, 0> stan::math::matrix_exp(const
Eigen::Matrix<LhsScalar, -1, -1, 0>&) [with T = stan::math::var]'

```
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/rev/mat/fun/matrix_exp_multiply.hpp:71:21:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
```

```
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Map<Eigen
::Matrix<double, -1, 1>, 0, Eigen::Stride<0, 0> > >, Eigen::internal::evaluator<
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<double, double>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Block<const
Eigen::Block<Eigen::Matrix<double, -1, 1>, -1, 1, false>, -1, 1, false> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Block<const
Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1, true>, -1, 1,
false>, -1, 1, false> > >, Eigen::internal::add_assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Map
<Eigen::Matrix<double, -1, 1>, 0, Eigen::Stride<0, 0> > >, Eigen::internal::eval
uator<Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<double, double>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Block<const
Eigen::Block<Eigen::Matrix<double, -1, 1>, -1, 1, false>, -1, 1, false> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Block<const
Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1, true>, -1, 1,
false>, -1, 1, false> > >, Eigen::internal::add_assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Map<Eigen::Matrix<double, -1, 1>, 0,
Eigen::Stride<0, 0> >; SrcXprType =
```

```
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<double, double>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Block<const
Eigen::Block<Eigen::Matrix<double, -1, 1>, -1, 1, false>, -1, 1, false> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Block<const
Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1, true>, -1, 1,
false>, -1, 1, false> > >; Functor = Eigen::internal::add_assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Map<Eigen::Matrix<double, -1, 1>, 0,
Eigen::Stride<0, 0> >; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<double, double>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Block<const
Eigen::Block<Eigen::Matrix<double, -1, 1>, -1, 1, false>, -1, 1, false> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Block<const
Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1, true>, -1, 1,
false>, -1, 1, false> > >; Functor = Eigen::internal::add_assign_op<double,
double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Map<Eigen::Matrix<double, -1, 1>, 0, Eigen::Stride<0, 0> >; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<double, double>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Block<const
Eigen::Block<Eigen::Matrix<double, -1, 1>, -1, 1, false>, -1, 1, false> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Block<const
Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1, true>, -1, 1,
false>, -1, 1, false> > >; Func = Eigen::internal::add_assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
```

```
= Eigen::Map<Eigen::Matrix<double, -1, 1>, 0, Eigen::Stride<0, 0> >; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<double, double>, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Block<const
Eigen::Block<Eigen::Matrix<double, -1, 1>, -1, 1, false>, -1, 1, false> >, const
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Block<const
Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1, true>, -1, 1,
false>, -1, 1, false> > >; Func = Eigen::internal::add_assign_op<double,
double>; typename Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/CwiseBinaryOp.h:177:18:   [ skipping 3 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable ]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:373:18:   required from
'void Eigen::internal::tridiagonalization_inplace(MatrixType&, CoeffVectorType&)
[with MatrixType = Eigen::Matrix<double, -1, -1>; CoeffVectorType =
Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:445:31:   required from
'static void Eigen::internal::tridiagonalization_inplace_selector<MatrixType,
Size, IsComplex>::run(MatrixType&, DiagonalType&, SubDiagonalType&, bool) [with
DiagonalType = Eigen::Matrix<double, -1, 1>; SubDiagonalType =
Eigen::Matrix<double, -1, 1>; MatrixType = Eigen::Matrix<double, -1, -1>; int
Size = -1; bool IsComplex = false]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:430:55:   required from
'void Eigen::internal::tridiagonalization_inplace(MatrixType&, DiagonalType&,
SubDiagonalType&, bool) [with MatrixType = Eigen::Matrix<double, -1, -1>;
DiagonalType = Eigen::Matrix<double, -1, 1>; SubDiagonalType =
Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:437:39:   required from
'Eigen::SelfAdjointEigenSolver<MatrixType>&
Eigen::SelfAdjointEigenSolver<_MatrixType>::compute(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:168:14:   required from
'Eigen::SelfAdjointEigenSolver<_MatrixType>::SelfAdjointEigenSolver(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-
```

packages/pystan/stan/src/stan/optimization/newton.hpp:21:55:   required from
here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 | MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~^~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 | MaySliceVectorize = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      | ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-

packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, -1, -1> >, Eigen::internal::evaluator<Eigen::Matrix<double, -1, -1, 1, -1,
-1> >, Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<double, -1, -1> >, Eigen::internal::evaluator<Eigen::Matrix<double, -1, -1,
1, -1, -1> >, Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<double, -1, -1>; SrcXprType =
Eigen::Matrix<double, -1, -1, 1, -1, -1>; Functor =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<double, -1, -1>; SrcXprType =
Eigen::Matrix<double, -1, -1, 1, -1, -1>; Functor =
Eigen::internal::assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, -1>; Src = Eigen::Matrix<double, -1, -1, 1, -1,
-1>; Func = Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:797:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename Eigen::
internal::enable_if<Eigen::internal::evaluator_assume_aliasing<Src>::value,
void*>::type) [with Dst = Eigen::Matrix<double, -1, -1>; Src =

```
Eigen::Product<Eigen::Product<Eigen::Matrix<double, -1, -1>,
Eigen::Matrix<double, -1, -1>, 0>, Eigen::Transpose<Eigen::Matrix<double, -1,
-1> >, 0>; Func = Eigen::internal::assign_op<double, double>; typename Eigen::in
ternal::enable_if<Eigen::internal::evaluator_assume_aliasing<Src>::value,
void*>::type = void*; typename
Eigen::internal::evaluator_traits<SrcXprType>::Shape = Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   [ skipping 3 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable ]
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/bfgs_update.hpp:41:15:   required
from 'Scalar stan::optimization::BFGSUpdate_HInv<Scalar,
DimAtCompile>::update(const VectorT&, const VectorT&, bool) [with Scalar =
double; int DimAtCompile = -1; stan::optimization::BFGSUpdate_HInv<Scalar,
DimAtCompile>::VectorT = Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/bfgs.hpp:239:37:   required from 'int
stan::optimization::BFGSMinimizer<FunctorType, QNUpdateType, Scalar,
DimAtCompile>::step() [with FunctorType = stan::optimization::ModelAdaptor<anon_
model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3d
ae7fd542ccee9>; QNUpdateType = stan::optimization::BFGSUpdate_HInv<>; Scalar =
double; int DimAtCompile = -1]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/optimize/bfgs.hpp:121:26:   required from
'int stan::services::optimize::bfgs(Model&, stan::io::var_context&, unsigned
int, unsigned int, double, double, double, double, double, double, double, int,
bool, int, stan::callbacks::interrupt&, stan::callbacks::logger&,
stan::callbacks::writer&, stan::callbacks::writer&) [with Model = anon_model_648
0e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7fd542c
cee9]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:886:45:
required from 'int pystan::{anonymous}::command(pystan::StanArgs&, Model&,
pystan::StanHolder&, const std::vector<long unsigned int>&, const
std::vector<std::__cxx11::basic_string<char> >&, RNG_t&) [with Model = anon_mode
l_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7f
d542ccee9; RNG_t = boost::random::additive_combine_engine<boost::random::linear_
congruential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:1536:22:
required from 'int pystan::stan_fit<Model,
RNG_t>::call_sampler(pystan::StanArgs&, pystan::StanHolder&) [with Model = anon_
model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3d
ae7fd542ccee9; RNG_t = boost::random::additive_combine_engine<boost::random::lin
ear_congruential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7fd542ccee9_53816003179
```

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20641068.cpp:16014:45:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                 ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
```

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                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, -1, -1> >, Eigen::internal::evaluator<Eigen::CwiseNullaryOp<Eigen::interna
l::scalar_constant_op<double>, Eigen::Matrix<double, -1, -1> > >,
Eigen::internal::div_assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<double, -1, -1> >, Eigen::internal::evaluator<Eigen::CwiseNullaryOp<Eigen::i
nternal::scalar_constant_op<double>, Eigen::Matrix<double, -1, -1> > >,
Eigen::internal::div_assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<double, -1, -1>; SrcXprType =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, -1> >; Functor =
Eigen::internal::div_assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<double, -1, -1>; SrcXprType =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, -1> >; Functor =
Eigen::internal::div_assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, -1>; Src =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, -1> >; Func = Eigen::internal::div_assign_op<double,
double>]'
```

/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Matrix<double, -1, -1>; Src =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, -1> >; Func = Eigen::internal::div_assign_op<double,
double>; typename Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/SelfCwiseBinaryOp.h:45:28:   [skipping 3 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/variational/advi.hpp:240:15:   required from
'double stan::variational::advi<Model, Q, BaseRNG>::adapt_eta(Q&, int,
stan::callbacks::logger&) const [with Model = anon_model_6480e1d1f319fa39f3dae7f
d542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7fd542ccee9; Q =
stan::variational::normal_fullrank; BaseRNG = boost::random::additive_combine_en
gine<boost::random::linear_congruential_engine<unsigned int, 40014, 0,
2147483563>, boost::random::linear_congruential_engine<unsigned int, 40692, 0,
2147483399> >]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/variational/advi.hpp:497:17:   required from 'int
stan::variational::advi<Model, Q, BaseRNG>::run(double, bool, int, double, int,
stan::callbacks::logger&, stan::callbacks::writer&, stan::callbacks::writer&)
const [with Model = anon_model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_
model_6480e1d1f319fa39f3dae7fd542ccee9; Q = stan::variational::normal_fullrank;
BaseRNG = boost::random::additive_combine_engine<boost::random::linear_congruent
ial_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/experimental/advi/fullrank.hpp:85:23:
required from 'int stan::services::experimental::advi::fullrank(Model&,
stan::io::var_context&, unsigned int, unsigned int, double, int, int, int,
double, double, bool, int, int, int, stan::callbacks::interrupt&,
stan::callbacks::logger&, stan::callbacks::writer&, stan::callbacks::writer&,
stan::callbacks::writer&) [with Model = anon_model_6480e1d1f319fa39f3dae7fd542cc
ee9_namespace::anon_model_6480e1d1f319fa39f3dae7fd542ccee9]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:1266:23:
required from 'int pystan::{anonymous}::command(pystan::StanArgs&, Model&,
pystan::StanHolder&, const std::vector<long unsigned int>&, const
std::vector<std::__cxx11::basic_string<char> >&, RNG_t&) [with Model = anon_mode
l_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7f
d542ccee9; RNG_t = boost::random::additive_combine_engine<boost::random::linear_

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congruential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:1536:22:
required from 'int pystan::stan_fit<Model,
RNG_t>::call_sampler(pystan::StanArgs&, pystan::StanHolder&) [with Model = anon_
model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3d
ae7fd542ccee9; RNG_t = boost::random::additive_combine_engine<boost::random::lin
ear_congruential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7fd542ccee9_53816003179
20641068.cpp:16014:45:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
```

```
bool(DstHasDirectAccess)
     |                                              ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::ArrayWrap
per<Eigen::Diagonal<Eigen::Matrix<double, -1, -1>, 0> > >, Eigen::internal::eval
uator<Eigen::CwiseUnaryOp<Eigen::internal::scalar_inverse_op<double>, const
Eigen::ArrayWrapper<const Eigen::Diagonal<const Eigen::Matrix<double, -1, -1>,
0> > > >, Eigen::internal::add_assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Arr
ayWrapper<Eigen::Diagonal<Eigen::Matrix<double, -1, -1>, 0> > >, Eigen::internal
::evaluator<Eigen::CwiseUnaryOp<Eigen::internal::scalar_inverse_op<double>,
const Eigen::ArrayWrapper<const Eigen::Diagonal<const Eigen::Matrix<double, -1,
-1>, 0> > > >, Eigen::internal::add_assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType =
Eigen::ArrayWrapper<Eigen::Diagonal<Eigen::Matrix<double, -1, -1>, 0> >;
SrcXprType = Eigen::CwiseUnaryOp<Eigen::internal::scalar_inverse_op<double>,
const Eigen::ArrayWrapper<const Eigen::Diagonal<const Eigen::Matrix<double, -1,
-1>, 0> > >; Functor = Eigen::internal::add_assign_op<double, double>]'
```

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/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType =
Eigen::ArrayWrapper<Eigen::Diagonal<Eigen::Matrix<double, -1, -1>, 0> >;
SrcXprType = Eigen::CwiseUnaryOp<Eigen::internal::scalar_inverse_op<double>,
const Eigen::ArrayWrapper<const Eigen::Diagonal<const Eigen::Matrix<double, -1,
-1>, 0> > >; Functor = Eigen::internal::add_assign_op<double, double>; Weak =
void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::ArrayWrapper<Eigen::Diagonal<Eigen::Matrix<double, -1, -1>, 0> >;
Src = Eigen::CwiseUnaryOp<Eigen::internal::scalar_inverse_op<double>, const
Eigen::ArrayWrapper<const Eigen::Diagonal<const Eigen::Matrix<double, -1, -1>,
0> > >; Func = Eigen::internal::add_assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::ArrayWrapper<Eigen::Diagonal<Eigen::Matrix<double, -1, -1>, 0> >; Src =
Eigen::CwiseUnaryOp<Eigen::internal::scalar_inverse_op<double>, const
Eigen::ArrayWrapper<const Eigen::Diagonal<const Eigen::Matrix<double, -1, -1>,
0> > >; Func = Eigen::internal::add_assign_op<double, double>; typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/ArrayBase.h:194:18:   [skipping 3 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/variational/advi.hpp:240:15:   required from
'double stan::variational::advi<Model, Q, BaseRNG>::adapt_eta(Q&, int,
stan::callbacks::logger&) const [with Model = anon_model_6480e1d1f319fa39f3dae7f
d542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7fd542ccee9; Q =
stan::variational::normal_fullrank; BaseRNG = boost::random::additive_combine_en
gine<boost::random::linear_congruential_engine<unsigned int, 40014, 0,
2147483563>, boost::random::linear_congruential_engine<unsigned int, 40692, 0,
2147483399> >]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/variational/advi.hpp:497:17:   required from 'int
stan::variational::advi<Model, Q, BaseRNG>::run(double, bool, int, double, int,
stan::callbacks::logger&, stan::callbacks::writer&, stan::callbacks::writer&)
const [with Model = anon_model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_
model_6480e1d1f319fa39f3dae7fd542ccee9; Q = stan::variational::normal_fullrank;

```
BaseRNG = boost::random::additive_combine_engine<boost::random::linear_congruent
ial_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/experimental/advi/fullrank.hpp:85:23:
required from 'int stan::services::experimental::advi::fullrank(Model&,
stan::io::var_context&, unsigned int, unsigned int, double, int, int, int,
double, double, bool, int, int, int, stan::callbacks::interrupt&,
stan::callbacks::logger&, stan::callbacks::writer&, stan::callbacks::writer&,
stan::callbacks::writer&) [with Model = anon_model_6480e1d1f319fa39f3dae7fd542cc
ee9_namespace::anon_model_6480e1d1f319fa39f3dae7fd542ccee9]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:1266:23:
required from 'int pystan::{anonymous}::command(pystan::StanArgs&, Model&,
pystan::StanHolder&, const std::vector<long unsigned int>&, const
std::vector<std::__cxx11::basic_string<char> >&, RNG_t&) [with Model = anon_mode
l_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7f
d542ccee9; RNG_t = boost::random::additive_combine_engine<boost::random::linear_
congruential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:1536:22:
required from 'int pystan::stan_fit<Model,
RNG_t>::call_sampler(pystan::StanArgs&, pystan::StanHolder&) [with Model = anon_
model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3d
ae7fd542ccee9; RNG_t = boost::random::additive_combine_engine<boost::random::lin
ear_congruential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7fd542ccee9_53816003179
20641068.cpp:16014:45:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
```

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                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::ArrayWrap
per<Eigen::Matrix<double, -1, 1> > >, Eigen::internal::evaluator<Eigen::CwiseBin
```

aryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::ArrayWrapper<Eigen::Matrix<double, -1, 1> >, const
Eigen::ArrayWrapper<Eigen::Matrix<double, -1, 1> > > >,
Eigen::internal::add_assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Arr
ayWrapper<Eigen::Matrix<double, -1, 1> > >, Eigen::internal::evaluator<Eigen::Cw
iseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::ArrayWrapper<Eigen::Matrix<double, -1, 1> >, const
Eigen::ArrayWrapper<Eigen::Matrix<double, -1, 1> > > >,
Eigen::internal::add_assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::ArrayWrapper<Eigen::Matrix<double, -1,
1> >; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::ArrayWrapper<Eigen::Matrix<double, -1, 1> >, const
Eigen::ArrayWrapper<Eigen::Matrix<double, -1, 1> > >; Functor =
Eigen::internal::add_assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::ArrayWrapper<Eigen::Matrix<double, -1, 1> >;
SrcXprType = Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double,
double>, const Eigen::ArrayWrapper<Eigen::Matrix<double, -1, 1> >, const
Eigen::ArrayWrapper<Eigen::Matrix<double, -1, 1> > >; Functor =
Eigen::internal::add_assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::ArrayWrapper<Eigen::Matrix<double, -1, 1> >; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::ArrayWrapper<Eigen::Matrix<double, -1, 1> >, const
Eigen::ArrayWrapper<Eigen::Matrix<double, -1, 1> > >; Func =
Eigen::internal::add_assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::ArrayWrapper<Eigen::Matrix<double, -1, 1> >; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::ArrayWrapper<Eigen::Matrix<double, -1, 1> >, const
Eigen::ArrayWrapper<Eigen::Matrix<double, -1, 1> > >; Func =
Eigen::internal::add_assign_op<double, double>; typename

```
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/ArrayBase.h:194:18:   [ skipping 3 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable ]
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/variational/advi.hpp:240:15:   required from
'double stan::variational::advi<Model, Q, BaseRNG>::adapt_eta(Q&, int,
stan::callbacks::logger&) const [with Model = anon_model_6480e1d1f319fa39f3dae7f
d542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7fd542ccee9; Q =
stan::variational::normal_meanfield; BaseRNG = boost::random::additive_combine_e
ngine<boost::random::linear_congruential_engine<unsigned int, 40014, 0,
2147483563>, boost::random::linear_congruential_engine<unsigned int, 40692, 0,
2147483399> >]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/variational/advi.hpp:497:17:   required from 'int
stan::variational::advi<Model, Q, BaseRNG>::run(double, bool, int, double, int,
stan::callbacks::logger&, stan::callbacks::writer&, stan::callbacks::writer&)
const [with Model = anon_model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_
model_6480e1d1f319fa39f3dae7fd542ccee9; Q = stan::variational::normal_meanfield;
BaseRNG = boost::random::additive_combine_engine<boost::random::linear_congruent
ial_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/experimental/advi/meanfield.hpp:85:23:
required from 'int stan::services::experimental::advi::meanfield(Model&,
stan::io::var_context&, unsigned int, unsigned int, double, int, int, int,
double, double, bool, int, int, int, stan::callbacks::interrupt&,
stan::callbacks::logger&, stan::callbacks::writer&, stan::callbacks::writer&,
stan::callbacks::writer&) [with Model = anon_model_6480e1d1f319fa39f3dae7fd542cc
ee9_namespace::anon_model_6480e1d1f319fa39f3dae7fd542ccee9]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:1276:24:
required from 'int pystan::{anonymous}::command(pystan::StanArgs&, Model&,
pystan::StanHolder&, const std::vector<long unsigned int>&, const
std::vector<std::__cxx11::basic_string<char> >&, RNG_t&) [with Model = anon_mode
l_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7f
d542ccee9; RNG_t = boost::random::additive_combine_engine<boost::random::linear_
congruential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:1536:22:
required from 'int pystan::stan_fit<Model,
RNG_t>::call_sampler(pystan::StanArgs&, pystan::StanHolder&) [with Model = anon_
model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3d
ae7fd542ccee9; RNG_t = boost::random::additive_combine_engine<boost::random::lin
```

```
ear_congruential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7fd542ccee9_53816003179
20641068.cpp:16014:45:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
```

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                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, 4, 4> >, Eigen::internal::evaluator<Eigen::CwiseNullaryOp<Eigen::internal:
:scalar_constant_op<double>, Eigen::Matrix<double, 4, 4> > >,
Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<double, 4, 4> >, Eigen::internal::evaluator<Eigen::CwiseNullaryOp<Eigen::int
ernal::scalar_constant_op<double>, Eigen::Matrix<double, 4, 4> > >,
Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<double, 4, 4>; SrcXprType =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, 4, 4> >; Functor = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<double, 4, 4>; SrcXprType =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, 4, 4> >; Functor = Eigen::internal::assign_op<double,
double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
```

```
Dst = Eigen::Matrix<double, 4, 4>; Src =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, 4, 4> >; Func = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Matrix<double, 4, 4>; Src =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, 4, 4> >; Func = Eigen::internal::assign_op<double,
double>; typename Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   [ skipping 4 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable ]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/CwiseNullaryOp.h:501:10:   required from 'Derived&
Eigen::DenseBase<Derived>::setZero() [with Derived = Eigen::Matrix<double, 4,
4>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/products/GeneralMatrixMatrixTriangular.h:167:23:
required from 'void Eigen::internal::tribb_kernel<LhsScalar, RhsScalar, Index,
mr, nr, ConjLhs, ConjRhs,
UpLo>::operator()(Eigen::internal::tribb_kernel<LhsScalar, RhsScalar, Index, mr,
nr, ConjLhs, ConjRhs, UpLo>::ResScalar*, Index, const LhsScalar*, const
RhsScalar*, Index, Index, const ResScalar&) [with LhsScalar = double; RhsScalar
= double; Index = long int; int mr = 4; int nr = 4; bool ConjLhs = false; bool
ConjRhs = false; int UpLo = 2; Eigen::internal::tribb_kernel<LhsScalar,
RhsScalar, Index, mr, nr, ConjLhs, ConjRhs, UpLo>::ResScalar = double]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/products/GeneralMatrixMatrixTriangular.h:114:13:
required from 'static void
Eigen::internal::general_matrix_matrix_triangular_product<Index, LhsScalar,
LhsStorageOrder, ConjugateLhs, RhsScalar, RhsStorageOrder, ConjugateRhs, 0,
UpLo, Version>::run(Index, Index, const LhsScalar*, Index, const RhsScalar*,
Index, Eigen::internal::general_matrix_matrix_triangular_product<Index,
LhsScalar, LhsStorageOrder, ConjugateLhs, RhsScalar, RhsStorageOrder,
ConjugateRhs, 0, UpLo, Version>::ResScalar*, Index, const ResScalar&,
Eigen::internal::level3_blocking<LhsScalar, RhsScalar>&) [with Index = long int;
LhsScalar = double; int LhsStorageOrder = 0; bool ConjugateLhs = false;
RhsScalar = double; int RhsStorageOrder = 1; bool ConjugateRhs = false; int UpLo
= 2; int Version = 0;
Eigen::internal::general_matrix_matrix_triangular_product<Index, LhsScalar,
LhsStorageOrder, ConjugateLhs, RhsScalar, RhsStorageOrder, ConjugateRhs, 0,
```

UpLo, Version>::ResScalar = double]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/products/SelfadjointProduct.h:113:12:   required from
'static void Eigen::selfadjoint_product_selector<MatrixType, OtherType, UpLo,
false>::run(MatrixType&, const OtherType&, const typename MatrixType::Scalar&)
[with MatrixType = Eigen::Matrix<double, -1, -1>; OtherType =
Eigen::Matrix<double, -1, -1>; int UpLo = 2; typename MatrixType::Scalar =
double]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/products/SelfadjointProduct.h:126:62:   required from
'Eigen::SelfAdjointView<MatrixType, UpLo>& Eigen::SelfAdjointView<MatrixType,
Mode>::rankUpdate(const Eigen::MatrixBase<OtherDerived>&, const Scalar&) [with
DerivedU = Eigen::Matrix<double, -1, -1>; _MatrixType = Eigen::Matrix<double,
-1, -1>; unsigned int UpLo = 2; Eigen::SelfAdjointView<MatrixType, Mode>::Scalar
= double]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/tcrossprod.hpp:22:69:
required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 | MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~^~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7

```
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                 ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:473,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/products/GeneralMatrixVector.h: In instantiation of
'static void Eigen::internal::general_matrix_vector_product<Index, LhsScalar,
LhsMapper, 0, ConjugateLhs, RhsScalar, RhsMapper, ConjugateRhs,
Version>::run(Index, Index, const LhsMapper&, const RhsMapper&,
Eigen::internal::general_matrix_vector_product<Index, LhsScalar, LhsMapper, 0,
ConjugateLhs, RhsScalar, RhsMapper, ConjugateRhs, Version>::ResScalar*, Index,
RhsScalar) [with Index = long int; LhsScalar = double; LhsMapper =
Eigen::internal::const_blas_data_mapper<double, long int, 0>; bool ConjugateLhs
= false; RhsScalar = double; RhsMapper =
Eigen::internal::const_blas_data_mapper<double, long int, 1>; bool ConjugateRhs
= false; int Version = 0; Eigen::internal::general_matrix_vector_product<Index,
LhsScalar, LhsMapper, 0, ConjugateLhs, RhsScalar, RhsMapper, ConjugateRhs,
Version>::ResScalar = double]':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/GeneralProduct.h:239:134:   required from 'static void
Eigen::internal::gemv_dense_selector<2, 0, true>::run(const Lhs&, const Rhs&,
```

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Dest&, const typename Dest::Scalar&) [with Lhs =
Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1, -1, false>; Rhs =
Eigen::Transpose<const Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >,
1, -1, false> >; Dest = Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >,
-1, 1, false>; typename Dest::Scalar = double]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/ProductEvaluators.h:377:34:   required from 'static
void Eigen::internal::generic_product_impl<Lhs, Rhs, Eigen::DenseShape,
Eigen::DenseShape, 7>::scaleAndAddTo(Dest&, const Lhs&, const Rhs&, const
Scalar&) [with Dest = Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >,
-1, 1, false>; Lhs = Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >,
-1, -1, false>; Rhs = Eigen::Transpose<const
Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, 1, -1, false> >;
Eigen::internal::generic_product_impl<Lhs, Rhs, Eigen::DenseShape,
Eigen::DenseShape, 7>::Scalar = double]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/ProductEvaluators.h:355:27:   required from 'static
void Eigen::internal::generic_product_impl_base<Lhs, Rhs,
Derived>::scaleAndAddTo(Dst&, const Lhs&, const Rhs&, const Scalar&) [with Dst =
Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1, 1, false>; Lhs =
Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1, -1, false>; Rhs =
Eigen::Transpose<const Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >,
1, -1, false> >; Derived = Eigen::internal::generic_product_impl<Eigen::Block<Ei
gen::Ref<Eigen::Matrix<double, -1, -1> >, -1, -1, false>, Eigen::Transpose<const
Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, 1, -1, false> >,
Eigen::DenseShape, Eigen::DenseShape, 7>;
Eigen::internal::generic_product_impl_base<Lhs, Rhs, Derived>::Scalar = double]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/ProductEvaluators.h:351:18:   required from 'static
void Eigen::internal::generic_product_impl_base<Lhs, Rhs, Derived>::subTo(Dst&,
const Lhs&, const Rhs&) [with Dst =
Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1, 1, false>; Lhs =
Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1, -1, false>; Rhs =
Eigen::Transpose<const Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >,
1, -1, false> >; Derived = Eigen::internal::generic_product_impl<Eigen::Block<Ei
gen::Ref<Eigen::Matrix<double, -1, -1> >, -1, -1, false>, Eigen::Transpose<const
Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, 1, -1, false> >,
Eigen::DenseShape, Eigen::DenseShape, 7>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/ProductEvaluators.h:178:42:   required from 'static
void Eigen::internal::Assignment<DstXprType, Eigen::Product<Lhs, Rhs, Options>,
Eigen::internal::sub_assign_op<Scalar, Scalar>, Eigen::internal::Dense2Dense,
typename Eigen::internal::enable_if<((Options == Eigen::DefaultProduct) ||
(Options == Eigen::AliasFreeProduct))>::type>::run(DstXprType&, const
SrcXprType&, const Eigen::internal::sub_assign_op<Scalar, Scalar>&) [with
DstXprType = Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1, 1,
false>; Lhs = Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1, -1,
false>; Rhs = Eigen::Transpose<const

```
Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, 1, -1, false> >; int
Options = 0; Scalar = double; Eigen::internal::Assignment<DstXprType,
Eigen::Product<Lhs, Rhs, Options>, Eigen::internal::sub_assign_op<Scalar,
Scalar>, Eigen::internal::Dense2Dense, typename
Eigen::internal::enable_if<((Options == Eigen::DefaultProduct) || (Options ==
Eigen::AliasFreeProduct))>::type>::SrcXprType =
Eigen::Product<Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1, -1,
false>, Eigen::Transpose<const Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1,
-1> >, 1, -1, false> >, 0>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   [ skipping 2 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable ]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LLT.h:321:38:   required from 'static Eigen::Index
Eigen::internal::llt_inplace<Scalar, 1>::unblocked(MatrixType&) [with MatrixType
= Eigen::Ref<Eigen::Matrix<double, -1, -1> >; Scalar = double; Eigen::Index =
long int]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LLT.h:333:23:   required from 'static Eigen::Index
Eigen::internal::llt_inplace<Scalar, 1>::blocked(MatrixType&) [with MatrixType =
Eigen::Ref<Eigen::Matrix<double, -1, -1> >; Scalar = double; Eigen::Index = long
int]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LLT.h:397:68:   required from 'static bool
Eigen::internal::LLT_Traits<MatrixType, 1>::inplace_decomposition(MatrixType&)
[with MatrixType = Eigen::Ref<Eigen::Matrix<double, -1, -1> >]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LLT.h:444:42:   required from
'Eigen::LLT<MatrixType, _UpLo>& Eigen::LLT<MatrixType, UpLo>::compute(const
Eigen::EigenBase<OtherDerived>&) [with InputType = Eigen::Matrix<double, -1,
-1>; _MatrixType = Eigen::Ref<Eigen::Matrix<double, -1, -1> >; int _UpLo = 1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LLT.h:111:14:   required from
'Eigen::LLT<MatrixType, UpLo>::LLT(Eigen::EigenBase<OtherDerived>&) [with
InputType = Eigen::Matrix<double, -1, -1>; _MatrixType =
Eigen::Ref<Eigen::Matrix<double, -1, -1> >; int _UpLo = 1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/rev/mat/fun/cholesky_decompose.hpp:244:69:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/products/GeneralMatrixVector.h:186:39: warning: enum
constant in boolean context [-Wint-in-bool-context]
  186 |    const Index offset1 = (FirstAligned && alignmentStep==1)?3:1;
      |                          ~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/products/GeneralMatrixVector.h:187:39: warning: enum
constant in boolean context [-Wint-in-bool-context]
  187 |    const Index offset3 = (FirstAligned && alignmentStep==1)?1:3;
      |                          ~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~
```

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In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Block<Eig
en::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var, -1, -1>, 0,
Eigen::Stride<0, 0> >, -1, -1, false>, -1, -1, false>, 1, -1, false> >, Eigen::i
nternal::evaluator<Eigen::Block<Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matr
ix<stan::math::var, -1, -1>, 0, Eigen::Stride<0, 0> >, -1, -1, false>, -1, -1,
false>, 1, -1, false> >, Eigen::internal::swap_assign_op<stan::math::var> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Blo
ck<Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var, -1, -1>,
0, Eigen::Stride<0, 0> >, -1, -1, false>, -1, -1, false>, 1, -1, false> >, Eigen
::internal::evaluator<Eigen::Block<Eigen::Block<Eigen::Block<Eigen::Map<Eigen::M
atrix<stan::math::var, -1, -1>, 0, Eigen::Stride<0, 0> >, -1, -1, false>, -1,
-1, false>, 1, -1, false> >, Eigen::internal::swap_assign_op<stan::math::var>,
1>'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/Swap.h:19:7:
required from 'class Eigen::internal::generic_dense_assignment_kernel<Eigen::int
ernal::evaluator<Eigen::Block<Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix
<stan::math::var, -1, -1>, 0, Eigen::Stride<0, 0> >, -1, -1, false>, -1, -1,
false>, 1, -1, false> >, Eigen::internal::evaluator<Eigen::Block<Eigen::Block<Ei
gen::Block<Eigen::Map<Eigen::Matrix<stan::math::var, -1, -1>, 0,
```

Eigen::Stride<0, 0> >, -1, -1, false>, -1, -1, false>, 1, -1, false> >,
Eigen::internal::swap_assign_op<stan::math::var>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType =
Eigen::Block<Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var,
-1, -1>, 0, Eigen::Stride<0, 0> >, -1, -1, false>, -1, -1, false>, 1, -1,
false>; SrcXprType =
Eigen::Block<Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var,
-1, -1>, 0, Eigen::Stride<0, 0> >, -1, -1, false>, -1, -1, false>, 1, -1,
false>; Functor = Eigen::internal::swap_assign_op<stan::math::var>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType =
Eigen::Block<Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var,
-1, -1>, 0, Eigen::Stride<0, 0> >, -1, -1, false>, -1, -1, false>, 1, -1,
false>; SrcXprType =
Eigen::Block<Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var,
-1, -1>, 0, Eigen::Stride<0, 0> >, -1, -1, false>, -1, -1, false>, 1, -1,
false>; Functor = Eigen::internal::swap_assign_op<stan::math::var>; Weak =
void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst =
Eigen::Block<Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var,
-1, -1>, 0, Eigen::Stride<0, 0> >, -1, -1, false>, -1, -1, false>, 1, -1,
false>; Src =
Eigen::Block<Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var,
-1, -1>, 0, Eigen::Stride<0, 0> >, -1, -1, false>, -1, -1, false>, 1, -1,
false>; Func = Eigen::internal::swap_assign_op<stan::math::var>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   [skipping 5 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/LU/PartialPivLU.h:131:14:   required from
'Eigen::PartialPivLU<MatrixType>& Eigen::PartialPivLU<MatrixType>::compute(const
Eigen::EigenBase<OtherDerived>&) [with InputType =
Eigen::Matrix<stan::math::var, -1, -1>; _MatrixType =
Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/LU/PartialPivLU.h:323:10:   required from
'Eigen::PartialPivLU<MatrixType>::PartialPivLU(const
Eigen::EigenBase<OtherDerived>&) [with InputType =
Eigen::Matrix<stan::math::var, -1, -1>; _MatrixType =

```
Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/LU/PartialPivLU.h:591:10:   required from 'const
Eigen::PartialPivLU<typename Eigen::DenseBase<Derived>::PlainObject>
Eigen::MatrixBase<Derived>::partialPivLu() const [with Derived =
Eigen::Matrix<stan::math::var, -1, -1>; typename
Eigen::DenseBase<Derived>::PlainObject = Eigen::Matrix<stan::math::var, -1,
-1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/fun/matrix_exp_pade.hpp:28:53:   required from 'MatrixType
stan::math::matrix_exp_pade(const MatrixType&) [with MatrixType =
Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/matrix_exp.hpp:30:31:
required from 'Eigen::Matrix<LhsScalar, -1, -1, 0> stan::math::matrix_exp(const
Eigen::Matrix<LhsScalar, -1, -1, 0>&) [with T = stan::math::var]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/rev/mat/fun/matrix_exp_multiply.hpp:71:21:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
```

```
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                    ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Block<Eig
en::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1, true>, -1, 1,
false>, -1, 1, false> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen::
internal::scalar_quotient_op<double, double>, const Eigen::Block<const
Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1, true>, -1, 1,
false>, -1, 1, false>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> > > >, Eigen::internal::assign_op<double, double>
>':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Blo
ck<Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1, true>, -1, 1,
false>, -1, 1, false> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen::
internal::scalar_quotient_op<double, double>, const Eigen::Block<const
```

```
Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1, true>, -1, 1,
false>, -1, 1, false>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> > > >, Eigen::internal::assign_op<double, double>,
0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType =
Eigen::Block<Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1,
true>, -1, 1, false>, -1, 1, false>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_quotient_op<double, double>, const
Eigen::Block<const Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1,
1, true>, -1, 1, false>, -1, 1, false>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> > >; Functor = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType =
Eigen::Block<Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1,
true>, -1, 1, false>, -1, 1, false>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_quotient_op<double, double>, const
Eigen::Block<const Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1,
1, true>, -1, 1, false>, -1, 1, false>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> > >; Functor = Eigen::internal::assign_op<double,
double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Block<Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1,
1, true>, -1, 1, false>, -1, 1, false>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_quotient_op<double, double>, const
Eigen::Block<const Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1,
1, true>, -1, 1, false>, -1, 1, false>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> > >; Func = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Block<Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1,
true>, -1, 1, false>, -1, 1, false>; Src =
```

Eigen::CwiseBinaryOp<Eigen::internal::scalar_quotient_op<double, double>, const
Eigen::Block<const Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1,
1, true>, -1, 1, false>, -1, 1, false>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> > >; Func = Eigen::internal::assign_op<double,
double>; typename Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   [skipping 4 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:361:59:   required from
'void Eigen::internal::tridiagonalization_inplace(MatrixType&, CoeffVectorType&)
[with MatrixType = Eigen::Matrix<double, -1, -1>; CoeffVectorType =
Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:445:31:   required from
'static void Eigen::internal::tridiagonalization_inplace_selector<MatrixType,
Size, IsComplex>::run(MatrixType&, DiagonalType&, SubDiagonalType&, bool) [with
DiagonalType = Eigen::Matrix<double, -1, 1>; SubDiagonalType =
Eigen::Matrix<double, -1, 1>; MatrixType = Eigen::Matrix<double, -1, -1>; int
Size = -1; bool IsComplex = false]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:430:55:   required from
'void Eigen::internal::tridiagonalization_inplace(MatrixType&, DiagonalType&,
SubDiagonalType&, bool) [with MatrixType = Eigen::Matrix<double, -1, -1>;
DiagonalType = Eigen::Matrix<double, -1, 1>; SubDiagonalType =
Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:437:39:   required from
'Eigen::SelfAdjointEigenSolver<MatrixType>&
Eigen::SelfAdjointEigenSolver<_MatrixType>::compute(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:168:14:   required from
'Eigen::SelfAdjointEigenSolver<_MatrixType>::SelfAdjointEigenSolver(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/newton.hpp:21:55:   required from
here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 | MayLinearVectorize = bool(MightVectorize) && MayLinearize &&

315

```
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
```

packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, -1, -1> >, Eigen::internal::evaluator<Eigen::Product<Eigen::CwiseBinaryOp<
Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> >, const Eigen::Matrix<double, -1, -1> >,
Eigen::Transpose<Eigen::Matrix<double, -1, -1> >, 1> >,
Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<double, -1, -1> >, Eigen::internal::evaluator<Eigen::Product<Eigen::CwiseBin
aryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> >, const Eigen::Matrix<double, -1, -1> >,
Eigen::Transpose<Eigen::Matrix<double, -1, -1> >, 1> >,
Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<double, -1, -1>; SrcXprType =
Eigen::Product<Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double,
double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> >, const Eigen::Matrix<double, -1, -1> >,
Eigen::Transpose<Eigen::Matrix<double, -1, -1> >, 1>; Functor =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<double, -1, -1>; SrcXprType =
Eigen::Product<Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double,
double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> >, const Eigen::Matrix<double, -1, -1> >,
Eigen::Transpose<Eigen::Matrix<double, -1, -1> >, 1>; Functor =
Eigen::internal::assign_op<double, double>; Weak = void]'

/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, -1>; Src =
Eigen::Product<Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double,
double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> >, const Eigen::Matrix<double, -1, -1> >,
Eigen::Transpose<Eigen::Matrix<double, -1, -1> >, 1>; Func =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/ProductEvaluators.h:391:29:   required from 'static
void Eigen::internal::generic_product_impl<Lhs, Rhs, Eigen::DenseShape,
Eigen::DenseShape, 3>::evalTo(Dst&, const Lhs&, const Rhs&) [with Dst =
Eigen::Matrix<double, -1, -1>; Lhs =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> >, const Eigen::Matrix<double, -1, -1> >; Rhs =
Eigen::Transpose<Eigen::Matrix<double, -1, -1> >]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/products/GeneralMatrixMatrix.h:431:26:   [skipping 4
instantiation contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/bfgs_update.hpp:38:25:   required
from 'Scalar stan::optimization::BFGSUpdate_HInv<Scalar,
DimAtCompile>::update(const VectorT&, const VectorT&, bool) [with Scalar =
double; int DimAtCompile = -1; stan::optimization::BFGSUpdate_HInv<Scalar,
DimAtCompile>::VectorT = Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/bfgs.hpp:239:37:   required from 'int
stan::optimization::BFGSMinimizer<FunctorType, QNUpdateType, Scalar,
DimAtCompile>::step() [with FunctorType = stan::optimization::ModelAdaptor<anon_
model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3d
ae7fd542ccee9>; QNUpdateType = stan::optimization::BFGSUpdate_HInv<>; Scalar =
double; int DimAtCompile = -1]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/optimize/bfgs.hpp:121:26:   required from
'int stan::services::optimize::bfgs(Model&, stan::io::var_context&, unsigned
int, unsigned int, double, double, double, double, double, double, double, int,
bool, int, stan::callbacks::interrupt&, stan::callbacks::logger&,
stan::callbacks::writer&, stan::callbacks::writer&) [with Model = anon_model_648
0e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7fd542c
cee9]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:886:45:
required from 'int pystan::{anonymous}::command(pystan::StanArgs&, Model&,
pystan::StanHolder&, const std::vector<long unsigned int>&, const
std::vector<std::__cxx11::basic_string<char> >&, RNG_t&) [with Model = anon_mode
l_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7f

```
d542ccee9; RNG_t = boost::random::additive_combine_engine<boost::random::linear_
congruential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:1536:22:
required from 'int pystan::stan_fit<Model,
RNG_t>::call_sampler(pystan::StanArgs&, pystan::StanHolder&) [with Model = anon_
model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3d
ae7fd542ccee9; RNG_t = boost::random::additive_combine_engine<boost::random::lin
ear_congruential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7fd542ccee9_53816003179
20641068.cpp:16014:45:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
```

```
    90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                 ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::ArrayWrap
per<Eigen::Matrix<double, -1, 1> > >, Eigen::internal::evaluator<Eigen::CwiseBin
aryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::ArrayWrapper<Eigen::Matrix<double, -1, 1> >, const
Eigen::CwiseUnaryOp<Eigen::internal::scalar_exp_op<double>, const
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, 1> > > > >,
Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Arr
ayWrapper<Eigen::Matrix<double, -1, 1> > >, Eigen::internal::evaluator<Eigen::Cw
iseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::ArrayWrapper<Eigen::Matrix<double, -1, 1> >, const
Eigen::CwiseUnaryOp<Eigen::internal::scalar_exp_op<double>, const
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, 1> > > > >,
Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
```

const Functor&) [with DstXprType = Eigen::ArrayWrapper<Eigen::Matrix<double, -1,
1> >; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::ArrayWrapper<Eigen::Matrix<double, -1, 1> >, const
Eigen::CwiseUnaryOp<Eigen::internal::scalar_exp_op<double>, const
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, 1> > > >; Functor =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::ArrayWrapper<Eigen::Matrix<double, -1, 1> >;
SrcXprType = Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double,
double>, const Eigen::ArrayWrapper<Eigen::Matrix<double, -1, 1> >, const
Eigen::CwiseUnaryOp<Eigen::internal::scalar_exp_op<double>, const
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, 1> > > >; Functor =
Eigen::internal::assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::ArrayWrapper<Eigen::Matrix<double, -1, 1> >; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::ArrayWrapper<Eigen::Matrix<double, -1, 1> >, const
Eigen::CwiseUnaryOp<Eigen::internal::scalar_exp_op<double>, const
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, 1> > > >; Func =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::ArrayWrapper<Eigen::Matrix<double, -1, 1> >; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::ArrayWrapper<Eigen::Matrix<double, -1, 1> >, const
Eigen::CwiseUnaryOp<Eigen::internal::scalar_exp_op<double>, const
Eigen::ArrayWrapper<const Eigen::Matrix<double, -1, 1> > > >; Func =
Eigen::internal::assign_op<double, double>; typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   [skipping 4 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/variational/advi.hpp:240:15:   required from
'double stan::variational::advi<Model, Q, BaseRNG>::adapt_eta(Q&, int,
stan::callbacks::logger&) const [with Model = anon_model_6480e1d1f319fa39f3dae7f

d542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7fd542ccee9; Q =
stan::variational::normal_meanfield; BaseRNG = boost::random::additive_combine_e
ngine<boost::random::linear_congruential_engine<unsigned int, 40014, 0,
2147483563>, boost::random::linear_congruential_engine<unsigned int, 40692, 0,
2147483399> >]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/variational/advi.hpp:497:17:   required from 'int
stan::variational::advi<Model, Q, BaseRNG>::run(double, bool, int, double, int,
stan::callbacks::logger&, stan::callbacks::writer&, stan::callbacks::writer&)
const [with Model = anon_model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_
model_6480e1d1f319fa39f3dae7fd542ccee9; Q = stan::variational::normal_meanfield;
BaseRNG = boost::random::additive_combine_engine<boost::random::linear_congruent
ial_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/experimental/advi/meanfield.hpp:85:23:
required from 'int stan::services::experimental::advi::meanfield(Model&,
stan::io::var_context&, unsigned int, unsigned int, double, int, int, int,
double, double, bool, int, int, int, stan::callbacks::interrupt&,
stan::callbacks::logger&, stan::callbacks::writer&, stan::callbacks::writer&,
stan::callbacks::writer&) [with Model = anon_model_6480e1d1f319fa39f3dae7fd542cc
ee9_namespace::anon_model_6480e1d1f319fa39f3dae7fd542ccee9]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:1276:24:
required from 'int pystan::{anonymous}::command(pystan::StanArgs&, Model&,
pystan::StanHolder&, const std::vector<long unsigned int>&, const
std::vector<std::__cxx11::basic_string<char> >&, RNG_t&) [with Model = anon_mode
l_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7f
d542ccee9; RNG_t = boost::random::additive_combine_engine<boost::random::linear_
congruential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:1536:22:
required from 'int pystan::stan_fit<Model,
RNG_t>::call_sampler(pystan::StanArgs&, pystan::StanHolder&) [with Model = anon_
model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3d
ae7fd542ccee9; RNG_t = boost::random::additive_combine_engine<boost::random::lin
ear_congruential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7fd542ccee9_53816003179
20641068.cpp:16014:45:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 | MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |

```
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
```

packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, -1, -1> >, Eigen::internal::evaluator<Eigen::Product<Eigen::Matrix<double,
-1, -1>, Eigen::Transpose<Eigen::Map<Eigen::Matrix<double, -1, -1>, 0,
Eigen::Stride<0, 0> > >, 1> >, Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<double, -1, -1> >,
Eigen::internal::evaluator<Eigen::Product<Eigen::Matrix<double, -1, -1>,
Eigen::Transpose<Eigen::Map<Eigen::Matrix<double, -1, -1>, 0, Eigen::Stride<0,
0> > >, 1> >, Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<double, -1, -1>; SrcXprType =
Eigen::Product<Eigen::Matrix<double, -1, -1>,
Eigen::Transpose<Eigen::Map<Eigen::Matrix<double, -1, -1>, 0, Eigen::Stride<0,
0> > >, 1>; Functor = Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<double, -1, -1>; SrcXprType =
Eigen::Product<Eigen::Matrix<double, -1, -1>,
Eigen::Transpose<Eigen::Map<Eigen::Matrix<double, -1, -1>, 0, Eigen::Stride<0,
0> > >, 1>; Functor = Eigen::internal::assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, -1>; Src = Eigen::Product<Eigen::Matrix<double,
-1, -1>, Eigen::Transpose<Eigen::Map<Eigen::Matrix<double, -1, -1>, 0,
Eigen::Stride<0, 0> > >, 1>; Func = Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/ProductEvaluators.h:391:29:   required from 'static
void Eigen::internal::generic_product_impl<Lhs, Rhs, Eigen::DenseShape,
Eigen::DenseShape, 3>::evalTo(Dst&, const Lhs&, const Rhs&) [with Dst =
Eigen::Matrix<double, -1, -1>; Lhs = Eigen::Matrix<double, -1, -1>; Rhs =
Eigen::Transpose<Eigen::Map<Eigen::Matrix<double, -1, -1>, 0, Eigen::Stride<0,
0> > >]'

/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/products/GeneralMatrixMatrix.h:431:26:   [skipping 5
instantiation contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:296:31:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::Matrix(const T&) [with T = Eigen::Product<Eigen::Matrix<double, -1,
-1>, Eigen::Transpose<Eigen::Map<Eigen::Matrix<double, -1, -1>, 0,
Eigen::Stride<0, 0> > >, 0>; _Scalar = double; int _Rows = -1; int _Cols = -1;
int _Options = 0; int _MaxRows = -1; int _MaxCols = -1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:796:41:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename Eigen::
internal::enable_if<Eigen::internal::evaluator_assume_aliasing<Src>::value,
void*>::type) [with Dst = Eigen::Matrix<double, -1, -1>; Src =
Eigen::Product<Eigen::Matrix<double, -1, -1>,
Eigen::Transpose<Eigen::Map<Eigen::Matrix<double, -1, -1>, 0, Eigen::Stride<0,
0> > >, 0>; Func = Eigen::internal::assign_op<double, double>; typename Eigen::i
nternal::enable_if<Eigen::internal::evaluator_assume_aliasing<Src>::value,
void*>::type = void*; typename
Eigen::internal::evaluator_traits<SrcXprType>::Shape = Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&) [with Dst =
Eigen::Matrix<double, -1, -1>; Src = Eigen::Product<Eigen::Matrix<double, -1,
-1>, Eigen::Transpose<Eigen::Map<Eigen::Matrix<double, -1, -1>, 0,
Eigen::Stride<0, 0> > >, 0>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:710:32:   required from 'Derived&
Eigen::PlainObjectBase<Derived>::_set(const Eigen::DenseBase<OtherDerived>&)
[with OtherDerived = Eigen::Product<Eigen::Matrix<double, -1, -1>,
Eigen::Transpose<Eigen::Map<Eigen::Matrix<double, -1, -1>, 0, Eigen::Stride<0,
0> > >, 0>; Derived = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:225:24:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows, _MaxCols>&
Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::operator=(const Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::Product<Eigen::Matrix<double, -1, -1>,
Eigen::Transpose<Eigen::Map<Eigen::Matrix<double, -1, -1>, 0, Eigen::Stride<0,
0> > >, 0>; _Scalar = double; int _Rows = -1; int _Cols = -1; int _Options = 0;
int _MaxRows = -1; int _MaxCols = -1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/rev/mat/fun/matrix_exp_multiply.hpp:64:60:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 | MayLinearVectorize = bool(MightVectorize) && MayLinearize &&

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DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |    MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                    ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
```

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packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Block<Eig
en::Block<Eigen::Map<Eigen::Matrix<stan::math::var, -1, -1>, 0, Eigen::Stride<0,
0> >, -1, -1, false>, 1, -1, false> >, Eigen::internal::evaluator<Eigen::Block<E
igen::Block<Eigen::Map<Eigen::Matrix<stan::math::var, -1, -1>, 0,
Eigen::Stride<0, 0> >, -1, -1, false>, 1, -1, false> >,
Eigen::internal::swap_assign_op<stan::math::var> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Blo
ck<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var, -1, -1>, 0,
Eigen::Stride<0, 0> >, -1, -1, false>, 1, -1, false> >, Eigen::internal::evaluat
or<Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var, -1, -1>,
0, Eigen::Stride<0, 0> >, -1, -1, false>, 1, -1, false> >,
Eigen::internal::swap_assign_op<stan::math::var>, 1>'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/Swap.h:19:7:
required from 'class Eigen::internal::generic_dense_assignment_kernel<Eigen::int
ernal::evaluator<Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::
var, -1, -1>, 0, Eigen::Stride<0, 0> >, -1, -1, false>, 1, -1, false> >, Eigen::
internal::evaluator<Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::mat
h::var, -1, -1>, 0, Eigen::Stride<0, 0> >, -1, -1, false>, 1, -1, false> >,
Eigen::internal::swap_assign_op<stan::math::var>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType =
Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var, -1, -1>, 0,
Eigen::Stride<0, 0> >, -1, -1, false>, 1, -1, false>; SrcXprType =
Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var, -1, -1>, 0,
Eigen::Stride<0, 0> >, -1, -1, false>, 1, -1, false>; Functor =
Eigen::internal::swap_assign_op<stan::math::var>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType =
Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var, -1, -1>, 0,
```

```
Eigen::Stride<0, 0> >, -1, -1, false>, 1, -1, false>; SrcXprType =
Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var, -1, -1>, 0,
Eigen::Stride<0, 0> >, -1, -1, false>, 1, -1, false>; Functor =
Eigen::internal::swap_assign_op<stan::math::var>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var, -1,
-1>, 0, Eigen::Stride<0, 0> >, -1, -1, false>, 1, -1, false>; Src =
Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var, -1, -1>, 0,
Eigen::Stride<0, 0> >, -1, -1, false>, 1, -1, false>; Func =
Eigen::internal::swap_assign_op<stan::math::var>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   [ skipping 6 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable ]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/LU/PartialPivLU.h:131:14:   required from
'Eigen::PartialPivLU<MatrixType>& Eigen::PartialPivLU<MatrixType>::compute(const
Eigen::EigenBase<OtherDerived>&) [with InputType =
Eigen::Matrix<stan::math::var, -1, -1>; _MatrixType =
Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/LU/PartialPivLU.h:323:10:   required from
'Eigen::PartialPivLU<MatrixType>::PartialPivLU(const
Eigen::EigenBase<OtherDerived>&) [with InputType =
Eigen::Matrix<stan::math::var, -1, -1>; _MatrixType =
Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/LU/PartialPivLU.h:591:10:   required from 'const
Eigen::PartialPivLU<typename Eigen::DenseBase<Derived>::PlainObject>
Eigen::MatrixBase<Derived>::partialPivLu() const [with Derived =
Eigen::Matrix<stan::math::var, -1, -1>; typename
Eigen::DenseBase<Derived>::PlainObject = Eigen::Matrix<stan::math::var, -1,
-1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/fun/matrix_exp_pade.hpp:28:53:   required from 'MatrixType
stan::math::matrix_exp_pade(const MatrixType&) [with MatrixType =
Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/matrix_exp.hpp:30:31:
required from 'Eigen::Matrix<LhsScalar, -1, -1, 0> stan::math::matrix_exp(const
Eigen::Matrix<LhsScalar, -1, -1, 0>&) [with T = stan::math::var]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/rev/mat/fun/matrix_exp_multiply.hpp:71:21:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
```

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DstHasDirectAccess
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In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                 ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
```

packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Block<Eig
en::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var, -1, -1>, 0,
Eigen::Stride<0, 0> >, -1, -1, false>, -1, 1, true>, -1, 1, false> >, Eigen::int
ernal::evaluator<Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan:
:math::var>, Eigen::Matrix<stan::math::var, -1, 1> > >,
Eigen::internal::div_assign_op<stan::math::var, stan::math::var> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Blo
ck<Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var, -1, -1>,
0, Eigen::Stride<0, 0> >, -1, -1, false>, -1, 1, true>, -1, 1, false> >, Eigen::
internal::evaluator<Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<st
an::math::var>, Eigen::Matrix<stan::math::var, -1, 1> > >,
Eigen::internal::div_assign_op<stan::math::var, stan::math::var>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType =
Eigen::Block<Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var,
-1, -1>, 0, Eigen::Stride<0, 0> >, -1, -1, false>, -1, 1, true>, -1, 1, false>;
SrcXprType =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
Eigen::Matrix<stan::math::var, -1, 1> >; Functor =
Eigen::internal::div_assign_op<stan::math::var, stan::math::var>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType =
Eigen::Block<Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var,
-1, -1>, 0, Eigen::Stride<0, 0> >, -1, -1, false>, -1, 1, true>, -1, 1, false>;
SrcXprType =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
Eigen::Matrix<stan::math::var, -1, 1> >; Functor =
Eigen::internal::div_assign_op<stan::math::var, stan::math::var>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void

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Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst =
Eigen::Block<Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var,
-1, -1>, 0, Eigen::Stride<0, 0> >, -1, -1, false>, -1, 1, true>, -1, 1, false>;
Src =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
Eigen::Matrix<stan::math::var, -1, 1> >; Func =
Eigen::internal::div_assign_op<stan::math::var, stan::math::var>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
=
Eigen::Block<Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var,
-1, -1>, 0, Eigen::Stride<0, 0> >, -1, -1, false>, -1, 1, true>, -1, 1, false>;
Src =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
Eigen::Matrix<stan::math::var, -1, 1> >; Func =
Eigen::internal::div_assign_op<stan::math::var, stan::math::var>; typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/SelfCwiseBinaryOp.h:45:28:   [ skipping 5 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable ]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/LU/PartialPivLU.h:131:14:   required from
'Eigen::PartialPivLU<MatrixType>& Eigen::PartialPivLU<MatrixType>::compute(const
Eigen::EigenBase<OtherDerived>&) [with InputType =
Eigen::Matrix<stan::math::var, -1, -1>; _MatrixType =
Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/LU/PartialPivLU.h:323:10:   required from
'Eigen::PartialPivLU<MatrixType>::PartialPivLU(const
Eigen::EigenBase<OtherDerived>&) [with InputType =
Eigen::Matrix<stan::math::var, -1, -1>; _MatrixType =
Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/LU/PartialPivLU.h:591:10:   required from 'const
Eigen::PartialPivLU<typename Eigen::DenseBase<Derived>::PlainObject>
Eigen::MatrixBase<Derived>::partialPivLu() const [with Derived =
Eigen::Matrix<stan::math::var, -1, -1>; typename
Eigen::DenseBase<Derived>::PlainObject = Eigen::Matrix<stan::math::var, -1,
-1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/fun/matrix_exp_pade.hpp:28:53:   required from 'MatrixType
```

```
stan::math::matrix_exp_pade(const MatrixType&) [with MatrixType =
Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/matrix_exp.hpp:30:31:
required from 'Eigen::Matrix<LhsScalar, -1, -1, 0> stan::math::matrix_exp(const
Eigen::Matrix<LhsScalar, -1, -1, 0>&) [with T = stan::math::var]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/rev/mat/fun/matrix_exp_multiply.hpp:71:21:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
```

```
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Block<Eig
en::Ref<Eigen::Matrix<double, -1, -1> >, -1, -1, false> >,
Eigen::internal::evaluator<Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1>
>, -1, -1, false> >, Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Blo
ck<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1, -1, false> >,
Eigen::internal::evaluator<Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1>
>, -1, -1, false> >, Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Block<Eigen::Ref<Eigen::Matrix<double,
-1, -1> >, -1, -1, false>; SrcXprType =
Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1, -1, false>; Functor
= Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1,
-1> >, -1, -1, false>; SrcXprType =
Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1, -1, false>; Functor
= Eigen::internal::assign_op<double, double>; Weak = void]'
```

```
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1, -1, false>;
Src = Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1, -1, false>;
Func = Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1, -1, false>; Src =
Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1, -1, false>; Func =
Eigen::internal::assign_op<double, double>; typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   [ skipping 6 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable ]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/SolveTriangular.h:182:11:   required from 'void
Eigen::TriangularViewImpl<_MatrixType, _Mode, Eigen::Dense>::solveInPlace(const
Eigen::MatrixBase<OtherDerived>&) const [with int Side = 2; OtherDerived =
Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1, -1, false>;
_MatrixType = const Eigen::Transpose<const
Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1, -1, false> >;
unsigned int _Mode = 2]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LLT.h:353:96:   required from 'static Eigen::Index
Eigen::internal::llt_inplace<Scalar, 1>::blocked(MatrixType&) [with MatrixType =
Eigen::Ref<Eigen::Matrix<double, -1, -1> >; Scalar = double; Eigen::Index = long
int]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LLT.h:397:68:   required from 'static bool
Eigen::internal::LLT_Traits<MatrixType, 1>::inplace_decomposition(MatrixType&)
[with MatrixType = Eigen::Ref<Eigen::Matrix<double, -1, -1> >]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LLT.h:444:42:   required from
'Eigen::LLT<MatrixType, _UpLo>& Eigen::LLT<MatrixType, UpLo>::compute(const
Eigen::EigenBase<OtherDerived>&) [with InputType = Eigen::Matrix<double, -1,
-1>; _MatrixType = Eigen::Ref<Eigen::Matrix<double, -1, -1> >; int _UpLo = 1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LLT.h:111:14:   required from
'Eigen::LLT<MatrixType, UpLo>::LLT(Eigen::EigenBase<OtherDerived>&) [with
InputType = Eigen::Matrix<double, -1, -1>; _MatrixType =
Eigen::Ref<Eigen::Matrix<double, -1, -1> >; int _UpLo = 1]'
```

```
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/rev/mat/fun/cholesky_decompose.hpp:244:69:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
```

packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Block<Eig
en::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1, true>, -1, 1,
false>, -1, 1, false> >, Eigen::internal::evaluator<Eigen::CwiseNullaryOp<Eigen:
:internal::scalar_constant_op<double>, Eigen::Matrix<double, -1, 1> > >,
Eigen::internal::assign_op<double, double> > :
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Blo
ck<Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1, true>, -1, 1,
false>, -1, 1, false> >, Eigen::internal::evaluator<Eigen::CwiseNullaryOp<Eigen:
:internal::scalar_constant_op<double>, Eigen::Matrix<double, -1, 1> > >,
Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType =
Eigen::Block<Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1,
true>, -1, 1, false>, -1, 1, false>; SrcXprType =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; Functor = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType =
Eigen::Block<Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1,
true>, -1, 1, false>, -1, 1, false>; SrcXprType =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; Functor = Eigen::internal::assign_op<double,
double>; Weak = void]'

/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Block<Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1,
1, true>, -1, 1, false>, -1, 1, false>; Src =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; Func = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Block<Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1,
true>, -1, 1, false>, -1, 1, false>; Src =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; Func = Eigen::internal::assign_op<double,
double>; typename Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   [skipping 6 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:361:59:   required from
'void Eigen::internal::tridiagonalization_inplace(MatrixType&, CoeffVectorType&)
[with MatrixType = Eigen::Matrix<double, -1, -1>; CoeffVectorType =
Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:445:31:   required from
'static void Eigen::internal::tridiagonalization_inplace_selector<MatrixType,
Size, IsComplex>::run(MatrixType&, DiagonalType&, SubDiagonalType&, bool) [with
DiagonalType = Eigen::Matrix<double, -1, 1>; SubDiagonalType =
Eigen::Matrix<double, -1, 1>; MatrixType = Eigen::Matrix<double, -1, -1>; int
Size = -1; bool IsComplex = false]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:430:55:   required from
'void Eigen::internal::tridiagonalization_inplace(MatrixType&, DiagonalType&,
SubDiagonalType&, bool) [with MatrixType = Eigen::Matrix<double, -1, -1>;
DiagonalType = Eigen::Matrix<double, -1, 1>; SubDiagonalType =
Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:437:39:   required from
'Eigen::SelfAdjointEigenSolver<MatrixType>&
Eigen::SelfAdjointEigenSolver<_MatrixType>::compute(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'

```
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:168:14:   required from
'Eigen::SelfAdjointEigenSolver<_MatrixType>::SelfAdjointEigenSolver(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/newton.hpp:21:55:   required from
here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                   ^~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
```

```
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Map<Eigen
::Matrix<double, -1, 1>, 0, Eigen::Stride<0, 0> > >,
Eigen::internal::evaluator<Eigen::Matrix<double, -1, 1> >,
Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Map
<Eigen::Matrix<double, -1, 1>, 0, Eigen::Stride<0, 0> > >,
Eigen::internal::evaluator<Eigen::Matrix<double, -1, 1> >,
Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Map<Eigen::Matrix<double, -1, 1>, 0,
Eigen::Stride<0, 0> >; SrcXprType = Eigen::Matrix<double, -1, 1>; Functor =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Map<Eigen::Matrix<double, -1, 1>, 0,
Eigen::Stride<0, 0> >; SrcXprType = Eigen::Matrix<double, -1, 1>; Functor =
Eigen::internal::assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
```

```
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Map<Eigen::Matrix<double, -1, 1>, 0, Eigen::Stride<0, 0> >; Src =
Eigen::Matrix<double, -1, 1>; Func = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Map<Eigen::Matrix<double, -1, 1>, 0, Eigen::Stride<0, 0> >; Src =
Eigen::Matrix<double, -1, 1>; Func = Eigen::internal::assign_op<double, double>;
typename Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   [ skipping 6 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable ]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/ProductEvaluators.h:148:43:   required from 'static
void Eigen::internal::Assignment<DstXprType, Eigen::Product<Lhs, Rhs, Options>,
Eigen::internal::assign_op<Scalar, Scalar>, Eigen::internal::Dense2Dense,
typename Eigen::internal::enable_if<((Options == Eigen::DefaultProduct) ||
(Options == Eigen::AliasFreeProduct))>::type>::run(DstXprType&, const
SrcXprType&, const Eigen::internal::assign_op<Scalar, Scalar>&) [with DstXprType
= Eigen::Matrix<double, -1, 1>; Lhs = Eigen::Transpose<Eigen::Matrix<double, -1,
-1> >; Rhs = Eigen::Matrix<double, -1, 1>; int Options = 0; Scalar = double;
Eigen::internal::Assignment<DstXprType, Eigen::Product<Lhs, Rhs, Options>,
Eigen::internal::assign_op<Scalar, Scalar>, Eigen::internal::Dense2Dense,
typename Eigen::internal::enable_if<((Options == Eigen::DefaultProduct) ||
(Options == Eigen::AliasFreeProduct))>::type>::SrcXprType =
Eigen::Product<Eigen::Transpose<Eigen::Matrix<double, -1, -1> >,
Eigen::Matrix<double, -1, 1>, 0>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, 1>; Src =
Eigen::Product<Eigen::Transpose<Eigen::Matrix<double, -1, -1> >,
Eigen::Matrix<double, -1, 1>, 0>; Func = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:728:41:   required from 'Derived&
Eigen::PlainObjectBase<Derived>::_set_noalias(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::Product<Eigen::Transpose<Eigen::Matrix<double, -1, -1> >,
Eigen::Matrix<double, -1, 1>, 0>; Derived = Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:537:19:   required from
```

'Eigen::PlainObjectBase<Derived>::PlainObjectBase(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::Product<Eigen::Transpose<Eigen::Matrix<double, -1, -1> >,
Eigen::Matrix<double, -1, 1>, 0>; Derived = Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:379:29:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::Matrix(const Eigen::EigenBase<OtherDerived>&) [with OtherDerived =
Eigen::Product<Eigen::Transpose<Eigen::Matrix<double, -1, -1> >,
Eigen::Matrix<double, -1, 1>, 0>; _Scalar = double; int _Rows = -1; int _Cols =
1; int _Options = 0; int _MaxRows = -1; int _MaxCols = 1]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/newton.hpp:24:62:   required from
here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 | MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~^~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]

```
90 |     MaySliceVectorize = bool(MightVectorize) &&
bool(DstHasDirectAccess)
    |                                              ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, -1, -1> >,
Eigen::internal::evaluator<Eigen::Product<Eigen::Map<Eigen::Matrix<double, -1,
-1>, 0, Eigen::Stride<0, 0> >, Eigen::Map<Eigen::Matrix<double, -1, -1>, 0,
Eigen::Stride<0, 0> >, 1> >, Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<double, -1, -1> >,
Eigen::internal::evaluator<Eigen::Product<Eigen::Map<Eigen::Matrix<double, -1,
-1>, 0, Eigen::Stride<0, 0> >, Eigen::Map<Eigen::Matrix<double, -1, -1>, 0,
Eigen::Stride<0, 0> >, 1> >, Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<double, -1, -1>; SrcXprType =
Eigen::Product<Eigen::Map<Eigen::Matrix<double, -1, -1>, 0, Eigen::Stride<0, 0>
>, Eigen::Map<Eigen::Matrix<double, -1, -1>, 0, Eigen::Stride<0, 0> >, 1>;
Functor = Eigen::internal::assign_op<double, double>]'
```

/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<double, -1, -1>; SrcXprType =
Eigen::Product<Eigen::Map<Eigen::Matrix<double, -1, -1>, 0, Eigen::Stride<0, 0>
>, Eigen::Map<Eigen::Matrix<double, -1, -1>, 0, Eigen::Stride<0, 0> >, 1>;
Functor = Eigen::internal::assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, -1>; Src =
Eigen::Product<Eigen::Map<Eigen::Matrix<double, -1, -1>, 0, Eigen::Stride<0, 0>
>, Eigen::Map<Eigen::Matrix<double, -1, -1>, 0, Eigen::Stride<0, 0> >, 1>; Func
= Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/ProductEvaluators.h:391:29:   required from 'static
void Eigen::internal::generic_product_impl<Lhs, Rhs, Eigen::DenseShape,
Eigen::DenseShape, 3>::evalTo(Dst&, const Lhs&, const Rhs&) [with Dst =
Eigen::Matrix<double, -1, -1>; Lhs = Eigen::Map<Eigen::Matrix<double, -1, -1>,
0, Eigen::Stride<0, 0> >; Rhs = Eigen::Map<Eigen::Matrix<double, -1, -1>, 0,
Eigen::Stride<0, 0> >]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/products/GeneralMatrixMatrix.h:431:26:   [skipping 6
instantiation contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/multiply.hpp:266:14:
required from 'stan::math::multiply_mat_vari<double, Ra, Ca, Tb,
Cb>::multiply_mat_vari(const Eigen::Matrix<double, R, C>&, const
Eigen::Matrix<Tb, N, Cb>&) [with int Ra = -1; int Ca = -1; Tb = stan::math::var;
int Cb = 1]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/multiply.hpp:603:9:
required from 'typename boost::enable_if_c<(boost::is_same<T1,
stan::math::var>::value || boost::is_same<T2, stan::math::var>::value),
Eigen::Matrix<stan::math::var, R1, C2> >::type stan::math::multiply(const
Eigen::Matrix<T, R, C>&, const Eigen::Matrix<Tb, Ca, Cb>&) [with Ta = double;
int Ra = -1; int Ca = -1; Tb = stan::math::var; int Cb = 1; typename
boost::enable_if_c<(boost::is_same<T1, stan::math::var>::value ||
boost::is_same<T2, stan::math::var>::value), Eigen::Matrix<stan::math::var, R1,
C2> >::type = Eigen::Matrix<stan::math::var, -1, 1>]'
/tmp/tmpqn66zojf/anon_model_6480e1d1f319fa39f3dae7fd542ccee9.hpp:257:64:
required from 'T__ anon_model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_m
odel_6480e1d1f319fa39f3dae7fd542ccee9::log_prob(std::vector<T_l>&,
std::vector<int>&, std::ostream*) const [with bool propto__ = true; bool
jacobian__ = true; T__ = stan::math::var; std::ostream =
std::basic_ostream<char>]'
/home/siyan/.local/lib/python3.10/site-

```
packages/pystan/stan/src/stan/model/log_prob_propto.hpp:46:11:    required from
'double stan::model::log_prob_propto(const M&, std::vector<double>&,
std::vector<int>&, std::ostream*) [with bool jacobian_adjust_transform = true; M
= anon_model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319
fa39f3dae7fd542ccee9; std::ostream = std::basic_ostream<char>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:1478:52:
required from 'double pystan::stan_fit<Model,
RNG_t>::log_prob(std::vector<double>, bool, bool) [with Model = anon_model_6480e
1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7fd542cce
e9; RNG_t = boost::random::additive_combine_engine<boost::random::linear_congrue
ntial_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7fd542ccee9_53816003179
20641068.cpp:22531:48:    required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |      MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
```

```
boolean context [-Wint-in-bool-context]
   90 |      MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                  ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, -1, -1> >, Eigen::internal::evaluator<Eigen::Product<Eigen::Matrix<double,
-1, -1>, Eigen::Matrix<double, -1, -1>, 1> >, Eigen::internal::assign_op<double,
double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<double, -1, -1> >,
Eigen::internal::evaluator<Eigen::Product<Eigen::Matrix<double, -1, -1>,
Eigen::Matrix<double, -1, -1>, 1> >, Eigen::internal::assign_op<double, double>,
0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<double, -1, -1>; SrcXprType =
Eigen::Product<Eigen::Matrix<double, -1, -1>, Eigen::Matrix<double, -1, -1>, 1>;
Functor = Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
```

gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<double, -1, -1>; SrcXprType =
Eigen::Product<Eigen::Matrix<double, -1, -1>, Eigen::Matrix<double, -1, -1>, 1>;
Functor = Eigen::internal::assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, -1>; Src = Eigen::Product<Eigen::Matrix<double,
-1, -1>, Eigen::Matrix<double, -1, -1>, 1>; Func =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/ProductEvaluators.h:391:29:   required from 'static
void Eigen::internal::generic_product_impl<Lhs, Rhs, Eigen::DenseShape,
Eigen::DenseShape, 3>::evalTo(Dst&, const Lhs&, const Rhs&) [with Dst =
Eigen::Matrix<double, -1, -1>; Lhs = Eigen::Matrix<double, -1, -1>; Rhs =
Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/products/GeneralMatrixMatrix.h:431:26:   [skipping 7
instantiation contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&) [with Dst =
Eigen::Matrix<double, -1, -1>; Src = Eigen::Product<Eigen::Matrix<double, -1,
-1>, Eigen::Matrix<double, -1, -1>, 0>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:710:32:   required from 'Derived&
Eigen::PlainObjectBase<Derived>::_set(const Eigen::DenseBase<OtherDerived>&)
[with OtherDerived = Eigen::Product<Eigen::Matrix<double, -1, -1>,
Eigen::Matrix<double, -1, -1>, 0>; Derived = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:225:24:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows, _MaxCols>&
Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::operator=(const Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::Product<Eigen::Matrix<double, -1, -1>, Eigen::Matrix<double, -1, -1>, 0>;
_Scalar = double; int _Rows = -1; int _Cols = -1; int _Options = 0; int _MaxRows
= -1; int _MaxCols = -1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/EigenBase.h:103:9:   required from 'void
Eigen::EigenBase<Derived>::applyThisOnTheRight(Dest&) const [with Dest =
Eigen::Matrix<double, -1, -1>; Derived = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/MatrixBase.h:500:38:   required from 'Derived&
Eigen::MatrixBase<Derived>::operator*=(const Eigen::EigenBase<OtherDerived>&)
[with OtherDerived = Eigen::Matrix<double, -1, -1>; Derived =
Eigen::Matrix<double, -1, -1>]'

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/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/fun/matrix_exp_action_handler.hpp:115:14:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
```

```
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Block<Eig
en::Matrix<double, -1, -1>, -1, 1, true> >, Eigen::internal::evaluator<Eigen::Cw
iseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Matrix<double, -1, 1> > >,
Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Blo
ck<Eigen::Matrix<double, -1, -1>, -1, 1, true> >, Eigen::internal::evaluator<Eig
en::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Matrix<double, -1, 1> > >,
Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Block<Eigen::Matrix<double, -1, -1>,
-1, 1, true>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Matrix<double, -1, 1> >; Functor =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1,
true>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
```

Eigen::Matrix<double, -1, 1> >, const Eigen::Matrix<double, -1, 1> >; Functor =
Eigen::internal::assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1, true>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Matrix<double, -1, 1> >; Func =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1, true>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Matrix<double, -1, 1> >; Func =
Eigen::internal::assign_op<double, double>; typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   [skipping 7 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:728:41:   required from 'Derived&
Eigen::PlainObjectBase<Derived>::_set_noalias(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived = Eigen::Product<Eigen::Cwis
eBinaryOp<Eigen::internal::scalar_difference_op<double, double>, const
Eigen::Matrix<double, -1, 1>, const Eigen::Matrix<double, -1, 1> >,
Eigen::Transpose<Eigen::Matrix<double, -1, 1> >, 0>; Derived =
Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:812:25:   required from 'void
Eigen::PlainObjectBase<Derived>::_init1(const Eigen::DenseBase<ElseDerived>&)
[with T = Eigen::Product<Eigen::CwiseBinaryOp<Eigen::internal::scalar_difference
_op<double, double>, const Eigen::Matrix<double, -1, 1>, const
Eigen::Matrix<double, -1, 1> >, Eigen::Transpose<Eigen::Matrix<double, -1, 1> >,
0>; OtherDerived = Eigen::Product<Eigen::CwiseBinaryOp<Eigen::internal::scalar_d
ifference_op<double, double>, const Eigen::Matrix<double, -1, 1>, const
Eigen::Matrix<double, -1, 1> >, Eigen::Transpose<Eigen::Matrix<double, -1, 1> >,
0>; Derived = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:296:31:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,

```
_MaxCols>::Matrix(const T&) [with T = Eigen::Product<Eigen::CwiseBinaryOp<Eigen:
:internal::scalar_difference_op<double, double>, const Eigen::Matrix<double, -1,
1>, const Eigen::Matrix<double, -1, 1> >, Eigen::Transpose<Eigen::Matrix<double,
-1, 1> >, 0>; _Scalar = double; int _Rows = -1; int _Cols = -1; int _Options =
0; int _MaxRows = -1; int _MaxCols = -1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:796:41:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename Eigen::
internal::enable_if<Eigen::internal::evaluator_assume_aliasing<Src>::value,
void*>::type) [with Dst = Eigen::Matrix<double, -1, -1>; Src = Eigen::Product<Ei
gen::CwiseBinaryOp<Eigen::internal::scalar_difference_op<double, double>, const
Eigen::Matrix<double, -1, 1>, const Eigen::Matrix<double, -1, 1> >,
Eigen::Transpose<Eigen::Matrix<double, -1, 1> >, 0>; Func =
Eigen::internal::add_assign_op<double, double>; typename Eigen::internal::enable
_if<Eigen::internal::evaluator_assume_aliasing<Src>::value, void*>::type =
void*; typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/CwiseBinaryOp.h:177:18:   required from 'Derived&
Eigen::MatrixBase<Derived>::operator+=(const Eigen::MatrixBase<OtherDerived>&)
[with OtherDerived = Eigen::Product<Eigen::CwiseBinaryOp<Eigen::internal::scalar
_difference_op<double, double>, const Eigen::Matrix<double, -1, 1>, const
Eigen::Matrix<double, -1, 1> >, Eigen::Transpose<Eigen::Matrix<double, -1, 1> >,
0>; Derived = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/fun/welford_covar_estimator.hpp:28:39:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
```

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packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                   ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Block<Eig
en::Block<Eigen::Map<Eigen::Matrix<stan::math::var, -1, -1>, 0, Eigen::Stride<0,
0> >, -1, -1, false>, -1, -1, false> >, Eigen::internal::evaluator<Eigen::Produc
t<Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var, -1, -1>,
0, Eigen::Stride<0, 0> >, -1, -1, false>, -1, -1, false>,
Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var, -1, -1>, 0,
Eigen::Stride<0, 0> >, -1, -1, false>, -1, -1, false>, 1> >,
```

Eigen::internal::sub_assign_op<stan::math::var, stan::math::var> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Blo
ck<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var, -1, -1>, 0,
Eigen::Stride<0, 0> >, -1, -1, false>, -1, -1, false> >, Eigen::internal::evalua
tor<Eigen::Product<Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math
::var, -1, -1>, 0, Eigen::Stride<0, 0> >, -1, -1, false>, -1, -1, false>,
Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var, -1, -1>, 0,
Eigen::Stride<0, 0> >, -1, -1, false>, -1, -1, false>, 1> >,
Eigen::internal::sub_assign_op<stan::math::var, stan::math::var>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType =
Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var, -1, -1>, 0,
Eigen::Stride<0, 0> >, -1, -1, false>, -1, -1, false>; SrcXprType = Eigen::Produ
ct<Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var, -1, -1>,
0, Eigen::Stride<0, 0> >, -1, -1, false>, -1, -1, false>,
Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var, -1, -1>, 0,
Eigen::Stride<0, 0> >, -1, -1, false>, -1, -1, false>, 1>; Functor =
Eigen::internal::sub_assign_op<stan::math::var, stan::math::var>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType =
Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var, -1, -1>, 0,
Eigen::Stride<0, 0> >, -1, -1, false>, -1, -1, false>; SrcXprType = Eigen::Produ
ct<Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var, -1, -1>,
0, Eigen::Stride<0, 0> >, -1, -1, false>, -1, -1, false>,
Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var, -1, -1>, 0,
Eigen::Stride<0, 0> >, -1, -1, false>, -1, -1, false>, 1>; Functor =
Eigen::internal::sub_assign_op<stan::math::var, stan::math::var>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var, -1,
-1>, 0, Eigen::Stride<0, 0> >, -1, -1, false>, -1, -1, false>; Src = Eigen::Prod
uct<Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var, -1, -1>,
0, Eigen::Stride<0, 0> >, -1, -1, false>, -1, -1, false>,
Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var, -1, -1>, 0,
Eigen::Stride<0, 0> >, -1, -1, false>, -1, -1, false>, 1>; Func =
Eigen::internal::sub_assign_op<stan::math::var, stan::math::var>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/ProductEvaluators.h:405:29:   required from 'static
void Eigen::internal::generic_product_impl<Lhs, Rhs, Eigen::DenseShape,
Eigen::DenseShape, 3>::subTo(Dst&, const Lhs&, const Rhs&) [with Dst =

Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var, -1, -1>, 0,
Eigen::Stride<0, 0> >, -1, -1, false>, -1, -1, false>; Lhs =
Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var, -1, -1>, 0,
Eigen::Stride<0, 0> >, -1, -1, false>, -1, -1, false>; Rhs =
Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var, -1, -1>, 0,
Eigen::Stride<0, 0> >, -1, -1, false>, -1, -1, false>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/products/GeneralMatrixMatrix.h:452:25:   [skipping 7
instantiation contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/LU/PartialPivLU.h:131:14:   required from
'Eigen::PartialPivLU<MatrixType>& Eigen::PartialPivLU<MatrixType>::compute(const
Eigen::EigenBase<OtherDerived>&) [with InputType =
Eigen::Matrix<stan::math::var, -1, -1>; _MatrixType =
Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/LU/PartialPivLU.h:323:10:   required from
'Eigen::PartialPivLU<MatrixType>::PartialPivLU(const
Eigen::EigenBase<OtherDerived>&) [with InputType =
Eigen::Matrix<stan::math::var, -1, -1>; _MatrixType =
Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/LU/PartialPivLU.h:591:10:   required from 'const
Eigen::PartialPivLU<typename Eigen::DenseBase<Derived>::PlainObject>
Eigen::MatrixBase<Derived>::partialPivLu() const [with Derived =
Eigen::Matrix<stan::math::var, -1, -1>; typename
Eigen::DenseBase<Derived>::PlainObject = Eigen::Matrix<stan::math::var, -1,
-1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/fun/matrix_exp_pade.hpp:28:53:   required from 'MatrixType
stan::math::matrix_exp_pade(const MatrixType&) [with MatrixType =
Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/matrix_exp.hpp:30:31:
required from 'Eigen::Matrix<LhsScalar, -1, -1, 0> stan::math::matrix_exp(const
Eigen::Matrix<LhsScalar, -1, -1, 0>&) [with T = stan::math::var]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/rev/mat/fun/matrix_exp_multiply.hpp:71:21:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 | MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~^~~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-

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packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
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packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, -1, 1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen::internal:
:scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Matrix<double, -1, 1> > >,
Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<double, -1, 1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen::int
ernal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Matrix<double, -1, 1> > >,
Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Matrix<double, -1, 1> >; Functor =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Matrix<double, -1, 1> >; Functor =
Eigen::internal::assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, 1>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Matrix<double, -1, 1> >; Func =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:728:41:   required from 'Derived&
Eigen::PlainObjectBase<Derived>::_set_noalias(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived =

Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Matrix<double, -1, 1> >; Derived =
Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:812:25:   [skipping 7 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/bfgs_update.hpp:43:23:   required
from 'Scalar stan::optimization::BFGSUpdate_HInv<Scalar,
DimAtCompile>::update(const VectorT&, const VectorT&, bool) [with Scalar =
double; int DimAtCompile = -1; stan::optimization::BFGSUpdate_HInv<Scalar,
DimAtCompile>::VectorT = Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/bfgs.hpp:239:37:   required from 'int
stan::optimization::BFGSMinimizer<FunctorType, QNUpdateType, Scalar,
DimAtCompile>::step() [with FunctorType = stan::optimization::ModelAdaptor<anon_
model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3d
ae7fd542ccee9>; QNUpdateType = stan::optimization::BFGSUpdate_HInv<>; Scalar =
double; int DimAtCompile = -1]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/optimize/bfgs.hpp:121:26:   required from
'int stan::services::optimize::bfgs(Model&, stan::io::var_context&, unsigned
int, unsigned int, double, double, double, double, double, double, double, int,
bool, int, stan::callbacks::interrupt&, stan::callbacks::logger&,
stan::callbacks::writer&, stan::callbacks::writer&) [with Model = anon_model_648
0e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7fd542c
cee9]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:886:45:
required from 'int pystan::{anonymous}::command(pystan::StanArgs&, Model&,
pystan::StanHolder&, const std::vector<long unsigned int>&, const
std::vector<std::__cxx11::basic_string<char> >&, RNG_t&) [with Model = anon_mode
l_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7f
d542ccee9; RNG_t = boost::random::additive_combine_engine<boost::random::linear_
congruential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:1536:22:
required from 'int pystan::stan_fit<Model,
RNG_t>::call_sampler(pystan::StanArgs&, pystan::StanHolder&) [with Model = anon_
model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3d
ae7fd542ccee9; RNG_t = boost::random::additive_combine_engine<boost::random::lin
ear_congruential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7fd542ccee9_53816003179
20641068.cpp:16014:45:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei

```
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                   ^~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
```

```
                   from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                   from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                   from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                   from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                   from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                   from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Block<Eig
en::Matrix<double, -1, -1>, -1, 1, true> >, Eigen::internal::evaluator<Eigen::Cw
iseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Matrix<double, -1, 1> > >,
Eigen::internal::add_assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Blo
ck<Eigen::Matrix<double, -1, -1>, -1, 1, true> >, Eigen::internal::evaluator<Eig
en::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Matrix<double, -1, 1> > >,
Eigen::internal::add_assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Block<Eigen::Matrix<double, -1, -1>,
-1, 1, true>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Matrix<double, -1, 1> >; Functor =
Eigen::internal::add_assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1,
true>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Matrix<double, -1, 1> >; Functor =
Eigen::internal::add_assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
```

gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1, true>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Matrix<double, -1, 1> >; Func =
Eigen::internal::add_assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1, true>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Matrix<double, -1, 1> >; Func =
Eigen::internal::add_assign_op<double, double>; typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/CwiseBinaryOp.h:177:18:   [skipping 7 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/bfgs_update.hpp:43:23:   required
from 'Scalar stan::optimization::BFGSUpdate_HInv<Scalar,
DimAtCompile>::update(const VectorT&, const VectorT&, bool) [with Scalar =
double; int DimAtCompile = -1; stan::optimization::BFGSUpdate_HInv<Scalar,
DimAtCompile>::VectorT = Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/bfgs.hpp:239:37:   required from 'int
stan::optimization::BFGSMinimizer<FunctorType, QNUpdateType, Scalar,
DimAtCompile>::step() [with FunctorType = stan::optimization::ModelAdaptor<anon_
model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3d
ae7fd542ccee9>; QNUpdateType = stan::optimization::BFGSUpdate_HInv<>; Scalar =
double; int DimAtCompile = -1]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/optimize/bfgs.hpp:121:26:   required from
'int stan::services::optimize::bfgs(Model&, stan::io::var_context&, unsigned
int, unsigned int, double, double, double, double, double, double, double, int,
bool, int, stan::callbacks::interrupt&, stan::callbacks::logger&,
stan::callbacks::writer&, stan::callbacks::writer&) [with Model = anon_model_648
0e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7fd542c
cee9]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:886:45:
required from 'int pystan::{anonymous}::command(pystan::StanArgs&, Model&,
pystan::StanHolder&, const std::vector<long unsigned int>&, const

```
std::vector<std::__cxx11::basic_string<char> >&, RNG_t&) [with Model = anon_mode
l_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7f
d542ccee9; RNG_t = boost::random::additive_combine_engine<boost::random::linear_
congruential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:1536:22:
required from 'int pystan::stan_fit<Model,
RNG_t>::call_sampler(pystan::StanArgs&, pystan::StanHolder&) [with Model = anon_
model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3d
ae7fd542ccee9; RNG_t = boost::random::additive_combine_engine<boost::random::lin
ear_congruential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7fd542ccee9_53816003179
20641068.cpp:16014:45:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
```

```
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                  ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Block<Eig
en::Ref<Eigen::Matrix<double, -1, -1> >, -1, 1, false> >, Eigen::internal::evalu
ator<Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>,
const Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Map<Eigen::Matrix<double, -1, 1>,
2, Eigen::Stride<0, 0> > > >, Eigen::internal::add_assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Blo
ck<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1, 1, false> >, Eigen::internal:
:evaluator<Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double,
double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Map<Eigen::Matrix<double, -1, 1>,
2, Eigen::Stride<0, 0> > > >, Eigen::internal::add_assign_op<double, double>,
0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
```

gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Block<Eigen::Ref<Eigen::Matrix<double,
-1, -1> >, -1, 1, false>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Map<Eigen::Matrix<double, -1, 1>,
2, Eigen::Stride<0, 0> > >; Functor = Eigen::internal::add_assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1,
-1> >, -1, 1, false>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Map<Eigen::Matrix<double, -1, 1>,
2, Eigen::Stride<0, 0> > >; Functor = Eigen::internal::add_assign_op<double,
double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1, 1, false>;
Src = Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>,
const Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Map<Eigen::Matrix<double, -1, 1>,
2, Eigen::Stride<0, 0> > >; Func = Eigen::internal::add_assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1, 1, false>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Map<Eigen::Matrix<double, -1, 1>,
2, Eigen::Stride<0, 0> > >; Func = Eigen::internal::add_assign_op<double,
double>; typename Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/CwiseBinaryOp.h:177:18:   [skipping 8 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LLT.h:321:38:   required from 'static Eigen::Index

```
Eigen::internal::llt_inplace<Scalar, 1>::unblocked(MatrixType&) [with MatrixType
= Eigen::Ref<Eigen::Matrix<double, -1, -1> >; Scalar = double; Eigen::Index =
long int]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LLT.h:333:23:   required from 'static Eigen::Index
Eigen::internal::llt_inplace<Scalar, 1>::blocked(MatrixType&) [with MatrixType =
Eigen::Ref<Eigen::Matrix<double, -1, -1> >; Scalar = double; Eigen::Index = long
int]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LLT.h:397:68:   required from 'static bool
Eigen::internal::LLT_Traits<MatrixType, 1>::inplace_decomposition(MatrixType&)
[with MatrixType = Eigen::Ref<Eigen::Matrix<double, -1, -1> >]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LLT.h:444:42:   required from
'Eigen::LLT<MatrixType, _UpLo>& Eigen::LLT<MatrixType, UpLo>::compute(const
Eigen::EigenBase<OtherDerived>&) [with InputType = Eigen::Matrix<double, -1,
-1>; _MatrixType = Eigen::Ref<Eigen::Matrix<double, -1, -1> >; int _UpLo = 1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LLT.h:111:14:   required from
'Eigen::LLT<MatrixType, UpLo>::LLT(Eigen::EigenBase<OtherDerived>&) [with
InputType = Eigen::Matrix<double, -1, -1>; _MatrixType =
Eigen::Ref<Eigen::Matrix<double, -1, -1> >; int _UpLo = 1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/rev/mat/fun/cholesky_decompose.hpp:244:69:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
```

```
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Block<Eig
en::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1, -1, false>, -1, 1,
false> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen::internal::scala
r_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Map<Eigen::Matrix<double, -1, 1>,
2, Eigen::Stride<0, 0> > > >, Eigen::internal::add_assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
```

:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Blo
ck<Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1, -1, false>, -1,
1, false> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen::internal::sc
alar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Map<Eigen::Matrix<double, -1, 1>,
2, Eigen::Stride<0, 0> > > >, Eigen::internal::add_assign_op<double, double>,
0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType =
Eigen::Block<Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1, -1,
false>, -1, 1, false>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Map<Eigen::Matrix<double, -1, 1>,
2, Eigen::Stride<0, 0> > >; Functor = Eigen::internal::add_assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType =
Eigen::Block<Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1, -1,
false>, -1, 1, false>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Map<Eigen::Matrix<double, -1, 1>,
2, Eigen::Stride<0, 0> > >; Functor = Eigen::internal::add_assign_op<double,
double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Block<Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1,
-1, false>, -1, 1, false>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Map<Eigen::Matrix<double, -1, 1>,
2, Eigen::Stride<0, 0> > >; Func = Eigen::internal::add_assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Block<Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1, -1,
false>, -1, 1, false>; Src =

```
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Map<Eigen::Matrix<double, -1, 1>,
2, Eigen::Stride<0, 0> > >; Func = Eigen::internal::add_assign_op<double,
double>; typename Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/CwiseBinaryOp.h:177:18:   [ skipping 8 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable ]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LLT.h:321:38:   required from 'static Eigen::Index
Eigen::internal::llt_inplace<Scalar, 1>::unblocked(MatrixType&) [with MatrixType
= Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1, -1, false>;
Scalar = double; Eigen::Index = long int]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LLT.h:352:24:   required from 'static Eigen::Index
Eigen::internal::llt_inplace<Scalar, 1>::blocked(MatrixType&) [with MatrixType =
Eigen::Ref<Eigen::Matrix<double, -1, -1> >; Scalar = double; Eigen::Index = long
int]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LLT.h:397:68:   required from 'static bool
Eigen::internal::LLT_Traits<MatrixType, 1>::inplace_decomposition(MatrixType&)
[with MatrixType = Eigen::Ref<Eigen::Matrix<double, -1, -1> >]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LLT.h:444:42:   required from
'Eigen::LLT<MatrixType, _UpLo>& Eigen::LLT<MatrixType, UpLo>::compute(const
Eigen::EigenBase<OtherDerived>&) [with InputType = Eigen::Matrix<double, -1,
-1>; _MatrixType = Eigen::Ref<Eigen::Matrix<double, -1, -1> >; int _UpLo = 1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LLT.h:111:14:   required from
'Eigen::LLT<MatrixType, UpLo>::LLT(Eigen::EigenBase<OtherDerived>&) [with
InputType = Eigen::Matrix<double, -1, -1>; _MatrixType =
Eigen::Ref<Eigen::Matrix<double, -1, -1> >; int _UpLo = 1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/rev/mat/fun/cholesky_decompose.hpp:244:69:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
```

```
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
```

```
                    from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<st
an::math::var, -1, -1> >, Eigen::internal::evaluator<Eigen::CwiseNullaryOp<Eigen
::internal::scalar_constant_op<stan::math::var>, Eigen::Matrix<stan::math::var,
-1, -1> > >, Eigen::internal::assign_op<stan::math::var, stan::math::var> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<stan::math::var, -1, -1> >, Eigen::internal::evaluator<Eigen::CwiseNullaryOp
<Eigen::internal::scalar_constant_op<stan::math::var>,
Eigen::Matrix<stan::math::var, -1, -1> > >,
Eigen::internal::assign_op<stan::math::var, stan::math::var>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<stan::math::var, -1, -1>;
SrcXprType =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
Eigen::Matrix<stan::math::var, -1, -1> >; Functor =
Eigen::internal::assign_op<stan::math::var, stan::math::var>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<stan::math::var, -1, -1>; SrcXprType
= Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
Eigen::Matrix<stan::math::var, -1, -1> >; Functor =
Eigen::internal::assign_op<stan::math::var, stan::math::var>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<stan::math::var, -1, -1>; Src =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
Eigen::Matrix<stan::math::var, -1, -1> >; Func =
Eigen::internal::assign_op<stan::math::var, stan::math::var>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Matrix<stan::math::var, -1, -1>; Src =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
Eigen::Matrix<stan::math::var, -1, -1> >; Func =
Eigen::internal::assign_op<stan::math::var, stan::math::var>; typename
Eigen::internal::enable_if<(!
```

```
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   [ skipping 8 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable ]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/NoAlias.h:42:31:   required from 'ExpressionType&
Eigen::NoAlias<ExpressionType, StorageBase>::operator=(const
StorageBase<OtherDerived>&) [with OtherDerived =
Eigen::Product<Eigen::Matrix<stan::math::var, -1, -1>,
Eigen::Matrix<stan::math::var, -1, -1>, 0>; ExpressionType =
Eigen::Matrix<stan::math::var, -1, -1>; StorageBase = Eigen::MatrixBase]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/fun/MatrixExponential.h:71:17:   required from 'void
Eigen::matrix_exp_pade3(const MatrixType&, MatrixType&, MatrixType&) [with
MatrixType = Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/fun/MatrixExponential.h:190:23:   required from 'static void
Eigen::matrix_exp_computeUV<MatrixType>::run(const MatrixType&, MatrixType&,
MatrixType&, int&, T) [with T = stan::math::var; MatrixType =
Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/fun/matrix_exp_pade.hpp:23:47:   required from 'MatrixType
stan::math::matrix_exp_pade(const MatrixType&) [with MatrixType =
Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/matrix_exp.hpp:30:31:
required from 'Eigen::Matrix<LhsScalar, -1, -1, 0> stan::math::matrix_exp(const
Eigen::Matrix<LhsScalar, -1, -1, 0>&) [with T = stan::math::var]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/rev/mat/fun/matrix_exp_multiply.hpp:71:21:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
```

packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 | MaySliceVectorize = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      | ^~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Block<Eig

en::Matrix<double, -1, 1>, -1, 1, false> >, Eigen::internal::evaluator<Eigen::Cw
iseNullaryOp<Eigen::internal::scalar_constant_op<double>, Eigen::Matrix<double,
-1, 1> > >, Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Blo
ck<Eigen::Matrix<double, -1, 1>, -1, 1, false> >, Eigen::internal::evaluator<Eig
en::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> > >, Eigen::internal::assign_op<double, double>,
0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Block<Eigen::Matrix<double, -1, 1>,
-1, 1, false>; SrcXprType =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; Functor = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Block<Eigen::Matrix<double, -1, 1>, -1, 1,
false>; SrcXprType =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; Functor = Eigen::internal::assign_op<double,
double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Block<Eigen::Matrix<double, -1, 1>, -1, 1, false>; Src =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; Func = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Block<Eigen::Matrix<double, -1, 1>, -1, 1, false>; Src =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; Func = Eigen::internal::assign_op<double,
double>; typename Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   [skipping 8 instantiation

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contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:367:35:   required from
'void Eigen::internal::tridiagonalization_inplace(MatrixType&, CoeffVectorType&)
[with MatrixType = Eigen::Matrix<double, -1, -1>; CoeffVectorType =
Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:445:31:   required from
'static void Eigen::internal::tridiagonalization_inplace_selector<MatrixType,
Size, IsComplex>::run(MatrixType&, DiagonalType&, SubDiagonalType&, bool) [with
DiagonalType = Eigen::Matrix<double, -1, 1>; SubDiagonalType =
Eigen::Matrix<double, -1, 1>; MatrixType = Eigen::Matrix<double, -1, -1>; int
Size = -1; bool IsComplex = false]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:430:55:   required from
'void Eigen::internal::tridiagonalization_inplace(MatrixType&, DiagonalType&,
SubDiagonalType&, bool) [with MatrixType = Eigen::Matrix<double, -1, -1>;
DiagonalType = Eigen::Matrix<double, -1, 1>; SubDiagonalType =
Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:437:39:   required from
'Eigen::SelfAdjointEigenSolver<MatrixType>&
Eigen::SelfAdjointEigenSolver<_MatrixType>::compute(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:168:14:   required from
'Eigen::SelfAdjointEigenSolver<_MatrixType>::SelfAdjointEigenSolver(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/newton.hpp:21:55:   required from
here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 | MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~^~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,

```
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                   ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
```

nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Block<Eig
en::Matrix<double, -1, -1>, -1, 1, false> >, Eigen::internal::evaluator<Eigen::C
wiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Map<Eigen::Matrix<double, -1, 1>,
2, Eigen::Stride<0, 0> > > >, Eigen::internal::add_assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Blo
ck<Eigen::Matrix<double, -1, -1>, -1, 1, false> >, Eigen::internal::evaluator<Ei
gen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Map<Eigen::Matrix<double, -1, 1>,
2, Eigen::Stride<0, 0> > > >, Eigen::internal::add_assign_op<double, double>,
0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Block<Eigen::Matrix<double, -1, -1>,
-1, 1, false>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Map<Eigen::Matrix<double, -1, 1>,
2, Eigen::Stride<0, 0> > >; Functor = Eigen::internal::add_assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1,
false>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Map<Eigen::Matrix<double, -1, 1>,
2, Eigen::Stride<0, 0> > >; Functor = Eigen::internal::add_assign_op<double,
double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1, false>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Map<Eigen::Matrix<double, -1, 1>,
2, Eigen::Stride<0, 0> > >; Func = Eigen::internal::add_assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename

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Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1, false>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Map<Eigen::Matrix<double, -1, 1>,
2, Eigen::Stride<0, 0> > >; Func = Eigen::internal::add_assign_op<double,
double>; typename Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/CwiseBinaryOp.h:177:18:    [ skipping 8 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable ]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LDLT.h:354:25:    required from 'static bool
Eigen::internal::ldlt_inplace<1>::unblocked(MatrixType&, TranspositionType&,
Workspace&, Eigen::internal::SignMatrix&) [with MatrixType =
Eigen::Matrix<double, -1, -1>; TranspositionType = Eigen::Transpositions<-1, -1,
int>; Workspace = Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LDLT.h:517:51:    required from
'Eigen::LDLT<MatrixType, _UpLo>& Eigen::LDLT<MatrixType, UpLo>::compute(const
Eigen::EigenBase<OtherDerived>&) [with InputType = Eigen::Matrix<double, -1,
-1>; _MatrixType = Eigen::Matrix<double, -1, -1>; int _UpLo = 1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LDLT.h:112:14:    required from
'Eigen::LDLT<MatrixType, UpLo>::LDLT(const Eigen::EigenBase<OtherDerived>&)
[with InputType = Eigen::Matrix<double, -1, -1>; _MatrixType =
Eigen::Matrix<double, -1, -1>; int _UpLo = 1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LDLT.h:664:10:    required from 'const
Eigen::LDLT<typename Eigen::DenseBase<Derived>::PlainObject>
Eigen::MatrixBase<Derived>::ldlt() const [with Derived = Eigen::Matrix<double,
-1, -1>; typename Eigen::DenseBase<Derived>::PlainObject = Eigen::Matrix<double,
-1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/err/check_pos_definite.hpp:40:63:    required from 'void
stan::math::check_pos_definite(const char*, const char*, const
Eigen::Matrix<LhsScalar, -1, -1, 0>&) [with T_y = double]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/util/validate_dense_inv_metric.hpp:23:41:
required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |      MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
```

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In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
```

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                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Map<Eigen
::Matrix<double, -1, 1>, 2, Eigen::Stride<0, 0> > >,
Eigen::internal::evaluator<Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1>
>, -1, 1, false> >, Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Map
<Eigen::Matrix<double, -1, 1>, 2, Eigen::Stride<0, 0> > >,
Eigen::internal::evaluator<Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1>
>, -1, 1, false> >, Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Map<Eigen::Matrix<double, -1, 1>, 2,
Eigen::Stride<0, 0> >; SrcXprType =
Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1, 1, false>; Functor
= Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Map<Eigen::Matrix<double, -1, 1>, 2,
Eigen::Stride<0, 0> >; SrcXprType =
Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1, 1, false>; Functor
= Eigen::internal::assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Map<Eigen::Matrix<double, -1, 1>, 2, Eigen::Stride<0, 0> >; Src =
Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1, 1, false>; Func =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Map<Eigen::Matrix<double, -1, 1>, 2, Eigen::Stride<0, 0> >; Src =
Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1, 1, false>; Func =
```

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Eigen::internal::assign_op<double, double>; typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   [ skipping 9 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable ]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LLT.h:321:38:   required from 'static Eigen::Index
Eigen::internal::llt_inplace<Scalar, 1>::unblocked(MatrixType&) [with MatrixType
= Eigen::Ref<Eigen::Matrix<double, -1, -1> >; Scalar = double; Eigen::Index =
long int]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LLT.h:333:23:   required from 'static Eigen::Index
Eigen::internal::llt_inplace<Scalar, 1>::blocked(MatrixType&) [with MatrixType =
Eigen::Ref<Eigen::Matrix<double, -1, -1> >; Scalar = double; Eigen::Index = long
int]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LLT.h:397:68:   required from 'static bool
Eigen::internal::LLT_Traits<MatrixType, 1>::inplace_decomposition(MatrixType&)
[with MatrixType = Eigen::Ref<Eigen::Matrix<double, -1, -1> >]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LLT.h:444:42:   required from
'Eigen::LLT<MatrixType, _UpLo>& Eigen::LLT<MatrixType, UpLo>::compute(const
Eigen::EigenBase<OtherDerived>&) [with InputType = Eigen::Matrix<double, -1,
-1>; _MatrixType = Eigen::Ref<Eigen::Matrix<double, -1, -1> >; int _UpLo = 1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LLT.h:111:14:   required from
'Eigen::LLT<MatrixType, UpLo>::LLT(Eigen::EigenBase<OtherDerived>&) [with
InputType = Eigen::Matrix<double, -1, -1>; _MatrixType =
Eigen::Ref<Eigen::Matrix<double, -1, -1> >; int _UpLo = 1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/rev/mat/fun/cholesky_decompose.hpp:244:69:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
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packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
```

gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Block<Eig
en::Ref<Eigen::Matrix<double, -1, -1> >, -1, 1, false> >,
Eigen::internal::evaluator<Eigen::Map<Eigen::Matrix<double, -1, 1>, 2,
Eigen::Stride<0, 0> > >, Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
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ck<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1, 1, false> >,
Eigen::internal::evaluator<Eigen::Map<Eigen::Matrix<double, -1, 1>, 2,
Eigen::Stride<0, 0> > >, Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Block<Eigen::Ref<Eigen::Matrix<double,
-1, -1> >, -1, 1, false>; SrcXprType = Eigen::Map<Eigen::Matrix<double, -1, 1>,
2, Eigen::Stride<0, 0> >; Functor = Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1,
-1> >, -1, 1, false>; SrcXprType = Eigen::Map<Eigen::Matrix<double, -1, 1>, 2,
Eigen::Stride<0, 0> >; Functor = Eigen::internal::assign_op<double, double>;
Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1, 1, false>;
Src = Eigen::Map<Eigen::Matrix<double, -1, 1>, 2, Eigen::Stride<0, 0> >; Func =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1, 1, false>; Src =
Eigen::Map<Eigen::Matrix<double, -1, 1>, 2, Eigen::Stride<0, 0> >; Func =
Eigen::internal::assign_op<double, double>; typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   [skipping 9 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LLT.h:321:38:   required from 'static Eigen::Index

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Eigen::internal::llt_inplace<Scalar, 1>::unblocked(MatrixType&) [with MatrixType
= Eigen::Ref<Eigen::Matrix<double, -1, -1> >; Scalar = double; Eigen::Index =
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gen_3.3.3/Eigen/src/Cholesky/LLT.h:397:68:   required from 'static bool
Eigen::internal::LLT_Traits<MatrixType, 1>::inplace_decomposition(MatrixType&)
[with MatrixType = Eigen::Ref<Eigen::Matrix<double, -1, -1> >]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LLT.h:444:42:   required from
'Eigen::LLT<MatrixType, _UpLo>& Eigen::LLT<MatrixType, UpLo>::compute(const
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-1>; _MatrixType = Eigen::Ref<Eigen::Matrix<double, -1, -1> >; int _UpLo = 1]'
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gen_3.3.3/Eigen/src/Cholesky/LLT.h:111:14:   required from
'Eigen::LLT<MatrixType, UpLo>::LLT(Eigen::EigenBase<OtherDerived>&) [with
InputType = Eigen::Matrix<double, -1, -1>; _MatrixType =
Eigen::Ref<Eigen::Matrix<double, -1, -1> >; int _UpLo = 1]'
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ath/rev/mat/fun/cholesky_decompose.hpp:244:69:   required from here
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gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
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~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~~
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packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
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packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
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packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
```

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packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |    MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Map<Eigen
::Matrix<double, -1, 1>, 2, Eigen::Stride<0, 0> > >, Eigen::internal::evaluator<
Eigen::Block<Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1, -1,
false>, -1, 1, false> >, Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Map
<Eigen::Matrix<double, -1, 1>, 2, Eigen::Stride<0, 0> > >, Eigen::internal::eval
uator<Eigen::Block<Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1,
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-1, false>, -1, 1, false> >, Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Map<Eigen::Matrix<double, -1, 1>, 2,
Eigen::Stride<0, 0> >; SrcXprType =
Eigen::Block<Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1, -1,
false>, -1, 1, false>; Functor = Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Map<Eigen::Matrix<double, -1, 1>, 2,
Eigen::Stride<0, 0> >; SrcXprType =
Eigen::Block<Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1, -1,
false>, -1, 1, false>; Functor = Eigen::internal::assign_op<double, double>;
Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Map<Eigen::Matrix<double, -1, 1>, 2, Eigen::Stride<0, 0> >; Src =
Eigen::Block<Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1, -1,
false>, -1, 1, false>; Func = Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Map<Eigen::Matrix<double, -1, 1>, 2, Eigen::Stride<0, 0> >; Src =
Eigen::Block<Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1, -1,
false>, -1, 1, false>; Func = Eigen::internal::assign_op<double, double>;
typename Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   [skipping 9 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LLT.h:321:38:   required from 'static Eigen::Index
Eigen::internal::llt_inplace<Scalar, 1>::unblocked(MatrixType&) [with MatrixType
= Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1, -1, false>;
Scalar = double; Eigen::Index = long int]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LLT.h:352:24:   required from 'static Eigen::Index
Eigen::internal::llt_inplace<Scalar, 1>::blocked(MatrixType&) [with MatrixType =
Eigen::Ref<Eigen::Matrix<double, -1, -1> >; Scalar = double; Eigen::Index = long
int]'

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/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LLT.h:397:68:   required from 'static bool
Eigen::internal::LLT_Traits<MatrixType, 1>::inplace_decomposition(MatrixType&)
[with MatrixType = Eigen::Ref<Eigen::Matrix<double, -1, -1> >]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LLT.h:444:42:   required from
'Eigen::LLT<MatrixType, _UpLo>& Eigen::LLT<MatrixType, UpLo>::compute(const
Eigen::EigenBase<OtherDerived>&) [with InputType = Eigen::Matrix<double, -1,
-1>; _MatrixType = Eigen::Ref<Eigen::Matrix<double, -1, -1> >; int _UpLo = 1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LLT.h:111:14:   required from
'Eigen::LLT<MatrixType, UpLo>::LLT(Eigen::EigenBase<OtherDerived>&) [with
InputType = Eigen::Matrix<double, -1, -1>; _MatrixType =
Eigen::Ref<Eigen::Matrix<double, -1, -1> >; int _UpLo = 1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/rev/mat/fun/cholesky_decompose.hpp:244:69:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
```

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gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                      ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Block<Eig
en::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1, -1, false>, -1, 1,
false> >, Eigen::internal::evaluator<Eigen::Map<Eigen::Matrix<double, -1, 1>, 2,
Eigen::Stride<0, 0> > >, Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Blo
ck<Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1, -1, false>, -1,
1, false> >, Eigen::internal::evaluator<Eigen::Map<Eigen::Matrix<double, -1, 1>,
2, Eigen::Stride<0, 0> > >, Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType =
Eigen::Block<Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1, -1,
false>, -1, 1, false>; SrcXprType = Eigen::Map<Eigen::Matrix<double, -1, 1>, 2,
Eigen::Stride<0, 0> >; Functor = Eigen::internal::assign_op<double, double>]'
```

/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType =
Eigen::Block<Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1, -1,
false>, -1, 1, false>; SrcXprType = Eigen::Map<Eigen::Matrix<double, -1, 1>, 2,
Eigen::Stride<0, 0> >; Functor = Eigen::internal::assign_op<double, double>;
Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Block<Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1,
-1, false>, -1, 1, false>; Src = Eigen::Map<Eigen::Matrix<double, -1, 1>, 2,
Eigen::Stride<0, 0> >; Func = Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Block<Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1, -1,
false>, -1, 1, false>; Src = Eigen::Map<Eigen::Matrix<double, -1, 1>, 2,
Eigen::Stride<0, 0> >; Func = Eigen::internal::assign_op<double, double>;
typename Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   [skipping 9 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LLT.h:321:38:   required from 'static Eigen::Index
Eigen::internal::llt_inplace<Scalar, 1>::unblocked(MatrixType&) [with MatrixType
= Eigen::Block<Eigen::Ref<Eigen::Matrix<double, -1, -1> >, -1, -1, false>;
Scalar = double; Eigen::Index = long int]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LLT.h:352:24:   required from 'static Eigen::Index
Eigen::internal::llt_inplace<Scalar, 1>::blocked(MatrixType&) [with MatrixType =
Eigen::Ref<Eigen::Matrix<double, -1, -1> >; Scalar = double; Eigen::Index = long
int]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LLT.h:397:68:   required from 'static bool
Eigen::internal::LLT_Traits<MatrixType, 1>::inplace_decomposition(MatrixType&)
[with MatrixType = Eigen::Ref<Eigen::Matrix<double, -1, -1> >]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LLT.h:444:42:   required from
'Eigen::LLT<MatrixType, _UpLo>& Eigen::LLT<MatrixType, UpLo>::compute(const
Eigen::EigenBase<OtherDerived>&) [with InputType = Eigen::Matrix<double, -1,

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-1>; _MatrixType = Eigen::Ref<Eigen::Matrix<double, -1, -1> >; int _UpLo = 1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LLT.h:111:14:   required from
'Eigen::LLT<MatrixType, UpLo>::LLT(Eigen::EigenBase<OtherDerived>&) [with
InputType = Eigen::Matrix<double, -1, -1>; _MatrixType =
Eigen::Ref<Eigen::Matrix<double, -1, -1> >; int _UpLo = 1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/rev/mat/fun/cholesky_decompose.hpp:244:69:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~
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                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
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gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
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      |                                                       ^~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
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packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Map<Eigen
::Matrix<double, -1, 1>, 2, Eigen::Stride<0, 0> > >,
Eigen::internal::evaluator<Eigen::Block<Eigen::Matrix<double, -1, 1>, -1, 1,
false> >, Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Map
<Eigen::Matrix<double, -1, 1>, 2, Eigen::Stride<0, 0> > >,
Eigen::internal::evaluator<Eigen::Block<Eigen::Matrix<double, -1, 1>, -1, 1,
false> >, Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Map<Eigen::Matrix<double, -1, 1>, 2,
Eigen::Stride<0, 0> >; SrcXprType = Eigen::Block<Eigen::Matrix<double, -1, 1>,
-1, 1, false>; Functor = Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Map<Eigen::Matrix<double, -1, 1>, 2,
Eigen::Stride<0, 0> >; SrcXprType = Eigen::Block<Eigen::Matrix<double, -1, 1>,
-1, 1, false>; Functor = Eigen::internal::assign_op<double, double>; Weak =
void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
```

gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Map<Eigen::Matrix<double, -1, 1>, 2, Eigen::Stride<0, 0> >; Src =
Eigen::Block<Eigen::Matrix<double, -1, 1>, -1, 1, false>; Func =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Map<Eigen::Matrix<double, -1, 1>, 2, Eigen::Stride<0, 0> >; Src =
Eigen::Block<Eigen::Matrix<double, -1, 1>, -1, 1, false>; Func =
Eigen::internal::assign_op<double, double>; typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   [skipping 9 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:367:35:   required from
'void Eigen::internal::tridiagonalization_inplace(MatrixType&, CoeffVectorType&)
[with MatrixType = Eigen::Matrix<double, -1, -1>; CoeffVectorType =
Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:445:31:   required from
'static void Eigen::internal::tridiagonalization_inplace_selector<MatrixType,
Size, IsComplex>::run(MatrixType&, DiagonalType&, SubDiagonalType&, bool) [with
DiagonalType = Eigen::Matrix<double, -1, 1>; SubDiagonalType =
Eigen::Matrix<double, -1, 1>; MatrixType = Eigen::Matrix<double, -1, -1>; int
Size = -1; bool IsComplex = false]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:430:55:   required from
'void Eigen::internal::tridiagonalization_inplace(MatrixType&, DiagonalType&,
SubDiagonalType&, bool) [with MatrixType = Eigen::Matrix<double, -1, -1>;
DiagonalType = Eigen::Matrix<double, -1, 1>; SubDiagonalType =
Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:437:39:   required from
'Eigen::SelfAdjointEigenSolver<MatrixType>&
Eigen::SelfAdjointEigenSolver<_MatrixType>::compute(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:168:14:   required from
'Eigen::SelfAdjointEigenSolver<_MatrixType>::SelfAdjointEigenSolver(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,

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-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/newton.hpp:21:55:   required from
here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                  ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
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packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Map<Eigen
::Matrix<double, -1, 1>, 0, Eigen::Stride<0, 0> > >,
Eigen::internal::evaluator<Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1,
-1>, -1, 1, true>, -1, 1, false> >, Eigen::internal::assign_op<double, double>
>':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Map
<Eigen::Matrix<double, -1, 1>, 0, Eigen::Stride<0, 0> > >,
Eigen::internal::evaluator<Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1,
-1>, -1, 1, true>, -1, 1, false> >, Eigen::internal::assign_op<double, double>,
0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Map<Eigen::Matrix<double, -1, 1>, 0,
Eigen::Stride<0, 0> >; SrcXprType =
Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1, true>, -1, 1,
false>; Functor = Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Map<Eigen::Matrix<double, -1, 1>, 0,
Eigen::Stride<0, 0> >; SrcXprType =
Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1, true>, -1, 1,
false>; Functor = Eigen::internal::assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void

```
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Map<Eigen::Matrix<double, -1, 1>, 0, Eigen::Stride<0, 0> >; Src =
Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1, true>, -1, 1,
false>; Func = Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Map<Eigen::Matrix<double, -1, 1>, 0, Eigen::Stride<0, 0> >; Src =
Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1, true>, -1, 1,
false>; Func = Eigen::internal::assign_op<double, double>; typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   [ skipping 9 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable ]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:367:35:   required from
'void Eigen::internal::tridiagonalization_inplace(MatrixType&, CoeffVectorType&)
[with MatrixType = Eigen::Matrix<double, -1, -1>; CoeffVectorType =
Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:445:31:   required from
'static void Eigen::internal::tridiagonalization_inplace_selector<MatrixType,
Size, IsComplex>::run(MatrixType&, DiagonalType&, SubDiagonalType&, bool) [with
DiagonalType = Eigen::Matrix<double, -1, 1>; SubDiagonalType =
Eigen::Matrix<double, -1, 1>; MatrixType = Eigen::Matrix<double, -1, -1>; int
Size = -1; bool IsComplex = false]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:430:55:   required from
'void Eigen::internal::tridiagonalization_inplace(MatrixType&, DiagonalType&,
SubDiagonalType&, bool) [with MatrixType = Eigen::Matrix<double, -1, -1>;
DiagonalType = Eigen::Matrix<double, -1, 1>; SubDiagonalType =
Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:437:39:   required from
'Eigen::SelfAdjointEigenSolver<MatrixType>&
Eigen::SelfAdjointEigenSolver<_MatrixType>::compute(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:168:14:   required from
'Eigen::SelfAdjointEigenSolver<_MatrixType>::SelfAdjointEigenSolver(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
```

/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/newton.hpp:21:55:   required from
here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 | MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
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      |
~~~~~~^~~~~~~~~~~~~~~~~~~~~
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packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
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/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 | MaySliceVectorize = bool(MightVectorize) &&
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      | ^~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,

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             from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
             from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
             from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
             from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
             from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
             from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
             from /home/siyan/.local/lib/python3.10/site-
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nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Block<Eig
en::Matrix<double, -1, 1>, -1, 1, false> >,
Eigen::internal::evaluator<Eigen::Map<Eigen::Matrix<double, -1, 1>, 2,
Eigen::Stride<0, 0> > >, Eigen::internal::assign_op<double, double> >':
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ck<Eigen::Matrix<double, -1, 1>, -1, 1, false> >,
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Eigen::Stride<0, 0> > >, Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Block<Eigen::Matrix<double, -1, 1>,
-1, 1, false>; SrcXprType = Eigen::Map<Eigen::Matrix<double, -1, 1>, 2,
Eigen::Stride<0, 0> >; Functor = Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Block<Eigen::Matrix<double, -1, 1>, -1, 1,
false>; SrcXprType = Eigen::Map<Eigen::Matrix<double, -1, 1>, 2,
Eigen::Stride<0, 0> >; Functor = Eigen::internal::assign_op<double, double>;
Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Block<Eigen::Matrix<double, -1, 1>, -1, 1, false>; Src =
Eigen::Map<Eigen::Matrix<double, -1, 1>, 2, Eigen::Stride<0, 0> >; Func =
Eigen::internal::assign_op<double, double>]'
```

/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Block<Eigen::Matrix<double, -1, 1>, -1, 1, false>; Src =
Eigen::Map<Eigen::Matrix<double, -1, 1>, 2, Eigen::Stride<0, 0> >; Func =
Eigen::internal::assign_op<double, double>; typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   [skipping 9 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:367:35:   required from
'void Eigen::internal::tridiagonalization_inplace(MatrixType&, CoeffVectorType&)
[with MatrixType = Eigen::Matrix<double, -1, -1>; CoeffVectorType =
Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:445:31:   required from
'static void Eigen::internal::tridiagonalization_inplace_selector<MatrixType,
Size, IsComplex>::run(MatrixType&, DiagonalType&, SubDiagonalType&, bool) [with
DiagonalType = Eigen::Matrix<double, -1, 1>; SubDiagonalType =
Eigen::Matrix<double, -1, 1>; MatrixType = Eigen::Matrix<double, -1, -1>; int
Size = -1; bool IsComplex = false]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:430:55:   required from
'void Eigen::internal::tridiagonalization_inplace(MatrixType&, DiagonalType&,
SubDiagonalType&, bool) [with MatrixType = Eigen::Matrix<double, -1, -1>;
DiagonalType = Eigen::Matrix<double, -1, 1>; SubDiagonalType =
Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:437:39:   required from
'Eigen::SelfAdjointEigenSolver<MatrixType>&
Eigen::SelfAdjointEigenSolver<_MatrixType>::compute(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:168:14:   required from
'Eigen::SelfAdjointEigenSolver<_MatrixType>::SelfAdjointEigenSolver(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/newton.hpp:21:55:   required from
here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei

```
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
```

```
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                    from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, -1, 1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen::internal:
:scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Map<Eigen::Matrix<double, -1, 1>,
2, Eigen::Stride<0, 0> > > >, Eigen::internal::add_assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<double, -1, 1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen::int
ernal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Map<Eigen::Matrix<double, -1, 1>,
2, Eigen::Stride<0, 0> > > >, Eigen::internal::add_assign_op<double, double>,
0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Map<Eigen::Matrix<double, -1, 1>,
2, Eigen::Stride<0, 0> > >; Functor = Eigen::internal::add_assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Map<Eigen::Matrix<double, -1, 1>,
2, Eigen::Stride<0, 0> > >; Functor = Eigen::internal::add_assign_op<double,
double>; Weak = void]'
```

/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, 1>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Map<Eigen::Matrix<double, -1, 1>,
2, Eigen::Stride<0, 0> > >; Func = Eigen::internal::add_assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Matrix<double, -1, 1>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Map<Eigen::Matrix<double, -1, 1>,
2, Eigen::Stride<0, 0> > >; Func = Eigen::internal::add_assign_op<double,
double>; typename Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/CwiseBinaryOp.h:177:18:   [skipping 9 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:296:31:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::Matrix(const T&) [with T = Eigen::Product<Eigen::Matrix<double, -1,
-1>, Eigen::Matrix<double, -1, 1>, 0>; _Scalar = double; int _Rows = -1; int
_Cols = 1; int _Options = 0; int _MaxRows = -1; int _MaxCols = 1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:796:41:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename Eigen::
internal::enable_if<Eigen::internal::evaluator_assume_aliasing<Src>::value,
void*>::type) [with Dst = Eigen::Matrix<double, -1, 1>; Src =
Eigen::Product<Eigen::Matrix<double, -1, -1>, Eigen::Matrix<double, -1, 1>, 0>;
Func = Eigen::internal::assign_op<double, double>; typename Eigen::internal::ena
ble_if<Eigen::internal::evaluator_assume_aliasing<Src>::value, void*>::type =
void*; typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&) [with Dst =
Eigen::Matrix<double, -1, 1>; Src = Eigen::Product<Eigen::Matrix<double, -1,
-1>, Eigen::Matrix<double, -1, 1>, 0>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei

gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:710:32:   required from 'Derived&
Eigen::PlainObjectBase<Derived>::_set(const Eigen::DenseBase<OtherDerived>&)
[with OtherDerived = Eigen::Product<Eigen::Matrix<double, -1, -1>,
Eigen::Matrix<double, -1, 1>, 0>; Derived = Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:225:24:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows, _MaxCols>&
Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::operator=(const Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::Product<Eigen::Matrix<double, -1, -1>, Eigen::Matrix<double, -1, 1>, 0>;
_Scalar = double; int _Rows = -1; int _Cols = 1; int _Options = 0; int _MaxRows
= -1; int _MaxCols = 1]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/newton.hpp:28:26:   required from
here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 | MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~^~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in

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boolean context [-Wint-in-bool-context]
   90 |      MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                 ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Map<Eigen
::Matrix<double, -1, 1>, 2, Eigen::Stride<0, 0> > >,
Eigen::internal::evaluator<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1,
false> >, Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Map
<Eigen::Matrix<double, -1, 1>, 2, Eigen::Stride<0, 0> > >,
Eigen::internal::evaluator<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1,
false> >, Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Map<Eigen::Matrix<double, -1, 1>, 2,
Eigen::Stride<0, 0> >; SrcXprType = Eigen::Block<Eigen::Matrix<double, -1, -1>,
-1, 1, false>; Functor = Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
```

```
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Map<Eigen::Matrix<double, -1, 1>, 2,
Eigen::Stride<0, 0> >; SrcXprType = Eigen::Block<Eigen::Matrix<double, -1, -1>,
-1, 1, false>; Functor = Eigen::internal::assign_op<double, double>; Weak =
void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Map<Eigen::Matrix<double, -1, 1>, 2, Eigen::Stride<0, 0> >; Src =
Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1, false>; Func =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Map<Eigen::Matrix<double, -1, 1>, 2, Eigen::Stride<0, 0> >; Src =
Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1, false>; Func =
Eigen::internal::assign_op<double, double>; typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   [ skipping 9 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable ]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LDLT.h:354:25:   required from 'static bool
Eigen::internal::ldlt_inplace<1>::unblocked(MatrixType&, TranspositionType&,
Workspace&, Eigen::internal::SignMatrix&) [with MatrixType =
Eigen::Matrix<double, -1, -1>; TranspositionType = Eigen::Transpositions<-1, -1,
int>; Workspace = Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LDLT.h:517:51:   required from
'Eigen::LDLT<MatrixType, _UpLo>& Eigen::LDLT<MatrixType, UpLo>::compute(const
Eigen::EigenBase<OtherDerived>&) [with InputType = Eigen::Matrix<double, -1,
-1>; _MatrixType = Eigen::Matrix<double, -1, -1>; int _UpLo = 1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LDLT.h:112:14:   required from
'Eigen::LDLT<MatrixType, UpLo>::LDLT(const Eigen::EigenBase<OtherDerived>&)
[with InputType = Eigen::Matrix<double, -1, -1>; _MatrixType =
Eigen::Matrix<double, -1, -1>; int _UpLo = 1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LDLT.h:664:10:   required from 'const
Eigen::LDLT<typename Eigen::DenseBase<Derived>::PlainObject>
Eigen::MatrixBase<Derived>::ldlt() const [with Derived = Eigen::Matrix<double,
-1, -1>; typename Eigen::DenseBase<Derived>::PlainObject = Eigen::Matrix<double,
```

```
-1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/err/check_pos_definite.hpp:40:63:    required from 'void
stan::math::check_pos_definite(const char*, const char*, const
Eigen::Matrix<LhsScalar, -1, -1, 0>&) [with T_y = double]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/util/validate_dense_inv_metric.hpp:23:41:
required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                ^~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
```

```
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Block<Eig
en::Matrix<double, -1, -1>, -1, 1, false> >,
Eigen::internal::evaluator<Eigen::Map<Eigen::Matrix<double, -1, 1>, 2,
Eigen::Stride<0, 0> > >, Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Blo
ck<Eigen::Matrix<double, -1, -1>, -1, 1, false> >,
Eigen::internal::evaluator<Eigen::Map<Eigen::Matrix<double, -1, 1>, 2,
Eigen::Stride<0, 0> > >, Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Block<Eigen::Matrix<double, -1, -1>,
-1, 1, false>; SrcXprType = Eigen::Map<Eigen::Matrix<double, -1, 1>, 2,
Eigen::Stride<0, 0> >; Functor = Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1,
false>; SrcXprType = Eigen::Map<Eigen::Matrix<double, -1, 1>, 2,
Eigen::Stride<0, 0> >; Functor = Eigen::internal::assign_op<double, double>;
Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
```

gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1, false>; Src =
Eigen::Map<Eigen::Matrix<double, -1, 1>, 2, Eigen::Stride<0, 0> >; Func =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1, false>; Src =
Eigen::Map<Eigen::Matrix<double, -1, 1>, 2, Eigen::Stride<0, 0> >; Func =
Eigen::internal::assign_op<double, double>; typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   [skipping 9 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LDLT.h:354:25:   required from 'static bool
Eigen::internal::ldlt_inplace<1>::unblocked(MatrixType&, TranspositionType&,
Workspace&, Eigen::internal::SignMatrix&) [with MatrixType =
Eigen::Matrix<double, -1, -1>; TranspositionType = Eigen::Transpositions<-1, -1,
int>; Workspace = Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LDLT.h:517:51:   required from
'Eigen::LDLT<MatrixType, _UpLo>& Eigen::LDLT<MatrixType, UpLo>::compute(const
Eigen::EigenBase<OtherDerived>&) [with InputType = Eigen::Matrix<double, -1,
-1>; _MatrixType = Eigen::Matrix<double, -1, -1>; int _UpLo = 1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LDLT.h:112:14:   required from
'Eigen::LDLT<MatrixType, UpLo>::LDLT(const Eigen::EigenBase<OtherDerived>&)
[with InputType = Eigen::Matrix<double, -1, -1>; _MatrixType =
Eigen::Matrix<double, -1, -1>; int _UpLo = 1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LDLT.h:664:10:   required from 'const
Eigen::LDLT<typename Eigen::DenseBase<Derived>::PlainObject>
Eigen::MatrixBase<Derived>::ldlt() const [with Derived = Eigen::Matrix<double,
-1, -1>; typename Eigen::DenseBase<Derived>::PlainObject = Eigen::Matrix<double,
-1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/err/check_pos_definite.hpp:40:63:   required from 'void
stan::math::check_pos_definite(const char*, const char*, const
Eigen::Matrix<LhsScalar, -1, -1, 0>&) [with T_y = double]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/util/validate_dense_inv_metric.hpp:23:41:

```
required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                  ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
```

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                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                    from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Block<Eig
en::Matrix<double, -1, -1>, -1, 1, true> >, Eigen::internal::evaluator<Eigen::Cw
iseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Matrix<double, -1, 1> > >,
Eigen::internal::sub_assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Blo
ck<Eigen::Matrix<double, -1, -1>, -1, 1, true> >, Eigen::internal::evaluator<Eig
en::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Matrix<double, -1, 1> > >,
Eigen::internal::sub_assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Block<Eigen::Matrix<double, -1, -1>,
-1, 1, true>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Matrix<double, -1, 1> >; Functor =
Eigen::internal::sub_assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1,
true>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Matrix<double, -1, 1> >; Functor =
```

Eigen::internal::sub_assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1, true>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Matrix<double, -1, 1> >; Func =
Eigen::internal::sub_assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1, true>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Matrix<double, -1, 1> >; Func =
Eigen::internal::sub_assign_op<double, double>; typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/CwiseBinaryOp.h:164:18:   [skipping 9 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/bfgs_update.hpp:34:24:   required
from 'Scalar stan::optimization::BFGSUpdate_HInv<Scalar,
DimAtCompile>::update(const VectorT&, const VectorT&, bool) [with Scalar =
double; int DimAtCompile = -1; stan::optimization::BFGSUpdate_HInv<Scalar,
DimAtCompile>::VectorT = Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/bfgs.hpp:239:37:   required from 'int
stan::optimization::BFGSMinimizer<FunctorType, QNUpdateType, Scalar,
DimAtCompile>::step() [with FunctorType = stan::optimization::ModelAdaptor<anon_
model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3d
ae7fd542ccee9>; QNUpdateType = stan::optimization::BFGSUpdate_HInv<>; Scalar =
double; int DimAtCompile = -1]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/optimize/bfgs.hpp:121:26:   required from
'int stan::services::optimize::bfgs(Model&, stan::io::var_context&, unsigned
int, unsigned int, double, double, double, double, double, double, double, int,
bool, int, stan::callbacks::interrupt&, stan::callbacks::logger&,
stan::callbacks::writer&, stan::callbacks::writer&) [with Model = anon_model_648
0e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7fd542c
cee9]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:886:45:

required from 'int pystan::{anonymous}::command(pystan::StanArgs&, Model&, pystan::StanHolder&, const std::vector<long unsigned int>&, const std::vector<std::__cxx11::basic_string<char> >&, RNG_t&) [with Model = anon_model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7fd542ccee9; RNG_t = boost::random::additive_combine_engine<boost::random::linear_congruential_engine<unsigned int, 40014, 0, 2147483563>, boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399> >]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:1536:22: required from 'int pystan::stan_fit<Model, RNG_t>::call_sampler(pystan::StanArgs&, pystan::StanHolder&) [with Model = anon_model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7fd542ccee9; RNG_t = boost::random::additive_combine_engine<boost::random::linear_congruential_engine<unsigned int, 40014, 0, 2147483563>, boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399> >]'
/tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7fd542ccee9_5381600317920641068.cpp:16014:45:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in boolean context [-Wint-in-bool-context]
   86 | MayLinearVectorize = bool(MightVectorize) && MayLinearize && DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7

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fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                    ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Block<Eig
en::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, -1, 1, false> >, Eigen:
:internal::evaluator<Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<d
ouble>, Eigen::Matrix<double, -1, 1> > >, Eigen::internal::div_assign_op<double,
double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Blo
ck<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, -1, 1, false> >,
Eigen::internal::evaluator<Eigen::CwiseNullaryOp<Eigen::internal::scalar_constan
t_op<double>, Eigen::Matrix<double, -1, 1> > >,
Eigen::internal::div_assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
```

const Functor&) [with DstXprType =
Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, -1, 1,
false>; SrcXprType =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; Functor = Eigen::internal::div_assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1,
-1>, -1, -1, false>, -1, 1, false>; SrcXprType =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; Functor = Eigen::internal::div_assign_op<double,
double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>,
-1, 1, false>; Src =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; Func = Eigen::internal::div_assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, -1,
1, false>; Src =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; Func = Eigen::internal::div_assign_op<double,
double>; typename Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/SelfCwiseBinaryOp.h:45:28:   [skipping 9 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/util/run_adaptive_sampler.hpp:53:32:
required from 'void stan::services::util::run_adaptive_sampler(Sampler&, Model&,
std::vector<double>&, int, int, int, int, bool, RNG&,
stan::callbacks::interrupt&, stan::callbacks::logger&, stan::callbacks::writer&,
stan::callbacks::writer&) [with Sampler = stan::mcmc::adapt_dense_e_nuts<anon_mo
del_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae
7fd542ccee9, boost::random::additive_combine_engine<boost::random::linear_congru
ential_engine<unsigned int, 40014, 0, 2147483563>,

```
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399> >
>; Model = anon_model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_648
0e1d1f319fa39f3dae7fd542ccee9; RNG = boost::random::additive_combine_engine<boos
t::random::linear_congruential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/sample/hmc_nuts_dense_e_adapt.hpp:107:35:
required from 'int stan::services::sample::hmc_nuts_dense_e_adapt(Model&,
stan::io::var_context&, stan::io::var_context&, unsigned int, unsigned int,
double, int, int, int, bool, int, double, double, int, double, double, double,
double, unsigned int, unsigned int, unsigned int, stan::callbacks::interrupt&,
stan::callbacks::logger&, stan::callbacks::writer&, stan::callbacks::writer&,
stan::callbacks::writer&) [with Model = anon_model_6480e1d1f319fa39f3dae7fd542cc
ee9_namespace::anon_model_6480e1d1f319fa39f3dae7fd542ccee9]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/sample/hmc_nuts_dense_e_adapt.hpp:166:38:
required from 'int stan::services::sample::hmc_nuts_dense_e_adapt(Model&,
stan::io::var_context&, unsigned int, unsigned int, double, int, int, int, bool,
int, double, double, int, double, double, double, double, unsigned int, unsigned
int, unsigned int, stan::callbacks::interrupt&, stan::callbacks::logger&,
stan::callbacks::writer&, stan::callbacks::writer&, stan::callbacks::writer&)
[with Model = anon_model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_
6480e1d1f319fa39f3dae7fd542ccee9]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:1008:41:
required from 'int pystan::{anonymous}::command(pystan::StanArgs&, Model&,
pystan::StanHolder&, const std::vector<long unsigned int>&, const
std::vector<std::__cxx11::basic_string<char> >&, RNG_t&) [with Model = anon_mode
l_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7f
d542ccee9; RNG_t = boost::random::additive_combine_engine<boost::random::linear_
congruential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:1536:22:
required from 'int pystan::stan_fit<Model,
RNG_t>::call_sampler(pystan::StanArgs&, pystan::StanHolder&) [with Model = anon_
model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3d
ae7fd542ccee9; RNG_t = boost::random::additive_combine_engine<boost::random::lin
ear_congruential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7fd542ccee9_53816003179
20641068.cpp:16014:45:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
```

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        |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
```

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                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Diagonal<
Eigen::Matrix<double, 4, 4>, 0> >, Eigen::internal::evaluator<Eigen::CwiseNullar
yOp<Eigen::internal::scalar_constant_op<double>, Eigen::Matrix<double, 4, 1> >
>, Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Dia
gonal<Eigen::Matrix<double, 4, 4>, 0> >, Eigen::internal::evaluator<Eigen::Cwise
NullaryOp<Eigen::internal::scalar_constant_op<double>, Eigen::Matrix<double, 4,
1> > >, Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Diagonal<Eigen::Matrix<double, 4, 4>,
0>; SrcXprType =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, 4, 1> >; Functor = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Diagonal<Eigen::Matrix<double, 4, 4>, 0>;
SrcXprType = Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, 4, 1> >; Functor = Eigen::internal::assign_op<double,
double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Diagonal<Eigen::Matrix<double, 4, 4>, 0>; Src =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, 4, 1> >; Func = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
```

```
= Eigen::Diagonal<Eigen::Matrix<double, 4, 4>, 0>; Src =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, 4, 1> >; Func = Eigen::internal::assign_op<double,
double>; typename Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   [ skipping 10 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable ]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, -1>; Src =
Eigen::Product<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>,
Eigen::TriangularView<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1,
false>, 1>, 0>; Func = Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:728:41:   required from 'Derived&
Eigen::PlainObjectBase<Derived>::_set_noalias(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::Product<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>,
Eigen::TriangularView<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1,
false>, 1>, 0>; Derived = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:812:25:   required from 'void
Eigen::PlainObjectBase<Derived>::_init1(const Eigen::DenseBase<ElseDerived>&)
[with T = Eigen::Product<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1,
false>, Eigen::TriangularView<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1,
-1, false>, 1>, 0>; OtherDerived =
Eigen::Product<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>,
Eigen::TriangularView<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1,
false>, 1>, 0>; Derived = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:296:31:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::Matrix(const T&) [with T =
Eigen::Product<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>,
Eigen::TriangularView<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1,
false>, 1>, 0>; _Scalar = double; int _Rows = -1; int _Cols = -1; int _Options =
0; int _MaxRows = -1; int _MaxCols = -1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/DenseBase.h:406:48:   required from
'Eigen::DenseBase<Derived>::EvalReturnType Eigen::DenseBase<Derived>::eval()
const [with Derived = Eigen::Product<Eigen::Block<Eigen::Matrix<double, -1, -1>,
-1, -1, false>, Eigen::TriangularView<Eigen::Block<Eigen::Matrix<double, -1,
-1>, -1, -1, false>, 1>, 0>; Eigen::DenseBase<Derived>::EvalReturnType = const
Eigen::Matrix<double, -1, -1>]'
```

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/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/rev/mat/fun/cholesky_decompose.hpp:74:51:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
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packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Triangula
rView<Eigen::Matrix<double, -1, -1>, 10> >, Eigen::internal::evaluator<Eigen::Cw
iseNullaryOp<Eigen::internal::scalar_constant_op<double>, Eigen::Matrix<double,
-1, -1> > >, Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Tri
angularView<Eigen::Matrix<double, -1, -1>, 10> >, Eigen::internal::evaluator<Eig
en::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, -1> > >, Eigen::internal::assign_op<double, double>,
0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/TriangularMatrix.h:736:7:   required from 'class
Eigen::internal::triangular_dense_assignment_kernel<2, 8, 0,
Eigen::internal::evaluator<Eigen::TriangularView<Eigen::Matrix<double, -1, -1>,
10> >, Eigen::internal::evaluator<Eigen::CwiseNullaryOp<Eigen::internal::scalar_
constant_op<double>, Eigen::Matrix<double, -1, -1> > >,
Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/TriangularMatrix.h:799:10:   required from 'void
Eigen::internal::call_triangular_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with int Mode = 10; bool SetOpposite = false; DstXprType =
Eigen::TriangularView<Eigen::Matrix<double, -1, -1>, 10>; SrcXprType =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, -1> >; Functor = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/TriangularMatrix.h:847:61:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Triangular>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::TriangularView<Eigen::Matrix<double, -1,

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-1>, 10>; SrcXprType =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, -1> >; Functor = Eigen::internal::assign_op<double,
double>]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::TriangularView<Eigen::Matrix<double, -1, -1>, 10>; Src =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, -1> >; Func = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/TriangularMatrix.h:560:37:   [skipping 11
instantiation contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:238:29:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows, _MaxCols>&
Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::operator=(const Eigen::EigenBase<OtherDerived>&) [with OtherDerived =
Eigen::HouseholderSequence<Eigen::Matrix<double, -1, -1>, Eigen::Matrix<double,
-1, 1>, 1>; _Scalar = double; int _Rows = -1; int _Cols = -1; int _Options = 0;
int _MaxRows = -1; int _MaxCols = -1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:449:11:   required from
'static void Eigen::internal::tridiagonalization_inplace_selector<MatrixType,
Size, IsComplex>::run(MatrixType&, DiagonalType&, SubDiagonalType&, bool) [with
DiagonalType = Eigen::Matrix<double, -1, 1>; SubDiagonalType =
Eigen::Matrix<double, -1, 1>; MatrixType = Eigen::Matrix<double, -1, -1>; int
Size = -1; bool IsComplex = false]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:430:55:   required from
'void Eigen::internal::tridiagonalization_inplace(MatrixType&, DiagonalType&,
SubDiagonalType&, bool) [with MatrixType = Eigen::Matrix<double, -1, -1>;
DiagonalType = Eigen::Matrix<double, -1, 1>; SubDiagonalType =
Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:437:39:   required from
'Eigen::SelfAdjointEigenSolver<MatrixType>&
Eigen::SelfAdjointEigenSolver<_MatrixType>::compute(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:168:14:   required from
'Eigen::SelfAdjointEigenSolver<_MatrixType>::SelfAdjointEigenSolver(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/newton.hpp:21:55:   required from

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here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                   ^~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
```

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                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Block<Eig
en::Matrix<double, -1, -1>, -1, -1, false> >, Eigen::internal::evaluator<Eigen::
CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, -1> > >, Eigen::internal::mul_assign_op<double,
double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Blo
ck<Eigen::Matrix<double, -1, -1>, -1, -1, false> >, Eigen::internal::evaluator<E
igen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, -1> > >, Eigen::internal::mul_assign_op<double,
double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Block<Eigen::Matrix<double, -1, -1>,
-1, -1, false>; SrcXprType =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, -1> >; Functor =
Eigen::internal::mul_assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1,
false>; SrcXprType =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, -1> >; Functor =
Eigen::internal::mul_assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
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Dst = Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>; Src =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, -1> >; Func = Eigen::internal::mul_assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>; Src =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, -1> >; Func = Eigen::internal::mul_assign_op<double,
double>; typename Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/SelfCwiseBinaryOp.h:21:28:   [skipping 10
instantiation contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:238:29:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows, _MaxCols>&
Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::operator=(const Eigen::EigenBase<OtherDerived>&) [with OtherDerived =
Eigen::HouseholderSequence<Eigen::Matrix<double, -1, -1>, Eigen::Matrix<double,
-1, 1>, 1>; _Scalar = double; int _Rows = -1; int _Cols = -1; int _Options = 0;
int _MaxRows = -1; int _MaxCols = -1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:449:11:   required from
'static void Eigen::internal::tridiagonalization_inplace_selector<MatrixType,
Size, IsComplex>::run(MatrixType&, DiagonalType&, SubDiagonalType&, bool) [with
DiagonalType = Eigen::Matrix<double, -1, 1>; SubDiagonalType =
Eigen::Matrix<double, -1, 1>; MatrixType = Eigen::Matrix<double, -1, -1>; int
Size = -1; bool IsComplex = false]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:430:55:   required from
'void Eigen::internal::tridiagonalization_inplace(MatrixType&, DiagonalType&,
SubDiagonalType&, bool) [with MatrixType = Eigen::Matrix<double, -1, -1>;
DiagonalType = Eigen::Matrix<double, -1, 1>; SubDiagonalType =
Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:437:39:   required from
'Eigen::SelfAdjointEigenSolver<MatrixType>&
Eigen::SelfAdjointEigenSolver<_MatrixType>::compute(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:168:14:   required from

```
'Eigen::SelfAdjointEigenSolver<_MatrixType>::SelfAdjointEigenSolver(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/newton.hpp:21:55:   required from
here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                  ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
```

packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Map<Eigen
::Matrix<double, -1, 1>, 0, Eigen::Stride<0, 0> > >,
Eigen::internal::evaluator<Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1,
-1>, -1, -1, false>, -1, 1, true> >, Eigen::internal::add_assign_op<double,
double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Map
<Eigen::Matrix<double, -1, 1>, 0, Eigen::Stride<0, 0> > >,
Eigen::internal::evaluator<Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1,
-1>, -1, -1, false>, -1, 1, true> >, Eigen::internal::add_assign_op<double,
double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Map<Eigen::Matrix<double, -1, 1>, 0,
Eigen::Stride<0, 0> >; SrcXprType =
Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, -1, 1,
true>; Functor = Eigen::internal::add_assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Map<Eigen::Matrix<double, -1, 1>, 0,
Eigen::Stride<0, 0> >; SrcXprType =
Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, -1, 1,
true>; Functor = Eigen::internal::add_assign_op<double, double>; Weak = void]'

/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49: required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Map<Eigen::Matrix<double, -1, 1>, 0, Eigen::Stride<0, 0> >; Src =
Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, -1, 1,
true>; Func = Eigen::internal::add_assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27: required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Map<Eigen::Matrix<double, -1, 1>, 0, Eigen::Stride<0, 0> >; Src =
Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, -1, 1,
true>; Func = Eigen::internal::add_assign_op<double, double>; typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/CwiseBinaryOp.h:177:18: [skipping 10 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:238:29: required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows, _MaxCols>&
Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::operator=(const Eigen::EigenBase<OtherDerived>&) [with OtherDerived =
Eigen::HouseholderSequence<Eigen::Matrix<double, -1, -1>, Eigen::Matrix<double,
-1, 1>, 1>; _Scalar = double; int _Rows = -1; int _Cols = -1; int _Options = 0;
int _MaxRows = -1; int _MaxCols = -1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:449:11: required from
'static void Eigen::internal::tridiagonalization_inplace_selector<MatrixType,
Size, IsComplex>::run(MatrixType&, DiagonalType&, SubDiagonalType&, bool) [with
DiagonalType = Eigen::Matrix<double, -1, 1>; SubDiagonalType =
Eigen::Matrix<double, -1, 1>; MatrixType = Eigen::Matrix<double, -1, -1>; int
Size = -1; bool IsComplex = false]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:430:55: required from
'void Eigen::internal::tridiagonalization_inplace(MatrixType&, DiagonalType&,
SubDiagonalType&, bool) [with MatrixType = Eigen::Matrix<double, -1, -1>;
DiagonalType = Eigen::Matrix<double, -1, 1>; SubDiagonalType =
Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:437:39: required from
'Eigen::SelfAdjointEigenSolver<MatrixType>&
Eigen::SelfAdjointEigenSolver<_MatrixType>::compute(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'

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/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:168:14:   required from
'Eigen::SelfAdjointEigenSolver<_MatrixType>::SelfAdjointEigenSolver(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/newton.hpp:21:55:   required from
here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                   ^~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
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packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Block<Eig
en::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, -1, 1, true> >, Eigen::
internal::evaluator<Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<doub
le, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Map<Eigen::Matrix<double, -1, 1>,
0, Eigen::Stride<0, 0> > > >, Eigen::internal::sub_assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Blo
ck<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, -1, 1, true> >, E
igen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_o
p<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Map<Eigen::Matrix<double, -1, 1>,
0, Eigen::Stride<0, 0> > > >, Eigen::internal::sub_assign_op<double, double>,
0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType =
Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, -1, 1,
true>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
```

Eigen::Matrix<double, -1, 1> >, const Eigen::Map<Eigen::Matrix<double, -1, 1>,
0, Eigen::Stride<0, 0> > >; Functor = Eigen::internal::sub_assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1,
-1>, -1, -1, false>, -1, 1, true>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Map<Eigen::Matrix<double, -1, 1>,
0, Eigen::Stride<0, 0> > >; Functor = Eigen::internal::sub_assign_op<double,
double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>,
-1, 1, true>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Map<Eigen::Matrix<double, -1, 1>,
0, Eigen::Stride<0, 0> > >; Func = Eigen::internal::sub_assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, -1,
1, true>; Src = Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double,
double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Map<Eigen::Matrix<double, -1, 1>,
0, Eigen::Stride<0, 0> > >; Func = Eigen::internal::sub_assign_op<double,
double>; typename Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/CwiseBinaryOp.h:164:18:   [skipping 10 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:238:29:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows, _MaxCols>&
Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::operator=(const Eigen::EigenBase<OtherDerived>&) [with OtherDerived =
Eigen::HouseholderSequence<Eigen::Matrix<double, -1, -1>, Eigen::Matrix<double,

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-1, 1>, 1>; _Scalar = double; int _Rows = -1; int _Cols = -1; int _Options = 0;
int _MaxRows = -1; int _MaxCols = -1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:449:11:   required from
'static void Eigen::internal::tridiagonalization_inplace_selector<MatrixType,
Size, IsComplex>::run(MatrixType&, DiagonalType&, SubDiagonalType&, bool) [with
DiagonalType = Eigen::Matrix<double, -1, 1>; SubDiagonalType =
Eigen::Matrix<double, -1, 1>; MatrixType = Eigen::Matrix<double, -1, -1>; int
Size = -1; bool IsComplex = false]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:430:55:   required from
'void Eigen::internal::tridiagonalization_inplace(MatrixType&, DiagonalType&,
SubDiagonalType&, bool) [with MatrixType = Eigen::Matrix<double, -1, -1>;
DiagonalType = Eigen::Matrix<double, -1, 1>; SubDiagonalType =
Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:437:39:   required from
'Eigen::SelfAdjointEigenSolver<MatrixType>&
Eigen::SelfAdjointEigenSolver<_MatrixType>::compute(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:168:14:   required from
'Eigen::SelfAdjointEigenSolver<_MatrixType>::SelfAdjointEigenSolver(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/newton.hpp:21:55:   required from
here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
```

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              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
              from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
              from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Map<Eigen
::Matrix<double, 1, -1>, 0, Eigen::Stride<0, 0> > >,
Eigen::internal::evaluator<Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1,
-1>, -1, -1, false>, 1, -1, false> >, Eigen::internal::add_assign_op<double,
```

double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Map
<Eigen::Matrix<double, 1, -1>, 0, Eigen::Stride<0, 0> > >,
Eigen::internal::evaluator<Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1,
-1>, -1, -1, false>, 1, -1, false> >, Eigen::internal::add_assign_op<double,
double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Map<Eigen::Matrix<double, 1, -1>, 0,
Eigen::Stride<0, 0> >; SrcXprType =
Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, 1, -1,
false>; Functor = Eigen::internal::add_assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Map<Eigen::Matrix<double, 1, -1>, 0,
Eigen::Stride<0, 0> >; SrcXprType =
Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, 1, -1,
false>; Functor = Eigen::internal::add_assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Map<Eigen::Matrix<double, 1, -1>, 0, Eigen::Stride<0, 0> >; Src =
Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, 1, -1,
false>; Func = Eigen::internal::add_assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Map<Eigen::Matrix<double, 1, -1>, 0, Eigen::Stride<0, 0> >; Src =
Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, 1, -1,
false>; Func = Eigen::internal::add_assign_op<double, double>; typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/CwiseBinaryOp.h:177:18:   [skipping 10 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:238:29:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows, _MaxCols>&
Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,

```
_MaxCols>::operator=(const Eigen::EigenBase<OtherDerived>&) [with OtherDerived =
Eigen::HouseholderSequence<Eigen::Matrix<double, -1, -1>, Eigen::Matrix<double,
-1, 1>, 1>; _Scalar = double; int _Rows = -1; int _Cols = -1; int _Options = 0;
int _MaxRows = -1; int _MaxCols = -1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:449:11:   required from
'static void Eigen::internal::tridiagonalization_inplace_selector<MatrixType,
Size, IsComplex>::run(MatrixType&, DiagonalType&, SubDiagonalType&, bool) [with
DiagonalType = Eigen::Matrix<double, -1, 1>; SubDiagonalType =
Eigen::Matrix<double, -1, 1>; MatrixType = Eigen::Matrix<double, -1, -1>; int
Size = -1; bool IsComplex = false]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:430:55:   required from
'void Eigen::internal::tridiagonalization_inplace(MatrixType&, DiagonalType&,
SubDiagonalType&, bool) [with MatrixType = Eigen::Matrix<double, -1, -1>;
DiagonalType = Eigen::Matrix<double, -1, 1>; SubDiagonalType =
Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:437:39:   required from
'Eigen::SelfAdjointEigenSolver<MatrixType>&
Eigen::SelfAdjointEigenSolver<_MatrixType>::compute(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:168:14:   required from
'Eigen::SelfAdjointEigenSolver<_MatrixType>::SelfAdjointEigenSolver(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/newton.hpp:21:55:   required from
here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
```

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                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Block<Eig
en::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, 1, -1, false> >, Eigen:
```

```
:internal::evaluator<Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<dou
ble, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, 1, -1> >, const Eigen::Map<Eigen::Matrix<double, 1, -1>,
0, Eigen::Stride<0, 0> > > >, Eigen::internal::sub_assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Blo
ck<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, 1, -1, false> >,
Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_
op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, 1, -1> >, const Eigen::Map<Eigen::Matrix<double, 1, -1>,
0, Eigen::Stride<0, 0> > > >, Eigen::internal::sub_assign_op<double, double>,
0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType =
Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, 1, -1,
false>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, 1, -1> >, const Eigen::Map<Eigen::Matrix<double, 1, -1>,
0, Eigen::Stride<0, 0> > >; Functor = Eigen::internal::sub_assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1,
-1>, -1, -1, false>, 1, -1, false>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, 1, -1> >, const Eigen::Map<Eigen::Matrix<double, 1, -1>,
0, Eigen::Stride<0, 0> > >; Functor = Eigen::internal::sub_assign_op<double,
double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>,
1, -1, false>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, 1, -1> >, const Eigen::Map<Eigen::Matrix<double, 1, -1>,
0, Eigen::Stride<0, 0> > >; Func = Eigen::internal::sub_assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
```

gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, 1,
-1, false>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, 1, -1> >, const Eigen::Map<Eigen::Matrix<double, 1, -1>,
0, Eigen::Stride<0, 0> > >; Func = Eigen::internal::sub_assign_op<double,
double>; typename Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/CwiseBinaryOp.h:164:18:   [skipping 10 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:238:29:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows, _MaxCols>&
Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::operator=(const Eigen::EigenBase<OtherDerived>&) [with OtherDerived =
Eigen::HouseholderSequence<Eigen::Matrix<double, -1, -1>, Eigen::Matrix<double,
-1, 1>, 1>; _Scalar = double; int _Rows = -1; int _Cols = -1; int _Options = 0;
int _MaxRows = -1; int _MaxCols = -1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:449:11:   required from
'static void Eigen::internal::tridiagonalization_inplace_selector<MatrixType,
Size, IsComplex>::run(MatrixType&, DiagonalType&, SubDiagonalType&, bool) [with
DiagonalType = Eigen::Matrix<double, -1, 1>; SubDiagonalType =
Eigen::Matrix<double, -1, 1>; MatrixType = Eigen::Matrix<double, -1, -1>; int
Size = -1; bool IsComplex = false]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:430:55:   required from
'void Eigen::internal::tridiagonalization_inplace(MatrixType&, DiagonalType&,
SubDiagonalType&, bool) [with MatrixType = Eigen::Matrix<double, -1, -1>;
DiagonalType = Eigen::Matrix<double, -1, 1>; SubDiagonalType =
Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:437:39:   required from
'Eigen::SelfAdjointEigenSolver<MatrixType>&
Eigen::SelfAdjointEigenSolver<_MatrixType>::compute(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:168:14:   required from
'Eigen::SelfAdjointEigenSolver<_MatrixType>::SelfAdjointEigenSolver(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,

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-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/newton.hpp:21:55:   required from
here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
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packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Map<Eigen
::Matrix<double, -1, 1>, 2, Eigen::Stride<0, 0> > >,
Eigen::internal::evaluator<Eigen::Matrix<double, -1, 1> >,
Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Map
<Eigen::Matrix<double, -1, 1>, 2, Eigen::Stride<0, 0> > >,
Eigen::internal::evaluator<Eigen::Matrix<double, -1, 1> >,
Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Map<Eigen::Matrix<double, -1, 1>, 2,
Eigen::Stride<0, 0> >; SrcXprType = Eigen::Matrix<double, -1, 1>; Functor =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Map<Eigen::Matrix<double, -1, 1>, 2,
Eigen::Stride<0, 0> >; SrcXprType = Eigen::Matrix<double, -1, 1>; Functor =
Eigen::internal::assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Map<Eigen::Matrix<double, -1, 1>, 2, Eigen::Stride<0, 0> >; Src =
Eigen::Matrix<double, -1, 1>; Func = Eigen::internal::assign_op<double,
double>]'

/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Map<Eigen::Matrix<double, -1, 1>, 2, Eigen::Stride<0, 0> >; Src =
Eigen::Matrix<double, -1, 1>; Func = Eigen::internal::assign_op<double, double>;
typename Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   [skipping 10 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:296:31:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::Matrix(const T&) [with T = Eigen::Product<Eigen::Matrix<double, -1,
-1>, Eigen::Matrix<double, -1, 1>, 0>; _Scalar = double; int _Rows = -1; int
_Cols = 1; int _Options = 0; int _MaxRows = -1; int _MaxCols = 1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:796:41:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename Eigen::
internal::enable_if<Eigen::internal::evaluator_assume_aliasing<Src>::value,
void*>::type) [with Dst = Eigen::Matrix<double, -1, 1>; Src =
Eigen::Product<Eigen::Matrix<double, -1, -1>, Eigen::Matrix<double, -1, 1>, 0>;
Func = Eigen::internal::assign_op<double, double>; typename Eigen::internal::ena
ble_if<Eigen::internal::evaluator_assume_aliasing<Src>::value, void*>::type =
void*; typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&) [with Dst =
Eigen::Matrix<double, -1, 1>; Src = Eigen::Product<Eigen::Matrix<double, -1,
-1>, Eigen::Matrix<double, -1, 1>, 0>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:710:32:   required from 'Derived&
Eigen::PlainObjectBase<Derived>::_set(const Eigen::DenseBase<OtherDerived>&)
[with OtherDerived = Eigen::Product<Eigen::Matrix<double, -1, -1>,
Eigen::Matrix<double, -1, 1>, 0>; Derived = Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:225:24:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows, _MaxCols>&
Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::operator=(const Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::Product<Eigen::Matrix<double, -1, -1>, Eigen::Matrix<double, -1, 1>, 0>;
_Scalar = double; int _Rows = -1; int _Cols = 1; int _Options = 0; int _MaxRows
= -1; int _MaxCols = 1]'

/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/newton.hpp:28:26:   required from
here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 | MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~^~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 | MaySliceVectorize = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      | ^~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,

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                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, -1, -1, 1, -1, -1> >,
Eigen::internal::evaluator<Eigen::Product<Eigen::Product<Eigen::Matrix<double,
-1, -1>, Eigen::Matrix<double, -1, -1>, 0>,
Eigen::Transpose<Eigen::Matrix<double, -1, -1> >, 1> >,
Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<double, -1, -1, 1, -1, -1> >,
Eigen::internal::evaluator<Eigen::Product<Eigen::Product<Eigen::Matrix<double,
-1, -1>, Eigen::Matrix<double, -1, -1>, 0>,
Eigen::Transpose<Eigen::Matrix<double, -1, -1> >, 1> >,
Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<double, -1, -1, 1, -1, -1>;
SrcXprType = Eigen::Product<Eigen::Product<Eigen::Matrix<double, -1, -1>,
Eigen::Matrix<double, -1, -1>, 0>, Eigen::Transpose<Eigen::Matrix<double, -1,
-1> >, 1>; Functor = Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<double, -1, -1, 1, -1, -1>;
SrcXprType = Eigen::Product<Eigen::Product<Eigen::Matrix<double, -1, -1>,
Eigen::Matrix<double, -1, -1>, 0>, Eigen::Transpose<Eigen::Matrix<double, -1,
-1> >, 1>; Functor = Eigen::internal::assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
```

gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, -1, 1, -1, -1>; Src =
Eigen::Product<Eigen::Product<Eigen::Matrix<double, -1, -1>,
Eigen::Matrix<double, -1, -1>, 0>, Eigen::Transpose<Eigen::Matrix<double, -1,
-1> >, 1>; Func = Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/ProductEvaluators.h:391:29:   required from 'static
void Eigen::internal::generic_product_impl<Lhs, Rhs, Eigen::DenseShape,
Eigen::DenseShape, 3>::evalTo(Dst&, const Lhs&, const Rhs&) [with Dst =
Eigen::Matrix<double, -1, -1, 1, -1, -1>; Lhs =
Eigen::Product<Eigen::Matrix<double, -1, -1>, Eigen::Matrix<double, -1, -1>, 0>;
Rhs = Eigen::Transpose<Eigen::Matrix<double, -1, -1> >]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/products/GeneralMatrixMatrix.h:431:26:   [skipping 10
instantiation contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/bfgs_update.hpp:41:15:   required
from 'Scalar stan::optimization::BFGSUpdate_HInv<Scalar,
DimAtCompile>::update(const VectorT&, const VectorT&, bool) [with Scalar =
double; int DimAtCompile = -1; stan::optimization::BFGSUpdate_HInv<Scalar,
DimAtCompile>::VectorT = Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/bfgs.hpp:239:37:   required from 'int
stan::optimization::BFGSMinimizer<FunctorType, QNUpdateType, Scalar,
DimAtCompile>::step() [with FunctorType = stan::optimization::ModelAdaptor<anon_
model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3d
ae7fd542ccee9>; QNUpdateType = stan::optimization::BFGSUpdate_HInv<>; Scalar =
double; int DimAtCompile = -1]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/optimize/bfgs.hpp:121:26:   required from
'int stan::services::optimize::bfgs(Model&, stan::io::var_context&, unsigned
int, unsigned int, double, double, double, double, double, double, double, int,
bool, int, stan::callbacks::interrupt&, stan::callbacks::logger&,
stan::callbacks::writer&, stan::callbacks::writer&) [with Model = anon_model_648
0e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7fd542c
cee9]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:886:45:
required from 'int pystan::{anonymous}::command(pystan::StanArgs&, Model&,
pystan::StanHolder&, const std::vector<long unsigned int>&, const
std::vector<std::__cxx11::basic_string<char> >&, RNG_t&) [with Model = anon_mode
l_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7f
d542ccee9; RNG_t = boost::random::additive_combine_engine<boost::random::linear_
congruential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:1536:22:
required from 'int pystan::stan_fit<Model,

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RNG_t>::call_sampler(pystan::StanArgs&, pystan::StanHolder&) [with Model = anon_
model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3d
ae7fd542ccee9; RNG_t = boost::random::additive_combine_engine<boost::random::lin
ear_congruential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7fd542ccee9_53816003179
20641068.cpp:16014:45:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:473,
                 from /home/siyan/.local/lib/python3.10/site-
```

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               packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/products/GeneralMatrixVector.h: In instantiation of
'static void Eigen::internal::general_matrix_vector_product<Index, LhsScalar,
LhsMapper, 0, ConjugateLhs, RhsScalar, RhsMapper, ConjugateRhs,
Version>::run(Index, Index, const LhsMapper&, const RhsMapper&,
Eigen::internal::general_matrix_vector_product<Index, LhsScalar, LhsMapper, 0,
ConjugateLhs, RhsScalar, RhsMapper, ConjugateRhs, Version>::ResScalar*, Index,
RhsScalar) [with Index = long int; LhsScalar = double; LhsMapper =
Eigen::internal::const_blas_data_mapper<double, long int, 0>; bool ConjugateLhs
= false; RhsScalar = double; RhsMapper =
Eigen::internal::const_blas_data_mapper<double, long int, 0>; bool ConjugateRhs
= false; int Version = 0; Eigen::internal::general_matrix_vector_product<Index,
LhsScalar, LhsMapper, 0, ConjugateLhs, RhsScalar, RhsMapper, ConjugateRhs,
Version>::ResScalar = double]':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/products/TriangularSolverVector.h:131:115:   required
from 'static void Eigen::internal::triangular_solve_vector<LhsScalar, RhsScalar,
Index, 1, Mode, Conjugate, 0>::run(Index, const LhsScalar*, Index, RhsScalar*)
[with LhsScalar = double; RhsScalar = double; Index = long int; int Mode = 1;
bool Conjugate = false]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/SolveTriangular.h:73:12:   required from 'static void
Eigen::internal::triangular_solver_selector<Lhs, Rhs, Side, Mode, 0,
1>::run(const Lhs&, Rhs&) [with Lhs = const Eigen::Matrix<double, -1, -1>; Rhs =
Eigen::Matrix<double, -1, 1>; int Side = 1; int Mode = 1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/SolveTriangular.h:179:21:   required from 'void
```

Eigen::TriangularViewImpl<_MatrixType, _Mode, Eigen::Dense>::solveInPlace(const
Eigen::MatrixBase<OtherDerived>&) const [with int Side = 1; OtherDerived =
Eigen::Matrix<double, -1, 1>; _MatrixType = const Eigen::Matrix<double, -1, -1>;
unsigned int _Mode = 1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/TriangularMatrix.h:511:37:   required from 'void
Eigen::TriangularViewImpl<_MatrixType, _Mode, Eigen::Dense>::solveInPlace(const
Eigen::MatrixBase<OtherDerived>&) const [with OtherDerived =
Eigen::Matrix<double, -1, 1>; _MatrixType = const Eigen::Matrix<double, -1, -1>;
unsigned int _Mode = 1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/TriangularMatrix.h:541:25:   required from 'void
Eigen::TriangularViewImpl<_MatrixType, _Mode, Eigen::Dense>::_solve_impl(const
RhsType&, DstType&) const [with RhsType = Eigen::Matrix<double, -1, 1>; DstType
= Eigen::Matrix<double, -1, 1>; _MatrixType = const Eigen::Matrix<double, -1,
-1>; unsigned int _Mode = 1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Solve.h:147:26:   [skipping 8 instantiation contexts,
use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/util/run_adaptive_sampler.hpp:53:32:
required from 'void stan::services::util::run_adaptive_sampler(Sampler&, Model&,
std::vector<double>&, int, int, int, int, bool, RNG&,
stan::callbacks::interrupt&, stan::callbacks::logger&, stan::callbacks::writer&,
stan::callbacks::writer&) [with Sampler = stan::mcmc::adapt_dense_e_nuts<anon_mo
del_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae
7fd542ccee9, boost::random::additive_combine_engine<boost::random::linear_congru
ential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399> >
>; Model = anon_model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_648
0e1d1f319fa39f3dae7fd542ccee9; RNG = boost::random::additive_combine_engine<boos
t::random::linear_congruential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/sample/hmc_nuts_dense_e_adapt.hpp:107:35:
required from 'int stan::services::sample::hmc_nuts_dense_e_adapt(Model&,
stan::io::var_context&, stan::io::var_context&, unsigned int, unsigned int,
double, int, int, int, bool, int, double, double, int, double, double, double,
double, unsigned int, unsigned int, unsigned int, stan::callbacks::interrupt&,
stan::callbacks::logger&, stan::callbacks::writer&, stan::callbacks::writer&,
stan::callbacks::writer&) [with Model = anon_model_6480e1d1f319fa39f3dae7fd542cc
ee9_namespace::anon_model_6480e1d1f319fa39f3dae7fd542ccee9]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/sample/hmc_nuts_dense_e_adapt.hpp:166:38:
required from 'int stan::services::sample::hmc_nuts_dense_e_adapt(Model&,
stan::io::var_context&, unsigned int, unsigned int, double, int, int, int, bool,
int, double, double, int, double, double, double, double, unsigned int, unsigned

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int, unsigned int, stan::callbacks::interrupt&, stan::callbacks::logger&,
stan::callbacks::writer&, stan::callbacks::writer&, stan::callbacks::writer&)
[with Model = anon_model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_
6480e1d1f319fa39f3dae7fd542ccee9]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:1008:41:
required from 'int pystan::{anonymous}::command(pystan::StanArgs&, Model&,
pystan::StanHolder&, const std::vector<long unsigned int>&, const
std::vector<std::__cxx11::basic_string<char> >&, RNG_t&) [with Model = anon_mode
l_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7f
d542ccee9; RNG_t = boost::random::additive_combine_engine<boost::random::linear_
congruential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:1536:22:
required from 'int pystan::stan_fit<Model,
RNG_t>::call_sampler(pystan::StanArgs&, pystan::StanHolder&) [with Model = anon_
model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3d
ae7fd542ccee9; RNG_t = boost::random::additive_combine_engine<boost::random::lin
ear_congruential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7fd542ccee9_53816003179
20641068.cpp:16014:45:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/products/GeneralMatrixVector.h:186:39: warning: enum
constant in boolean context [-Wint-in-bool-context]
  186 | const Index offset1 = (FirstAligned && alignmentStep==1)?3:1;
      | ~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/products/GeneralMatrixVector.h:187:39: warning: enum
constant in boolean context [-Wint-in-bool-context]
  187 | const Index offset3 = (FirstAligned && alignmentStep==1)?1:3;
      | ~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-

packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Map<Eigen
::Matrix<double, -1, 1>, 2, Eigen::Stride<0, 0> > >, Eigen::internal::evaluator<
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> > >, Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Map
<Eigen::Matrix<double, -1, 1>, 2, Eigen::Stride<0, 0> > >, Eigen::internal::eval
uator<Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> > >, Eigen::internal::assign_op<double, double>,
0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Map<Eigen::Matrix<double, -1, 1>, 2,
Eigen::Stride<0, 0> >; SrcXprType =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; Functor = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Map<Eigen::Matrix<double, -1, 1>, 2,
Eigen::Stride<0, 0> >; SrcXprType =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; Functor = Eigen::internal::assign_op<double,
double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Map<Eigen::Matrix<double, -1, 1>, 2, Eigen::Stride<0, 0> >; Src =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; Func = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void

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Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Map<Eigen::Matrix<double, -1, 1>, 2, Eigen::Stride<0, 0> >; Src =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; Func = Eigen::internal::assign_op<double,
double>; typename Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   [ skipping 11 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable ]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LLT.h:321:38:   required from 'static Eigen::Index
Eigen::internal::llt_inplace<Scalar, 1>::unblocked(MatrixType&) [with MatrixType
= Eigen::Ref<Eigen::Matrix<double, -1, -1> >; Scalar = double; Eigen::Index =
long int]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LLT.h:333:23:   required from 'static Eigen::Index
Eigen::internal::llt_inplace<Scalar, 1>::blocked(MatrixType&) [with MatrixType =
Eigen::Ref<Eigen::Matrix<double, -1, -1> >; Scalar = double; Eigen::Index = long
int]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LLT.h:397:68:   required from 'static bool
Eigen::internal::LLT_Traits<MatrixType, 1>::inplace_decomposition(MatrixType&)
[with MatrixType = Eigen::Ref<Eigen::Matrix<double, -1, -1> >]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LLT.h:444:42:   required from
'Eigen::LLT<MatrixType, _UpLo>& Eigen::LLT<MatrixType, UpLo>::compute(const
Eigen::EigenBase<OtherDerived>&) [with InputType = Eigen::Matrix<double, -1,
-1>; _MatrixType = Eigen::Ref<Eigen::Matrix<double, -1, -1> >; int _UpLo = 1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Cholesky/LLT.h:111:14:   required from
'Eigen::LLT<MatrixType, UpLo>::LLT(Eigen::EigenBase<OtherDerived>&) [with
InputType = Eigen::Matrix<double, -1, -1>; _MatrixType =
Eigen::Ref<Eigen::Matrix<double, -1, -1> >; int _UpLo = 1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/rev/mat/fun/cholesky_decompose.hpp:244:69:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
```

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               from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
               from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
               from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
               from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
               from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
               from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
               from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
               from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
               from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
               from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
               from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
               from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
               from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
               from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
               from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
               from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
               from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
               from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
               from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
               from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
```

from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                    from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Block<Eig
en::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var, -1, -1>, 0,
Eigen::Stride<0, 0> >, -1, -1, false>, -1, -1, false>, -1, 1, true> >, Eigen::in
ternal::evaluator<Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::
math::var, stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, 1> >, const
Eigen::Block<Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var,
-1, -1>, 0, Eigen::Stride<0, 0> >, -1, -1, false>, -1, 1, true>, -1, 1, false> >
>, Eigen::internal::sub_assign_op<stan::math::var, stan::math::var> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Blo
ck<Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var, -1, -1>,
0, Eigen::Stride<0, 0> >, -1, -1, false>, -1, -1, false>, -1, 1, true> >, Eigen:
:internal::evaluator<Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<sta
n::math::var, stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, 1> >, const
Eigen::Block<Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var,
-1, -1>, 0, Eigen::Stride<0, 0> >, -1, -1, false>, -1, 1, true>, -1, 1, false> >
>, Eigen::internal::sub_assign_op<stan::math::var, stan::math::var>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType =
Eigen::Block<Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var,
-1, -1>, 0, Eigen::Stride<0, 0> >, -1, -1, false>, -1, -1, false>, -1, 1, true>;
SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, 1> >, const
Eigen::Block<Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var,
-1, -1>, 0, Eigen::Stride<0, 0> >, -1, -1, false>, -1, 1, true>, -1, 1, false>
>; Functor = Eigen::internal::sub_assign_op<stan::math::var, stan::math::var>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType =
Eigen::Block<Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var,

```
-1, -1>, 0, Eigen::Stride<0, 0> >, -1, -1, false>, -1, -1, false>, -1, 1, true>;
SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, 1> >, const
Eigen::Block<Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var,
-1, -1>, 0, Eigen::Stride<0, 0> >, -1, -1, false>, -1, 1, true>, -1, 1, false>
>; Functor = Eigen::internal::sub_assign_op<stan::math::var, stan::math::var>;
Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst =
Eigen::Block<Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var,
-1, -1>, 0, Eigen::Stride<0, 0> >, -1, -1, false>, -1, -1, false>, -1, 1, true>;
Src = Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, 1> >, const
Eigen::Block<Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var,
-1, -1>, 0, Eigen::Stride<0, 0> >, -1, -1, false>, -1, 1, true>, -1, 1, false>
>; Func = Eigen::internal::sub_assign_op<stan::math::var, stan::math::var>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
=
Eigen::Block<Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var,
-1, -1>, 0, Eigen::Stride<0, 0> >, -1, -1, false>, -1, -1, false>, -1, 1, true>;
Src = Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<stan::math::var,
stan::math::var>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<stan::math::var>,
const Eigen::Matrix<stan::math::var, -1, 1> >, const
Eigen::Block<Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var,
-1, -1>, 0, Eigen::Stride<0, 0> >, -1, -1, false>, -1, 1, true>, -1, 1, false>
>; Func = Eigen::internal::sub_assign_op<stan::math::var, stan::math::var>;
typename Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/CwiseBinaryOp.h:164:18:   [ skipping 11 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable ]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/LU/PartialPivLU.h:131:14:   required from
'Eigen::PartialPivLU<MatrixType>& Eigen::PartialPivLU<MatrixType>::compute(const
```

```
Eigen::EigenBase<OtherDerived>&) [with InputType =
Eigen::Matrix<stan::math::var, -1, -1>; _MatrixType =
Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/LU/PartialPivLU.h:323:10:    required from
'Eigen::PartialPivLU<MatrixType>::PartialPivLU(const
Eigen::EigenBase<OtherDerived>&) [with InputType =
Eigen::Matrix<stan::math::var, -1, -1>; _MatrixType =
Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/LU/PartialPivLU.h:591:10:    required from 'const
Eigen::PartialPivLU<typename Eigen::DenseBase<Derived>::PlainObject>
Eigen::MatrixBase<Derived>::partialPivLu() const [with Derived =
Eigen::Matrix<stan::math::var, -1, -1>; typename
Eigen::DenseBase<Derived>::PlainObject = Eigen::Matrix<stan::math::var, -1,
-1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/fun/matrix_exp_pade.hpp:28:53:    required from 'MatrixType
stan::math::matrix_exp_pade(const MatrixType&) [with MatrixType =
Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/matrix_exp.hpp:30:31:
required from 'Eigen::Matrix<LhsScalar, -1, -1, 0> stan::math::matrix_exp(const
Eigen::Matrix<LhsScalar, -1, -1, 0>&) [with T = stan::math::var]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/rev/mat/fun/matrix_exp_multiply.hpp:71:21:    required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
```

```
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |    MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Block<Eig
en::Block<Eigen::Map<Eigen::Matrix<stan::math::var, -1, -1>, 0, Eigen::Stride<0,
0> >, -1, -1, false>, -1, -1, false> >, Eigen::internal::evaluator<Eigen::Block<
Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var, -1, -1>, 0,
Eigen::Stride<0, 0> >, -1, -1, false>, -1, -1, false> >,
Eigen::internal::assign_op<stan::math::var, stan::math::var> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
```

gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49: required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Blo
ck<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var, -1, -1>, 0,
Eigen::Stride<0, 0> >, -1, -1, false>, -1, -1, false> >, Eigen::internal::evalua
tor<Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var, -1, -1>,
0, Eigen::Stride<0, 0> >, -1, -1, false>, -1, -1, false> >,
Eigen::internal::assign_op<stan::math::var, stan::math::var>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10: required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType =
Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var, -1, -1>, 0,
Eigen::Stride<0, 0> >, -1, -1, false>, -1, -1, false>; SrcXprType =
Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var, -1, -1>, 0,
Eigen::Stride<0, 0> >, -1, -1, false>, -1, -1, false>; Functor =
Eigen::internal::assign_op<stan::math::var, stan::math::var>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31: required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType =
Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var, -1, -1>, 0,
Eigen::Stride<0, 0> >, -1, -1, false>, -1, -1, false>; SrcXprType =
Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var, -1, -1>, 0,
Eigen::Stride<0, 0> >, -1, -1, false>, -1, -1, false>; Functor =
Eigen::internal::assign_op<stan::math::var, stan::math::var>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49: required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var, -1,
-1>, 0, Eigen::Stride<0, 0> >, -1, -1, false>, -1, -1, false>; Src =
Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var, -1, -1>, 0,
Eigen::Stride<0, 0> >, -1, -1, false>, -1, -1, false>; Func =
Eigen::internal::assign_op<stan::math::var, stan::math::var>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27: required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var, -1, -1>,
0, Eigen::Stride<0, 0> >, -1, -1, false>, -1, -1, false>; Src =
Eigen::Block<Eigen::Block<Eigen::Map<Eigen::Matrix<stan::math::var, -1, -1>, 0,
Eigen::Stride<0, 0> >, -1, -1, false>, -1, -1, false>; Func =
Eigen::internal::assign_op<stan::math::var, stan::math::var>; typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'

```
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   [ skipping 11 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable ]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/LU/PartialPivLU.h:131:14:   required from
'Eigen::PartialPivLU<MatrixType>& Eigen::PartialPivLU<MatrixType>::compute(const
Eigen::EigenBase<OtherDerived>&) [with InputType =
Eigen::Matrix<stan::math::var, -1, -1>; _MatrixType =
Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/LU/PartialPivLU.h:323:10:   required from
'Eigen::PartialPivLU<MatrixType>::PartialPivLU(const
Eigen::EigenBase<OtherDerived>&) [with InputType =
Eigen::Matrix<stan::math::var, -1, -1>; _MatrixType =
Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/LU/PartialPivLU.h:591:10:   required from 'const
Eigen::PartialPivLU<typename Eigen::DenseBase<Derived>::PlainObject>
Eigen::MatrixBase<Derived>::partialPivLu() const [with Derived =
Eigen::Matrix<stan::math::var, -1, -1>; typename
Eigen::DenseBase<Derived>::PlainObject = Eigen::Matrix<stan::math::var, -1,
-1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/fun/matrix_exp_pade.hpp:28:53:   required from 'MatrixType
stan::math::matrix_exp_pade(const MatrixType&) [with MatrixType =
Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/matrix_exp.hpp:30:31:
required from 'Eigen::Matrix<LhsScalar, -1, -1, 0> stan::math::matrix_exp(const
Eigen::Matrix<LhsScalar, -1, -1, 0>&) [with T = stan::math::var]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/rev/mat/fun/matrix_exp_multiply.hpp:71:21:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |    MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
```

```
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                  ^~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
```

uble, -1, 1> >, Eigen::internal::evaluator<Eigen::Map<Eigen::Matrix<double, -1, 1>, 2, Eigen::Stride<0, 0> > >, Eigen::internal::assign_op<double, double> >': /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen::internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Matrix<double, -1, 1> >,
Eigen::internal::evaluator<Eigen::Map<Eigen::Matrix<double, -1, 1>, 2, Eigen::Stride<0, 0> > >, Eigen::internal::assign_op<double, double>, 0>' /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&, const Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType = Eigen::Map<Eigen::Matrix<double, -1, 1>, 2, Eigen::Stride<0, 0> >; Functor = Eigen::internal::assign_op<double, double>]' /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void Eigen::internal::Assignment<DstXprType, SrcXprType, Functor, Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType = Eigen::Map<Eigen::Matrix<double, -1, 1>, 2, Eigen::Stride<0, 0> >; Functor = Eigen::internal::assign_op<double, double>; Weak = void]' /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with Dst = Eigen::Matrix<double, -1, 1>; Src = Eigen::Map<Eigen::Matrix<double, -1, 1>, 2, Eigen::Stride<0, 0> >; Func = Eigen::internal::assign_op<double, double>]' /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst = Eigen::Matrix<double, -1, 1>; Src = Eigen::Map<Eigen::Matrix<double, -1, 1>, 2, Eigen::Stride<0, 0> >; Func = Eigen::internal::assign_op<double, double>; typename Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*; typename Eigen::internal::evaluator_traits<SrcXprType>::Shape = Eigen::DenseShape]' /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   [skipping 11 instantiation contexts, use -ftemplate-backtrace-limit=0 to disable] /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/Matrix.h:296:31:   required from 'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows, _MaxCols>::Matrix(const T&) [with T = Eigen::Product<Eigen::Matrix<double, -1, -1>, Eigen::Matrix<double, -1, 1>, 0>; _Scalar = double; int _Rows = -1; int _Cols = 1; int _Options = 0; int _MaxRows = -1; int _MaxCols = 1]' /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei

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gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:796:41:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename Eigen::
internal::enable_if<Eigen::internal::evaluator_assume_aliasing<Src>::value,
void*>::type) [with Dst = Eigen::Matrix<double, -1, 1>; Src =
Eigen::Product<Eigen::Matrix<double, -1, -1>, Eigen::Matrix<double, -1, 1>, 0>;
Func = Eigen::internal::assign_op<double, double>; typename Eigen::internal::ena
ble_if<Eigen::internal::evaluator_assume_aliasing<Src>::value, void*>::type =
void*; typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&) [with Dst =
Eigen::Matrix<double, -1, 1>; Src = Eigen::Product<Eigen::Matrix<double, -1,
-1>, Eigen::Matrix<double, -1, 1>, 0>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:710:32:   required from 'Derived&
Eigen::PlainObjectBase<Derived>::_set(const Eigen::DenseBase<OtherDerived>&)
[with OtherDerived = Eigen::Product<Eigen::Matrix<double, -1, -1>,
Eigen::Matrix<double, -1, 1>, 0>; Derived = Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:225:24:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows, _MaxCols>&
Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::operator=(const Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::Product<Eigen::Matrix<double, -1, -1>, Eigen::Matrix<double, -1, 1>, 0>;
_Scalar = double; int _Rows = -1; int _Cols = 1; int _Options = 0; int _MaxRows
= -1; int _MaxCols = 1]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/newton.hpp:28:26:   required from
here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
```

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packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Block<Eig
en::Matrix<stan::math::var, -1, -1>, 1, -1, false> >,
Eigen::internal::evaluator<Eigen::Block<Eigen::Matrix<stan::math::var, -1, -1>,
```

1, -1, false> >, Eigen::internal::swap_assign_op<stan::math::var> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Blo
ck<Eigen::Matrix<stan::math::var, -1, -1>, 1, -1, false> >,
Eigen::internal::evaluator<Eigen::Block<Eigen::Matrix<stan::math::var, -1, -1>,
1, -1, false> >, Eigen::internal::swap_assign_op<stan::math::var>, 1>'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/Swap.h:19:7:
required from 'class Eigen::internal::generic_dense_assignment_kernel<Eigen::int
ernal::evaluator<Eigen::Block<Eigen::Matrix<stan::math::var, -1, -1>, 1, -1,
false> >, Eigen::internal::evaluator<Eigen::Block<Eigen::Matrix<stan::math::var,
-1, -1>, 1, -1, false> >, Eigen::internal::swap_assign_op<stan::math::var>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Block<Eigen::Matrix<stan::math::var,
-1, -1>, 1, -1, false>; SrcXprType = Eigen::Block<Eigen::Matrix<stan::math::var,
-1, -1>, 1, -1, false>; Functor =
Eigen::internal::swap_assign_op<stan::math::var>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Block<Eigen::Matrix<stan::math::var, -1,
-1>, 1, -1, false>; SrcXprType = Eigen::Block<Eigen::Matrix<stan::math::var, -1,
-1>, 1, -1, false>; Functor = Eigen::internal::swap_assign_op<stan::math::var>;
Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Block<Eigen::Matrix<stan::math::var, -1, -1>, 1, -1, false>; Src =
Eigen::Block<Eigen::Matrix<stan::math::var, -1, -1>, 1, -1, false>; Func =
Eigen::internal::swap_assign_op<stan::math::var>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   [skipping 13 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:728:41:   required from 'Derived&
Eigen::PlainObjectBase<Derived>::_set_noalias(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::Solve<Eigen::PartialPivLU<Eigen::Matrix<stan::math::var, -1, -1> >,
Eigen::Matrix<stan::math::var, -1, -1> >; Derived =
Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:537:19:   required from
'Eigen::PlainObjectBase<Derived>::PlainObjectBase(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived =

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Eigen::Solve<Eigen::PartialPivLU<Eigen::Matrix<stan::math::var, -1, -1> >,
Eigen::Matrix<stan::math::var, -1, -1> >; Derived =
Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:379:29:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::Matrix(const Eigen::EigenBase<OtherDerived>&) [with OtherDerived =
Eigen::Solve<Eigen::PartialPivLU<Eigen::Matrix<stan::math::var, -1, -1> >,
Eigen::Matrix<stan::math::var, -1, -1> >; _Scalar = stan::math::var; int _Rows =
-1; int _Cols = -1; int _Options = 0; int _MaxRows = -1; int _MaxCols = -1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/fun/matrix_exp_pade.hpp:28:14:   required from 'MatrixType
stan::math::matrix_exp_pade(const MatrixType&) [with MatrixType =
Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/matrix_exp.hpp:30:31:
required from 'Eigen::Matrix<LhsScalar, -1, -1, 0> stan::math::matrix_exp(const
Eigen::Matrix<LhsScalar, -1, -1, 0>&) [with T = stan::math::var]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/rev/mat/fun/matrix_exp_multiply.hpp:71:21:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
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In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
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packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 | MaySliceVectorize = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      | ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Diagonal<
Eigen::Matrix<double, -1, -1>, 0> >, Eigen::internal::evaluator<Eigen::CwiseNull
aryOp<Eigen::internal::scalar_constant_op<double>, Eigen::Matrix<double, -1, 1>
> >, Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Dia
gonal<Eigen::Matrix<double, -1, -1>, 0> >, Eigen::internal::evaluator<Eigen::Cwi
seNullaryOp<Eigen::internal::scalar_constant_op<double>, Eigen::Matrix<double,
-1, 1> > >, Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,

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const Functor&) [with DstXprType = Eigen::Diagonal<Eigen::Matrix<double, -1,
-1>, 0>; SrcXprType =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; Functor = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Diagonal<Eigen::Matrix<double, -1, -1>, 0>;
SrcXprType = Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; Functor = Eigen::internal::assign_op<double,
double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Diagonal<Eigen::Matrix<double, -1, -1>, 0>; Src =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; Func = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Diagonal<Eigen::Matrix<double, -1, -1>, 0>; Src =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; Func = Eigen::internal::assign_op<double,
double>; typename Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   [skipping 12 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:238:29:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows, _MaxCols>&
Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::operator=(const Eigen::EigenBase<OtherDerived>&) [with OtherDerived =
Eigen::HouseholderSequence<Eigen::Matrix<double, -1, -1>, Eigen::Matrix<double,
-1, 1>, 1>; _Scalar = double; int _Rows = -1; int _Cols = -1; int _Options = 0;
int _MaxRows = -1; int _MaxCols = -1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:449:11:   required from
'static void Eigen::internal::tridiagonalization_inplace_selector<MatrixType,
Size, IsComplex>::run(MatrixType&, DiagonalType&, SubDiagonalType&, bool) [with
DiagonalType = Eigen::Matrix<double, -1, 1>; SubDiagonalType =

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Eigen::Matrix<double, -1, 1>; MatrixType = Eigen::Matrix<double, -1, -1>; int
Size = -1; bool IsComplex = false]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:430:55:   required from
'void Eigen::internal::tridiagonalization_inplace(MatrixType&, DiagonalType&,
SubDiagonalType&, bool) [with MatrixType = Eigen::Matrix<double, -1, -1>;
DiagonalType = Eigen::Matrix<double, -1, 1>; SubDiagonalType =
Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:437:39:   required from
'Eigen::SelfAdjointEigenSolver<MatrixType>&
Eigen::SelfAdjointEigenSolver<_MatrixType>::compute(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:168:14:   required from
'Eigen::SelfAdjointEigenSolver<_MatrixType>::SelfAdjointEigenSolver(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/newton.hpp:21:55:   required from
here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
```

```
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                   ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Block<Eig
en::Block<Eigen::Matrix<double, -1, -1>, -1, 1, true>, -1, 1, false> >, Eigen::i
nternal::evaluator<Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<dou
ble>, Eigen::Matrix<double, -1, 1> > >, Eigen::internal::assign_op<double,
double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Blo
ck<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1, true>, -1, 1, false> >, Ei
gen::internal::evaluator<Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_
op<double>, Eigen::Matrix<double, -1, 1> > >, Eigen::internal::assign_op<double,
```

double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType =
Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1, true>, -1, 1,
false>; SrcXprType =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; Functor = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1,
-1>, -1, 1, true>, -1, 1, false>; SrcXprType =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; Functor = Eigen::internal::assign_op<double,
double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1, true>, -1,
1, false>; Src =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; Func = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, 1, true>, -1, 1,
false>; Src = Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; Func = Eigen::internal::assign_op<double,
double>; typename Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   [skipping 12 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:238:29:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows, _MaxCols>&
Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::operator=(const Eigen::EigenBase<OtherDerived>&) [with OtherDerived =
Eigen::HouseholderSequence<Eigen::Matrix<double, -1, -1>, Eigen::Matrix<double,

-1, 1>, 1>; _Scalar = double; int _Rows = -1; int _Cols = -1; int _Options = 0;
int _MaxRows = -1; int _MaxCols = -1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:449:11:   required from
'static void Eigen::internal::tridiagonalization_inplace_selector<MatrixType,
Size, IsComplex>::run(MatrixType&, DiagonalType&, SubDiagonalType&, bool) [with
DiagonalType = Eigen::Matrix<double, -1, 1>; SubDiagonalType =
Eigen::Matrix<double, -1, 1>; MatrixType = Eigen::Matrix<double, -1, -1>; int
Size = -1; bool IsComplex = false]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:430:55:   required from
'void Eigen::internal::tridiagonalization_inplace(MatrixType&, DiagonalType&,
SubDiagonalType&, bool) [with MatrixType = Eigen::Matrix<double, -1, -1>;
DiagonalType = Eigen::Matrix<double, -1, 1>; SubDiagonalType =
Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:437:39:   required from
'Eigen::SelfAdjointEigenSolver<MatrixType>&
Eigen::SelfAdjointEigenSolver<_MatrixType>::compute(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:168:14:   required from
'Eigen::SelfAdjointEigenSolver<_MatrixType>::SelfAdjointEigenSolver(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/newton.hpp:21:55:   required from
here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 | MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~^~~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,

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                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                    from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                    from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, -1, -1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen::internal
::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
```

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Eigen::Matrix<double, -1, -1> >, const Eigen::Matrix<double, -1, -1> > >,
Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<double, -1, -1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen::in
ternal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> >, const Eigen::Matrix<double, -1, -1> > >,
Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<double, -1, -1>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> >, const Eigen::Matrix<double, -1, -1> >; Functor
= Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<double, -1, -1>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> >, const Eigen::Matrix<double, -1, -1> >; Functor
= Eigen::internal::assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, -1>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> >, const Eigen::Matrix<double, -1, -1> >; Func =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:728:41:   required from 'Derived&
Eigen::PlainObjectBase<Derived>::_set_noalias(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, -1> >, const Eigen::Matrix<double, -1, -1> >; Derived
= Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:812:25:   [ skipping 12 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable ]
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/bfgs_update.hpp:38:25:   required
```

from 'Scalar stan::optimization::BFGSUpdate_HInv<Scalar,
DimAtCompile>::update(const VectorT&, const VectorT&, bool) [with Scalar =
double; int DimAtCompile = -1; stan::optimization::BFGSUpdate_HInv<Scalar,
DimAtCompile>::VectorT = Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/bfgs.hpp:239:37:   required from 'int
stan::optimization::BFGSMinimizer<FunctorType, QNUpdateType, Scalar,
DimAtCompile>::step() [with FunctorType = stan::optimization::ModelAdaptor<anon_
model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3d
ae7fd542ccee9>; QNUpdateType = stan::optimization::BFGSUpdate_HInv<>; Scalar =
double; int DimAtCompile = -1]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/optimize/bfgs.hpp:121:26:   required from
'int stan::services::optimize::bfgs(Model&, stan::io::var_context&, unsigned
int, unsigned int, double, double, double, double, double, double, double, int,
bool, int, stan::callbacks::interrupt&, stan::callbacks::logger&,
stan::callbacks::writer&, stan::callbacks::writer&) [with Model = anon_model_648
0e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7fd542c
cee9]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:886:45:
required from 'int pystan::{anonymous}::command(pystan::StanArgs&, Model&,
pystan::StanHolder&, const std::vector<long unsigned int>&, const
std::vector<std::__cxx11::basic_string<char> >&, RNG_t&) [with Model = anon_mode
l_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7f
d542ccee9; RNG_t = boost::random::additive_combine_engine<boost::random::linear_
congruential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:1536:22:
required from 'int pystan::stan_fit<Model,
RNG_t>::call_sampler(pystan::StanArgs&, pystan::StanHolder&) [with Model = anon_
model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3d
ae7fd542ccee9; RNG_t = boost::random::additive_combine_engine<boost::random::lin
ear_congruential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7fd542ccee9_53816003179
20641068.cpp:16014:45:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 | MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~^~~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-

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packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
```

packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Block<Eig
en::Matrix<stan::math::var, -1, -1>, 1, -1, false> >,
Eigen::internal::evaluator<Eigen::Block<const Eigen::Matrix<stan::math::var, -1,
-1>, 1, -1, false> >, Eigen::internal::assign_op<stan::math::var,
stan::math::var> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Blo
ck<Eigen::Matrix<stan::math::var, -1, -1>, 1, -1, false> >,
Eigen::internal::evaluator<Eigen::Block<const Eigen::Matrix<stan::math::var, -1,
-1>, 1, -1, false> >, Eigen::internal::assign_op<stan::math::var,
stan::math::var>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Block<Eigen::Matrix<stan::math::var,
-1, -1>, 1, -1, false>; SrcXprType = Eigen::Block<const
Eigen::Matrix<stan::math::var, -1, -1>, 1, -1, false>; Functor =
Eigen::internal::assign_op<stan::math::var, stan::math::var>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Block<Eigen::Matrix<stan::math::var, -1,
-1>, 1, -1, false>; SrcXprType = Eigen::Block<const
Eigen::Matrix<stan::math::var, -1, -1>, 1, -1, false>; Functor =
Eigen::internal::assign_op<stan::math::var, stan::math::var>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Block<Eigen::Matrix<stan::math::var, -1, -1>, 1, -1, false>; Src =
Eigen::Block<const Eigen::Matrix<stan::math::var, -1, -1>, 1, -1, false>; Func =
Eigen::internal::assign_op<stan::math::var, stan::math::var>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Block<Eigen::Matrix<stan::math::var, -1, -1>, 1, -1, false>; Src =
Eigen::Block<const Eigen::Matrix<stan::math::var, -1, -1>, 1, -1, false>; Func =
Eigen::internal::assign_op<stan::math::var, stan::math::var>; typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;

```
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:  [ skipping 13 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable ]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:728:41:   required from 'Derived&
Eigen::PlainObjectBase<Derived>::_set_noalias(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::Solve<Eigen::PartialPivLU<Eigen::Matrix<stan::math::var, -1, -1> >,
Eigen::Matrix<stan::math::var, -1, -1> >; Derived =
Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:537:19:   required from
'Eigen::PlainObjectBase<Derived>::PlainObjectBase(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::Solve<Eigen::PartialPivLU<Eigen::Matrix<stan::math::var, -1, -1> >,
Eigen::Matrix<stan::math::var, -1, -1> >; Derived =
Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:379:29:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::Matrix(const Eigen::EigenBase<OtherDerived>&) [with OtherDerived =
Eigen::Solve<Eigen::PartialPivLU<Eigen::Matrix<stan::math::var, -1, -1> >,
Eigen::Matrix<stan::math::var, -1, -1> >; _Scalar = stan::math::var; int _Rows =
-1; int _Cols = -1; int _Options = 0; int _MaxRows = -1; int _MaxCols = -1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/prim/mat/fun/matrix_exp_pade.hpp:28:14:   required from 'MatrixType
stan::math::matrix_exp_pade(const MatrixType&) [with MatrixType =
Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/matrix_exp.hpp:30:31:
required from 'Eigen::Matrix<LhsScalar, -1, -1, 0> stan::math::matrix_exp(const
Eigen::Matrix<LhsScalar, -1, -1, 0>&) [with T = stan::math::var]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/rev/mat/fun/matrix_exp_multiply.hpp:71:21:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
```

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packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
```

fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Map<Eigen
::Matrix<double, -1, 1>, 16, Eigen::Stride<0, 0> > >,
Eigen::internal::evaluator<Eigen::Matrix<double, -1, 1> >,
Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Map
<Eigen::Matrix<double, -1, 1>, 16, Eigen::Stride<0, 0> > >,
Eigen::internal::evaluator<Eigen::Matrix<double, -1, 1> >,
Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Map<Eigen::Matrix<double, -1, 1>, 16,
Eigen::Stride<0, 0> >; SrcXprType = Eigen::Matrix<double, -1, 1>; Functor =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Map<Eigen::Matrix<double, -1, 1>, 16,
Eigen::Stride<0, 0> >; SrcXprType = Eigen::Matrix<double, -1, 1>; Functor =
Eigen::internal::assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Map<Eigen::Matrix<double, -1, 1>, 16, Eigen::Stride<0, 0> >; Src =
Eigen::Matrix<double, -1, 1>; Func = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Map<Eigen::Matrix<double, -1, 1>, 16, Eigen::Stride<0, 0> >; Src =
Eigen::Matrix<double, -1, 1>; Func = Eigen::internal::assign_op<double, double>;
typename Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   [skipping 14 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/util/run_adaptive_sampler.hpp:53:32:

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required from 'void stan::services::util::run_adaptive_sampler(Sampler&, Model&, std::vector<double>&, int, int, int, int, bool, RNG&, stan::callbacks::interrupt&, stan::callbacks::logger&, stan::callbacks::writer&, stan::callbacks::writer&) [with Sampler = stan::mcmc::adapt_dense_e_nuts<anon_model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7fd542ccee9, boost::random::additive_combine_engine<boost::random::linear_congruential_engine<unsigned int, 40014, 0, 2147483563>, boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399> > >; Model = anon_model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7fd542ccee9; RNG = boost::random::additive_combine_engine<boost::random::linear_congruential_engine<unsigned int, 40014, 0, 2147483563>, boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399> >]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/src/stan/services/sample/hmc_nuts_dense_e_adapt.hpp:107:35: required from 'int stan::services::sample::hmc_nuts_dense_e_adapt(Model&, stan::io::var_context&, stan::io::var_context&, unsigned int, unsigned int, double, int, int, int, bool, int, double, double, int, double, double, double, double, unsigned int, unsigned int, unsigned int, stan::callbacks::interrupt&, stan::callbacks::logger&, stan::callbacks::writer&, stan::callbacks::writer&, stan::callbacks::writer&) [with Model = anon_model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7fd542ccee9]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/src/stan/services/sample/hmc_nuts_dense_e_adapt.hpp:166:38: required from 'int stan::services::sample::hmc_nuts_dense_e_adapt(Model&, stan::io::var_context&, unsigned int, unsigned int, double, int, int, int, bool, int, double, double, int, double, double, double, double, unsigned int, unsigned int, unsigned int, stan::callbacks::interrupt&, stan::callbacks::logger&, stan::callbacks::writer&, stan::callbacks::writer&, stan::callbacks::writer&) [with Model = anon_model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7fd542ccee9]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:1008:41: required from 'int pystan::{anonymous}::command(pystan::StanArgs&, Model&, pystan::StanHolder&, const std::vector<long unsigned int>&, const std::vector<std::__cxx11::basic_string<char> >&, RNG_t&) [with Model = anon_model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7fd542ccee9; RNG_t = boost::random::additive_combine_engine<boost::random::linear_congruential_engine<unsigned int, 40014, 0, 2147483563>, boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399> >]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:1536:22: required from 'int pystan::stan_fit<Model, RNG_t>::call_sampler(pystan::StanArgs&, pystan::StanHolder&) [with Model = anon_model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7fd542ccee9; RNG_t = boost::random::additive_combine_engine<boost::random::linear_congruential_engine<unsigned int, 40014, 0, 2147483563>, boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399> >]'

```
/tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7fd542ccee9_53816003179
20641068.cpp:16014:45:    required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                      ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
```

packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Map<Eigen
::Matrix<double, -1, 1>, 0, Eigen::Stride<0, 0> > >, Eigen::internal::evaluator<
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Block<const Eigen::Block<const
Eigen::Map<const Eigen::Matrix<double, -1, -1>, 0, Eigen::OuterStride<> >, -1,
1, true>, -1, 1, false> > >, Eigen::internal::sub_assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Map
<Eigen::Matrix<double, -1, 1>, 0, Eigen::Stride<0, 0> > >, Eigen::internal::eval
uator<Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>,
const Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Block<const Eigen::Block<const
Eigen::Map<const Eigen::Matrix<double, -1, -1>, 0, Eigen::OuterStride<> >, -1,
1, true>, -1, 1, false> > >, Eigen::internal::sub_assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Map<Eigen::Matrix<double, -1, 1>, 0,
Eigen::Stride<0, 0> >; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Block<const Eigen::Block<const
Eigen::Map<const Eigen::Matrix<double, -1, -1>, 0, Eigen::OuterStride<> >, -1,
1, true>, -1, 1, false> >; Functor = Eigen::internal::sub_assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const

Functor&) [with DstXprType = Eigen::Map<Eigen::Matrix<double, -1, 1>, 0, Eigen::Stride<0, 0> >; SrcXprType = Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const Eigen::Matrix<double, -1, 1> >, const Eigen::Block<const Eigen::Block<const Eigen::Map<const Eigen::Matrix<double, -1, -1>, 0, Eigen::OuterStride<> >, -1, 1, true>, -1, 1, false> >; Functor = Eigen::internal::sub_assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with Dst = Eigen::Map<Eigen::Matrix<double, -1, 1>, 0, Eigen::Stride<0, 0> >; Src = Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const Eigen::Matrix<double, -1, 1> >, const Eigen::Block<const Eigen::Block<const Eigen::Map<const Eigen::Matrix<double, -1, -1>, 0, Eigen::OuterStride<> >, -1, 1, true>, -1, 1, false> >; Func = Eigen::internal::sub_assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename Eigen::internal::enable_if<(! Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst = Eigen::Map<Eigen::Matrix<double, -1, 1>, 0, Eigen::Stride<0, 0> >; Src = Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const Eigen::Matrix<double, -1, 1> >, const Eigen::Block<const Eigen::Block<const Eigen::Map<const Eigen::Matrix<double, -1, -1>, 0, Eigen::OuterStride<> >, -1, 1, true>, -1, 1, false> >; Func = Eigen::internal::sub_assign_op<double, double>; typename Eigen::internal::enable_if<(! Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*; typename Eigen::internal::evaluator_traits<SrcXprType>::Shape = Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/CwiseBinaryOp.h:164:18:   [skipping 14 instantiation contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/src/stan/services/util/run_adaptive_sampler.hpp:53:32: required from 'void stan::services::util::run_adaptive_sampler(Sampler&, Model&, std::vector<double>&, int, int, int, int, bool, RNG&, stan::callbacks::interrupt&, stan::callbacks::logger&, stan::callbacks::writer&, stan::callbacks::writer&) [with Sampler = stan::mcmc::adapt_dense_e_nuts<anon_model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7fd542ccee9, boost::random::additive_combine_engine<boost::random::linear_congruential_engine<unsigned int, 40014, 0, 2147483563>, boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399> > >; Model = anon_model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7fd542ccee9; RNG = boost::random::additive_combine_engine<boos

```
t::random::linear_congruential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/sample/hmc_nuts_dense_e_adapt.hpp:107:35:
required from 'int stan::services::sample::hmc_nuts_dense_e_adapt(Model&,
stan::io::var_context&, stan::io::var_context&, unsigned int, unsigned int,
double, int, int, int, bool, int, double, double, int, double, double, double,
double, unsigned int, unsigned int, unsigned int, stan::callbacks::interrupt&,
stan::callbacks::logger&, stan::callbacks::writer&, stan::callbacks::writer&,
stan::callbacks::writer&) [with Model = anon_model_6480e1d1f319fa39f3dae7fd542cc
ee9_namespace::anon_model_6480e1d1f319fa39f3dae7fd542ccee9]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/sample/hmc_nuts_dense_e_adapt.hpp:166:38:
required from 'int stan::services::sample::hmc_nuts_dense_e_adapt(Model&,
stan::io::var_context&, unsigned int, unsigned int, double, int, int, int, bool,
int, double, double, int, double, double, double, double, unsigned int, unsigned
int, unsigned int, stan::callbacks::interrupt&, stan::callbacks::logger&,
stan::callbacks::writer&, stan::callbacks::writer&, stan::callbacks::writer&)
[with Model = anon_model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_
6480e1d1f319fa39f3dae7fd542ccee9]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:1008:41:
required from 'int pystan::{anonymous}::command(pystan::StanArgs&, Model&,
pystan::StanHolder&, const std::vector<long unsigned int>&, const
std::vector<std::__cxx11::basic_string<char> >&, RNG_t&) [with Model = anon_mode
l_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7f
d542ccee9; RNG_t = boost::random::additive_combine_engine<boost::random::linear_
congruential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:1536:22:
required from 'int pystan::stan_fit<Model,
RNG_t>::call_sampler(pystan::StanArgs&, pystan::StanHolder&) [with Model = anon_
model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3d
ae7fd542ccee9; RNG_t = boost::random::additive_combine_engine<boost::random::lin
ear_congruential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7fd542ccee9_53816003179
20641068.cpp:16014:45:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
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packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
```

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packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, -1, -1, 1, -1, -1> >, Eigen::internal::evaluator<Eigen::CwiseNullaryOp<Eig
en::internal::scalar_constant_op<double>, Eigen::Matrix<double, -1, -1, 1, -1,
-1> > >, Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<double, -1, -1, 1, -1, -1> >, Eigen::internal::evaluator<Eigen::CwiseNullary
Op<Eigen::internal::scalar_constant_op<double>, Eigen::Matrix<double, -1, -1, 1,
-1, -1> > >, Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<double, -1, -1, 1, -1, -1>;
SrcXprType = Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, -1, 1, -1, -1> >; Functor =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<double, -1, -1, 1, -1, -1>;
SrcXprType = Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, -1, 1, -1, -1> >; Functor =
Eigen::internal::assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, -1, 1, -1, -1>; Src =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, -1, 1, -1, -1> >; Func =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Matrix<double, -1, -1, 1, -1, -1>; Src =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, -1, 1, -1, -1> >; Func =
Eigen::internal::assign_op<double, double>; typename
```

Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   [skipping 15 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/bfgs_update.hpp:41:15:   required
from 'Scalar stan::optimization::BFGSUpdate_HInv<Scalar,
DimAtCompile>::update(const VectorT&, const VectorT&, bool) [with Scalar =
double; int DimAtCompile = -1; stan::optimization::BFGSUpdate_HInv<Scalar,
DimAtCompile>::VectorT = Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/bfgs.hpp:239:37:   required from 'int
stan::optimization::BFGSMinimizer<FunctorType, QNUpdateType, Scalar,
DimAtCompile>::step() [with FunctorType = stan::optimization::ModelAdaptor<anon_
model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3d
ae7fd542ccee9>; QNUpdateType = stan::optimization::BFGSUpdate_HInv<>; Scalar =
double; int DimAtCompile = -1]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/optimize/bfgs.hpp:121:26:   required from
'int stan::services::optimize::bfgs(Model&, stan::io::var_context&, unsigned
int, unsigned int, double, double, double, double, double, double, double, int,
bool, int, stan::callbacks::interrupt&, stan::callbacks::logger&,
stan::callbacks::writer&, stan::callbacks::writer&) [with Model = anon_model_648
0e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7fd542c
cee9]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:886:45:
required from 'int pystan::{anonymous}::command(pystan::StanArgs&, Model&,
pystan::StanHolder&, const std::vector<long unsigned int>&, const
std::vector<std::__cxx11::basic_string<char> >&, RNG_t&) [with Model = anon_mode
l_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7f
d542ccee9; RNG_t = boost::random::additive_combine_engine<boost::random::linear_
congruential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:1536:22:
required from 'int pystan::stan_fit<Model,
RNG_t>::call_sampler(pystan::StanArgs&, pystan::StanHolder&) [with Model = anon_
model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3d
ae7fd542ccee9; RNG_t = boost::random::additive_combine_engine<boost::random::lin
ear_congruential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7fd542ccee9_53816003179
20641068.cpp:16014:45:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei

```
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                    ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
```

```
                   from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                   from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                   from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                   from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                   from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                   from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, -1, 1> >, Eigen::internal::evaluator<Eigen::Map<Eigen::Matrix<double, -1,
1>, 16, Eigen::Stride<0, 0> > >, Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<double, -1, 1> >,
Eigen::internal::evaluator<Eigen::Map<Eigen::Matrix<double, -1, 1>, 16,
Eigen::Stride<0, 0> > >, Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::Map<Eigen::Matrix<double, -1, 1>, 16, Eigen::Stride<0, 0> >; Functor =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::Map<Eigen::Matrix<double, -1, 1>, 16, Eigen::Stride<0, 0> >; Functor =
Eigen::internal::assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, 1>; Src = Eigen::Map<Eigen::Matrix<double, -1,
1>, 16, Eigen::Stride<0, 0> >; Func = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Matrix<double, -1, 1>; Src = Eigen::Map<Eigen::Matrix<double, -1, 1>,
```

16, Eigen::Stride<0, 0> >; Func = Eigen::internal::assign_op<double, double>;
typename Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   [skipping 15 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/util/run_adaptive_sampler.hpp:53:32:
required from 'void stan::services::util::run_adaptive_sampler(Sampler&, Model&,
std::vector<double>&, int, int, int, int, bool, RNG&,
stan::callbacks::interrupt&, stan::callbacks::logger&, stan::callbacks::writer&,
stan::callbacks::writer&) [with Sampler = stan::mcmc::adapt_dense_e_nuts<anon_mo
del_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae
7fd542ccee9, boost::random::additive_combine_engine<boost::random::linear_congru
ential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399> >
>; Model = anon_model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_648
0e1d1f319fa39f3dae7fd542ccee9; RNG = boost::random::additive_combine_engine<boos
t::random::linear_congruential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/sample/hmc_nuts_dense_e_adapt.hpp:107:35:
required from 'int stan::services::sample::hmc_nuts_dense_e_adapt(Model&,
stan::io::var_context&, stan::io::var_context&, unsigned int, unsigned int,
double, int, int, int, bool, int, double, double, int, double, double, double,
double, unsigned int, unsigned int, unsigned int, stan::callbacks::interrupt&,
stan::callbacks::logger&, stan::callbacks::writer&, stan::callbacks::writer&,
stan::callbacks::writer&) [with Model = anon_model_6480e1d1f319fa39f3dae7fd542cc
ee9_namespace::anon_model_6480e1d1f319fa39f3dae7fd542ccee9]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/sample/hmc_nuts_dense_e_adapt.hpp:166:38:
required from 'int stan::services::sample::hmc_nuts_dense_e_adapt(Model&,
stan::io::var_context&, unsigned int, unsigned int, double, int, int, int, bool,
int, double, double, int, double, double, double, double, unsigned int, unsigned
int, unsigned int, stan::callbacks::interrupt&, stan::callbacks::logger&,
stan::callbacks::writer&, stan::callbacks::writer&, stan::callbacks::writer&)
[with Model = anon_model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_
6480e1d1f319fa39f3dae7fd542ccee9]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:1008:41:
required from 'int pystan::{anonymous}::command(pystan::StanArgs&, Model&,
pystan::StanHolder&, const std::vector<long unsigned int>&, const
std::vector<std::__cxx11::basic_string<char> >&, RNG_t&) [with Model = anon_mode
l_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7f
d542ccee9; RNG_t = boost::random::additive_combine_engine<boost::random::linear_
congruential_engine<unsigned int, 40014, 0, 2147483563>,

```
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:1536:22:
required from 'int pystan::stan_fit<Model,
RNG_t>::call_sampler(pystan::StanArgs&, pystan::StanHolder&) [with Model = anon_
model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3d
ae7fd542ccee9; RNG_t = boost::random::additive_combine_engine<boost::random::lin
ear_congruential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7fd542ccee9_53816003179
20641068.cpp:16014:45:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
```

```
    |                                                    ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<bo
ol, -1, 1, 0, -1, 1> >, Eigen::internal::evaluator<Eigen::CwiseNullaryOp<Eigen::
internal::scalar_constant_op<bool>, Eigen::Matrix<bool, -1, 1, 0, -1, 1> > >,
Eigen::internal::assign_op<bool, bool> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<bool, -1, 1, 0, -1, 1> >, Eigen::internal::evaluator<Eigen::CwiseNullaryOp<E
igen::internal::scalar_constant_op<bool>, Eigen::Matrix<bool, -1, 1, 0, -1, 1> >
>, Eigen::internal::assign_op<bool, bool>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<bool, -1, 1, 0, -1, 1>;
SrcXprType = Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<bool>,
Eigen::Matrix<bool, -1, 1, 0, -1, 1> >; Functor =
Eigen::internal::assign_op<bool, bool>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
```

Functor&) [with DstXprType = Eigen::Matrix<bool, -1, 1, 0, -1, 1>; SrcXprType = Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<bool>, Eigen::Matrix<bool, -1, 1, 0, -1, 1> >; Functor = Eigen::internal::assign_op<bool, bool>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with Dst = Eigen::Matrix<bool, -1, 1, 0, -1, 1>; Src = Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<bool>, Eigen::Matrix<bool, -1, 1, 0, -1, 1> >; Func = Eigen::internal::assign_op<bool, bool>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename Eigen::internal::enable_if<(! Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst = Eigen::Matrix<bool, -1, 1, 0, -1, 1>; Src = Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<bool>, Eigen::Matrix<bool, -1, 1, 0, -1, 1> >; Func = Eigen::internal::assign_op<bool, bool>; typename Eigen::internal::enable_if<(! Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*; typename Eigen::internal::evaluator_traits<SrcXprType>::Shape = Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   [skipping 16 instantiation contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:728:41:   required from 'Derived& Eigen::PlainObjectBase<Derived>::_set_noalias(const Eigen::DenseBase<OtherDerived>&) [with OtherDerived = Eigen::Solve<Eigen::PartialPivLU<Eigen::Matrix<stan::math::var, -1, -1> >, Eigen::Matrix<stan::math::var, -1, -1> >; Derived = Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:537:19:   required from 'Eigen::PlainObjectBase<Derived>::PlainObjectBase(const Eigen::DenseBase<OtherDerived>&) [with OtherDerived = Eigen::Solve<Eigen::PartialPivLU<Eigen::Matrix<stan::math::var, -1, -1> >, Eigen::Matrix<stan::math::var, -1, -1> >; Derived = Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei gen_3.3.3/Eigen/src/Core/Matrix.h:379:29:   required from 'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows, _MaxCols>::Matrix(const Eigen::EigenBase<OtherDerived>&) [with OtherDerived = Eigen::Solve<Eigen::PartialPivLU<Eigen::Matrix<stan::math::var, -1, -1> >, Eigen::Matrix<stan::math::var, -1, -1> >; _Scalar = stan::math::var; int _Rows = -1; int _Cols = -1; int _Options = 0; int _MaxRows = -1; int _MaxCols = -1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m

ath/prim/mat/fun/matrix_exp_pade.hpp:28:14:   required from 'MatrixType
stan::math::matrix_exp_pade(const MatrixType&) [with MatrixType =
Eigen::Matrix<stan::math::var, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/matrix_exp.hpp:30:31:
required from 'Eigen::Matrix<LhsScalar, -1, -1, 0> stan::math::matrix_exp(const
Eigen::Matrix<LhsScalar, -1, -1, 0>&) [with T = stan::math::var]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/m
ath/rev/mat/fun/matrix_exp_multiply.hpp:71:21:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 | MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~^~~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 | MaySliceVectorize = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      | ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,

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                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, -1, 1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen::internal:
:scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Map<Eigen::Matrix<double, -1, 1>,
0, Eigen::Stride<0, 0> > > >, Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<double, -1, 1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen::int
ernal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Map<Eigen::Matrix<double, -1, 1>,
0, Eigen::Stride<0, 0> > > >, Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Map<Eigen::Matrix<double, -1, 1>,
0, Eigen::Stride<0, 0> > >; Functor = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
```

gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Map<Eigen::Matrix<double, -1, 1>,
0, Eigen::Stride<0, 0> > >; Functor = Eigen::internal::assign_op<double,
double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, 1>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Map<Eigen::Matrix<double, -1, 1>,
0, Eigen::Stride<0, 0> > >; Func = Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:728:41:   required from 'Derived&
Eigen::PlainObjectBase<Derived>::_set_noalias(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Map<Eigen::Matrix<double, -1, 1>,
0, Eigen::Stride<0, 0> > >; Derived = Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:812:25:   [skipping 16 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:238:29:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows, _MaxCols>&
Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::operator=(const Eigen::EigenBase<OtherDerived>&) [with OtherDerived =
Eigen::HouseholderSequence<Eigen::Matrix<double, -1, -1>, Eigen::Matrix<double,
-1, 1>, 1>; _Scalar = double; int _Rows = -1; int _Cols = -1; int _Options = 0;
int _MaxRows = -1; int _MaxCols = -1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:449:11:   required from
'static void Eigen::internal::tridiagonalization_inplace_selector<MatrixType,
Size, IsComplex>::run(MatrixType&, DiagonalType&, SubDiagonalType&, bool) [with
DiagonalType = Eigen::Matrix<double, -1, 1>; SubDiagonalType =
Eigen::Matrix<double, -1, 1>; MatrixType = Eigen::Matrix<double, -1, -1>; int
Size = -1; bool IsComplex = false]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:430:55:   required from
'void Eigen::internal::tridiagonalization_inplace(MatrixType&, DiagonalType&,
SubDiagonalType&, bool) [with MatrixType = Eigen::Matrix<double, -1, -1>;
DiagonalType = Eigen::Matrix<double, -1, 1>; SubDiagonalType =

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Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:437:39:   required from
'Eigen::SelfAdjointEigenSolver<MatrixType>&
Eigen::SelfAdjointEigenSolver<_MatrixType>::compute(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:168:14:   required from
'Eigen::SelfAdjointEigenSolver<_MatrixType>::SelfAdjointEigenSolver(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/newton.hpp:21:55:   required from
here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
```

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boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                ^~~~~~~~~~~~~~~~~~
```
In file included from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::internal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Block<Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, -1, -1, false>, -1, 1, true> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const Eigen::Matrix<double, -1, 1> >, const Eigen::Matrix<double, -1, 1> > >, Eigen::internal::sub_assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen::internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Block<Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, -1, -1, false>, -1, 1, true> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const Eigen::Matrix<double, -1, 1> >, const Eigen::Matrix<double, -1, 1> > >, Eigen::internal::sub_assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void

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```

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Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType =
Eigen::Block<Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1,
false>, -1, -1, false>, -1, 1, true>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Matrix<double, -1, 1> >; Functor =
Eigen::internal::sub_assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType =
Eigen::Block<Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1,
false>, -1, -1, false>, -1, 1, true>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Matrix<double, -1, 1> >; Functor =
Eigen::internal::sub_assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Block<Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1,
-1, false>, -1, -1, false>, -1, 1, true>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Matrix<double, -1, 1> >; Func =
Eigen::internal::sub_assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Block<Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1,
false>, -1, -1, false>, -1, 1, true>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Matrix<double, -1, 1> >; Func =
Eigen::internal::sub_assign_op<double, double>; typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/CwiseBinaryOp.h:164:18:   [ skipping 16 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable ]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:238:29:   required from
```

'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows, _MaxCols>&
Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::operator=(const Eigen::EigenBase<OtherDerived>&) [with OtherDerived =
Eigen::HouseholderSequence<Eigen::Matrix<double, -1, -1>, Eigen::Matrix<double,
-1, 1>, 1>; _Scalar = double; int _Rows = -1; int _Cols = -1; int _Options = 0;
int _MaxRows = -1; int _MaxCols = -1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:449:11:   required from
'static void Eigen::internal::tridiagonalization_inplace_selector<MatrixType,
Size, IsComplex>::run(MatrixType&, DiagonalType&, SubDiagonalType&, bool) [with
DiagonalType = Eigen::Matrix<double, -1, 1>; SubDiagonalType =
Eigen::Matrix<double, -1, 1>; MatrixType = Eigen::Matrix<double, -1, -1>; int
Size = -1; bool IsComplex = false]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:430:55:   required from
'void Eigen::internal::tridiagonalization_inplace(MatrixType&, DiagonalType&,
SubDiagonalType&, bool) [with MatrixType = Eigen::Matrix<double, -1, -1>;
DiagonalType = Eigen::Matrix<double, -1, 1>; SubDiagonalType =
Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:437:39:   required from
'Eigen::SelfAdjointEigenSolver<MatrixType>&
Eigen::SelfAdjointEigenSolver<_MatrixType>::compute(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:168:14:   required from
'Eigen::SelfAdjointEigenSolver<_MatrixType>::SelfAdjointEigenSolver(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/newton.hpp:21:55:   required from
here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 | MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~^~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,

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              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
              from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
              from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
              from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
```

nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<double, -1, 1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const Eigen::Matrix<double, -1, 1> >, const Eigen::Block<const Eigen::Matrix<double, -1, -1>, -1, 1, false> > >, Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen::internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Matrix<double, -1, 1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const Eigen::Matrix<double, -1, 1> >, const Eigen::Block<const Eigen::Matrix<double, -1, -1>, -1, 1, false> > >, Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&, const Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType = Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const Eigen::Matrix<double, -1, 1> >, const Eigen::Block<const Eigen::Matrix<double, -1, -1>, -1, 1, false> >; Functor = Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void Eigen::internal::Assignment<DstXprType, SrcXprType, Functor, Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType = Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const Eigen::Matrix<double, -1, 1> >, const Eigen::Block<const Eigen::Matrix<double, -1, -1>, -1, 1, false> >; Functor = Eigen::internal::assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with Dst = Eigen::Matrix<double, -1, 1>; Src = Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const Eigen::Matrix<double, -1, 1> >, const Eigen::Block<const Eigen::Matrix<double, -1, -1>, -1, 1, false> >; Func = Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/PlainObjectBase.h:728:41:   required from 'Derived& Eigen::PlainObjectBase<Derived>::_set_noalias(const Eigen::DenseBase<OtherDerived>&) [with OtherDerived = Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const Eigen::Matrix<double, -1, 1> >, const Eigen::Block<const Eigen::Matrix<double, -1, -1>, -1, 1, false> >; Derived = Eigen::Matrix<double, -1, 1>]'

/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/PlainObjectBase.h:812:25:   [skipping 16 instantiation contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/Matrix.h:238:29:   required from 'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows, _MaxCols>& Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows, _MaxCols>::operator=(const Eigen::EigenBase<OtherDerived>&) [with OtherDerived = Eigen::HouseholderSequence<Eigen::Matrix<double, -1, -1>, Eigen::Matrix<double, -1, 1>, 1>; _Scalar = double; int _Rows = -1; int _Cols = -1; int _Options = 0; int _MaxRows = -1; int _MaxCols = -1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:449:11:   required from 'static void Eigen::internal::tridiagonalization_inplace_selector<MatrixType, Size, IsComplex>::run(MatrixType&, DiagonalType&, SubDiagonalType&, bool) [with DiagonalType = Eigen::Matrix<double, -1, 1>; SubDiagonalType = Eigen::Matrix<double, -1, 1>; MatrixType = Eigen::Matrix<double, -1, -1>; int Size = -1; bool IsComplex = false]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:430:55:   required from 'void Eigen::internal::tridiagonalization_inplace(MatrixType&, DiagonalType&, SubDiagonalType&, bool) [with MatrixType = Eigen::Matrix<double, -1, -1>; DiagonalType = Eigen::Matrix<double, -1, 1>; SubDiagonalType = Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:437:39:   required from 'Eigen::SelfAdjointEigenSolver<MatrixType>& Eigen::SelfAdjointEigenSolver<_MatrixType>::compute(const Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double, -1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:168:14:   required from 'Eigen::SelfAdjointEigenSolver<_MatrixType>::SelfAdjointEigenSolver(const Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double, -1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/src/stan/optimization/newton.hpp:21:55:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in boolean context [-Wint-in-bool-context]
   86 | MayLinearVectorize = bool(MightVectorize) && MayLinearize && DstHasDirectAccess
      |
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In file included from /home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-

packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 | MaySliceVectorize = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      | ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-

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packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Block<Eig
en::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, -1, 1, false> >, Eigen:
:internal::evaluator<Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<dou
ble, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Map<Eigen::Matrix<double, -1, 1>,
2, Eigen::Stride<0, 0> > > >, Eigen::internal::add_assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Blo
ck<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, -1, 1, false> >,
Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_
op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Map<Eigen::Matrix<double, -1, 1>,
2, Eigen::Stride<0, 0> > > >, Eigen::internal::add_assign_op<double, double>,
0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType =
Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, -1, 1,
false>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Map<Eigen::Matrix<double, -1, 1>,
2, Eigen::Stride<0, 0> > >; Functor = Eigen::internal::add_assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1,
-1>, -1, -1, false>, -1, 1, false>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Map<Eigen::Matrix<double, -1, 1>,
2, Eigen::Stride<0, 0> >; Functor = Eigen::internal::add_assign_op<double,
double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>,
```

-1, 1, false>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Map<Eigen::Matrix<double, -1, 1>,
2, Eigen::Stride<0, 0> > >; Func = Eigen::internal::add_assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, -1,
1, false>; Src = Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double,
double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Map<Eigen::Matrix<double, -1, 1>,
2, Eigen::Stride<0, 0> > >; Func = Eigen::internal::add_assign_op<double,
double>; typename Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/CwiseBinaryOp.h:177:18:   [skipping 16 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/util/run_adaptive_sampler.hpp:53:32:
required from 'void stan::services::util::run_adaptive_sampler(Sampler&, Model&,
std::vector<double>&, int, int, int, int, bool, RNG&,
stan::callbacks::interrupt&, stan::callbacks::logger&, stan::callbacks::writer&,
stan::callbacks::writer&) [with Sampler = stan::mcmc::adapt_dense_e_nuts<anon_mo
del_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae
7fd542ccee9, boost::random::additive_combine_engine<boost::random::linear_congru
ential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399> >
>; Model = anon_model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_648
0e1d1f319fa39f3dae7fd542ccee9; RNG = boost::random::additive_combine_engine<boos
t::random::linear_congruential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/sample/hmc_nuts_dense_e_adapt.hpp:107:35:
required from 'int stan::services::sample::hmc_nuts_dense_e_adapt(Model&,
stan::io::var_context&, stan::io::var_context&, unsigned int, unsigned int,
double, int, int, int, bool, int, double, double, int, double, double, double,
double, unsigned int, unsigned int, unsigned int, stan::callbacks::interrupt&,
stan::callbacks::logger&, stan::callbacks::writer&, stan::callbacks::writer&,
stan::callbacks::writer&) [with Model = anon_model_6480e1d1f319fa39f3dae7fd542cc
ee9_namespace::anon_model_6480e1d1f319fa39f3dae7fd542ccee9]'

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/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/sample/hmc_nuts_dense_e_adapt.hpp:166:38:
required from 'int stan::services::sample::hmc_nuts_dense_e_adapt(Model&,
stan::io::var_context&, unsigned int, unsigned int, double, int, int, int, bool,
int, double, double, int, double, double, double, double, unsigned int, unsigned
int, unsigned int, stan::callbacks::interrupt&, stan::callbacks::logger&,
stan::callbacks::writer&, stan::callbacks::writer&, stan::callbacks::writer&)
[with Model = anon_model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_
6480e1d1f319fa39f3dae7fd542ccee9]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:1008:41:
required from 'int pystan::{anonymous}::command(pystan::StanArgs&, Model&,
pystan::StanHolder&, const std::vector<long unsigned int>&, const
std::vector<std::__cxx11::basic_string<char> >&, RNG_t&) [with Model = anon_mode
l_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7f
d542ccee9; RNG_t = boost::random::additive_combine_engine<boost::random::linear_
congruential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:1536:22:
required from 'int pystan::stan_fit<Model,
RNG_t>::call_sampler(pystan::StanArgs&, pystan::StanHolder&) [with Model = anon_
model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3d
ae7fd542ccee9; RNG_t = boost::random::additive_combine_engine<boost::random::lin
ear_congruential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7fd542ccee9_53816003179
20641068.cpp:16014:45:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
```

```
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Map<Eigen
::Matrix<double, -1, 1>, 0, Eigen::Stride<0, 0> > >, Eigen::internal::evaluator<
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> > >, Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
```

gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Map
<Eigen::Matrix<double, -1, 1>, 0, Eigen::Stride<0, 0> > >, Eigen::internal::eval
uator<Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> > >, Eigen::internal::assign_op<double, double>,
0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Map<Eigen::Matrix<double, -1, 1>, 0,
Eigen::Stride<0, 0> >; SrcXprType =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; Functor = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Map<Eigen::Matrix<double, -1, 1>, 0,
Eigen::Stride<0, 0> >; SrcXprType =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; Functor = Eigen::internal::assign_op<double,
double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Map<Eigen::Matrix<double, -1, 1>, 0, Eigen::Stride<0, 0> >; Src =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; Func = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Map<Eigen::Matrix<double, -1, 1>, 0, Eigen::Stride<0, 0> >; Src =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, -1, 1> >; Func = Eigen::internal::assign_op<double,
double>; typename Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   [skipping 17 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:238:29:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows, _MaxCols>&

```
Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::operator=(const Eigen::EigenBase<OtherDerived>&) [with OtherDerived =
Eigen::HouseholderSequence<Eigen::Matrix<double, -1, -1>, Eigen::Matrix<double,
-1, 1>, 1>; _Scalar = double; int _Rows = -1; int _Cols = -1; int _Options = 0;
int _MaxRows = -1; int _MaxCols = -1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:449:11:   required from
'static void Eigen::internal::tridiagonalization_inplace_selector<MatrixType,
Size, IsComplex>::run(MatrixType&, DiagonalType&, SubDiagonalType&, bool) [with
DiagonalType = Eigen::Matrix<double, -1, 1>; SubDiagonalType =
Eigen::Matrix<double, -1, 1>; MatrixType = Eigen::Matrix<double, -1, -1>; int
Size = -1; bool IsComplex = false]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:430:55:   required from
'void Eigen::internal::tridiagonalization_inplace(MatrixType&, DiagonalType&,
SubDiagonalType&, bool) [with MatrixType = Eigen::Matrix<double, -1, -1>;
DiagonalType = Eigen::Matrix<double, -1, 1>; SubDiagonalType =
Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:437:39:   required from
'Eigen::SelfAdjointEigenSolver<MatrixType>&
Eigen::SelfAdjointEigenSolver<_MatrixType>::compute(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:168:14:   required from
'Eigen::SelfAdjointEigenSolver<_MatrixType>::SelfAdjointEigenSolver(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/newton.hpp:21:55:   required from
here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
```

```
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |    MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Map<Eigen
```

```
::Matrix<double, -1, 1>, 0, Eigen::Stride<0, 0> > >, Eigen::internal::evaluator<
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Map<Eigen::Matrix<double, -1, 1>,
2, Eigen::Stride<0, 0> > > >, Eigen::internal::add_assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Map
<Eigen::Matrix<double, -1, 1>, 0, Eigen::Stride<0, 0> > >, Eigen::internal::eval
uator<Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>,
const Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Map<Eigen::Matrix<double, -1, 1>,
2, Eigen::Stride<0, 0> > > >, Eigen::internal::add_assign_op<double, double>,
0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Map<Eigen::Matrix<double, -1, 1>, 0,
Eigen::Stride<0, 0> >; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Map<Eigen::Matrix<double, -1, 1>,
2, Eigen::Stride<0, 0> > >; Functor = Eigen::internal::add_assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Map<Eigen::Matrix<double, -1, 1>, 0,
Eigen::Stride<0, 0> >; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Map<Eigen::Matrix<double, -1, 1>,
2, Eigen::Stride<0, 0> > >; Functor = Eigen::internal::add_assign_op<double,
double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Map<Eigen::Matrix<double, -1, 1>, 0, Eigen::Stride<0, 0> >; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Map<Eigen::Matrix<double, -1, 1>,
2, Eigen::Stride<0, 0> > >; Func = Eigen::internal::add_assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
```

Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Map<Eigen::Matrix<double, -1, 1>, 0, Eigen::Stride<0, 0> >; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, -1, 1> >, const Eigen::Map<Eigen::Matrix<double, -1, 1>,
2, Eigen::Stride<0, 0> > >; Func = Eigen::internal::add_assign_op<double,
double>; typename Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/CwiseBinaryOp.h:177:18:   [skipping 17 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:238:29:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows, _MaxCols>&
Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::operator=(const Eigen::EigenBase<OtherDerived>&) [with OtherDerived =
Eigen::HouseholderSequence<Eigen::Matrix<double, -1, -1>, Eigen::Matrix<double,
-1, 1>, 1>; _Scalar = double; int _Rows = -1; int _Cols = -1; int _Options = 0;
int _MaxRows = -1; int _MaxCols = -1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:449:11:   required from
'static void Eigen::internal::tridiagonalization_inplace_selector<MatrixType,
Size, IsComplex>::run(MatrixType&, DiagonalType&, SubDiagonalType&, bool) [with
DiagonalType = Eigen::Matrix<double, -1, 1>; SubDiagonalType =
Eigen::Matrix<double, -1, 1>; MatrixType = Eigen::Matrix<double, -1, -1>; int
Size = -1; bool IsComplex = false]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:430:55:   required from
'void Eigen::internal::tridiagonalization_inplace(MatrixType&, DiagonalType&,
SubDiagonalType&, bool) [with MatrixType = Eigen::Matrix<double, -1, -1>;
DiagonalType = Eigen::Matrix<double, -1, 1>; SubDiagonalType =
Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:437:39:   required from
'Eigen::SelfAdjointEigenSolver<MatrixType>&
Eigen::SelfAdjointEigenSolver<_MatrixType>::compute(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:168:14:   required from
'Eigen::SelfAdjointEigenSolver<_MatrixType>::SelfAdjointEigenSolver(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/newton.hpp:21:55:   required from
here

```
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                 ^~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
```

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packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Map<Eigen
::Matrix<double, 1, -1>, 0, Eigen::Stride<0, 0> > >, Eigen::internal::evaluator<
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, 1, -1> > >, Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Map
<Eigen::Matrix<double, 1, -1>, 0, Eigen::Stride<0, 0> > >, Eigen::internal::eval
uator<Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, 1, -1> > >, Eigen::internal::assign_op<double, double>,
0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Map<Eigen::Matrix<double, 1, -1>, 0,
Eigen::Stride<0, 0> >; SrcXprType =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, 1, -1> >; Functor = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Map<Eigen::Matrix<double, 1, -1>, 0,
Eigen::Stride<0, 0> >; SrcXprType =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, 1, -1> >; Functor = Eigen::internal::assign_op<double,
double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Map<Eigen::Matrix<double, 1, -1>, 0, Eigen::Stride<0, 0> >; Src =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
```

```
Eigen::Matrix<double, 1, -1> >; Func = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Map<Eigen::Matrix<double, 1, -1>, 0, Eigen::Stride<0, 0> >; Src =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, 1, -1> >; Func = Eigen::internal::assign_op<double,
double>; typename Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   [ skipping 17 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable ]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:238:29:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows, _MaxCols>&
Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::operator=(const Eigen::EigenBase<OtherDerived>&) [with OtherDerived =
Eigen::HouseholderSequence<Eigen::Matrix<double, -1, -1>, Eigen::Matrix<double,
-1, 1>, 1>; _Scalar = double; int _Rows = -1; int _Cols = -1; int _Options = 0;
int _MaxRows = -1; int _MaxCols = -1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:449:11:   required from
'static void Eigen::internal::tridiagonalization_inplace_selector<MatrixType,
Size, IsComplex>::run(MatrixType&, DiagonalType&, SubDiagonalType&, bool) [with
DiagonalType = Eigen::Matrix<double, -1, 1>; SubDiagonalType =
Eigen::Matrix<double, -1, 1>; MatrixType = Eigen::Matrix<double, -1, -1>; int
Size = -1; bool IsComplex = false]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:430:55:   required from
'void Eigen::internal::tridiagonalization_inplace(MatrixType&, DiagonalType&,
SubDiagonalType&, bool) [with MatrixType = Eigen::Matrix<double, -1, -1>;
DiagonalType = Eigen::Matrix<double, -1, 1>; SubDiagonalType =
Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:437:39:   required from
'Eigen::SelfAdjointEigenSolver<MatrixType>&
Eigen::SelfAdjointEigenSolver<_MatrixType>::compute(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:168:14:   required from
'Eigen::SelfAdjointEigenSolver<_MatrixType>::SelfAdjointEigenSolver(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
```

```
-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/newton.hpp:21:55:    required from
here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
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packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Map<Eigen
::Matrix<double, -1, 1>, 2, Eigen::Stride<0, 0> > >,
Eigen::internal::evaluator<Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1,
-1>, -1, -1, false>, -1, 1, false> >, Eigen::internal::assign_op<double, double>
>':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Map
<Eigen::Matrix<double, -1, 1>, 2, Eigen::Stride<0, 0> > >,
Eigen::internal::evaluator<Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1,
-1>, -1, -1, false>, -1, 1, false> >, Eigen::internal::assign_op<double,
double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Map<Eigen::Matrix<double, -1, 1>, 2,
Eigen::Stride<0, 0> >; SrcXprType =
Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, -1, 1,
false>; Functor = Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Map<Eigen::Matrix<double, -1, 1>, 2,
Eigen::Stride<0, 0> >; SrcXprType =
Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, -1, 1,
false>; Functor = Eigen::internal::assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void

```
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Map<Eigen::Matrix<double, -1, 1>, 2, Eigen::Stride<0, 0> >; Src =
Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, -1, 1,
false>; Func = Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Map<Eigen::Matrix<double, -1, 1>, 2, Eigen::Stride<0, 0> >; Src =
Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, -1, 1,
false>; Func = Eigen::internal::assign_op<double, double>; typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   [ skipping 17 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable ]
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/util/run_adaptive_sampler.hpp:53:32:
required from 'void stan::services::util::run_adaptive_sampler(Sampler&, Model&,
std::vector<double>&, int, int, int, int, bool, RNG&,
stan::callbacks::interrupt&, stan::callbacks::logger&, stan::callbacks::writer&,
stan::callbacks::writer&) [with Sampler = stan::mcmc::adapt_dense_e_nuts<anon_mo
del_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae
7fd542ccee9, boost::random::additive_combine_engine<boost::random::linear_congru
ential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399> >
>; Model = anon_model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_648
0e1d1f319fa39f3dae7fd542ccee9; RNG = boost::random::additive_combine_engine<boos
t::random::linear_congruential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/sample/hmc_nuts_dense_e_adapt.hpp:107:35:
required from 'int stan::services::sample::hmc_nuts_dense_e_adapt(Model&,
stan::io::var_context&, stan::io::var_context&, unsigned int, unsigned int,
double, int, int, int, bool, int, double, double, int, double, double, double,
double, unsigned int, unsigned int, unsigned int, stan::callbacks::interrupt&,
stan::callbacks::logger&, stan::callbacks::writer&, stan::callbacks::writer&,
stan::callbacks::writer&) [with Model = anon_model_6480e1d1f319fa39f3dae7fd542cc
ee9_namespace::anon_model_6480e1d1f319fa39f3dae7fd542ccee9]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/sample/hmc_nuts_dense_e_adapt.hpp:166:38:
required from 'int stan::services::sample::hmc_nuts_dense_e_adapt(Model&,
stan::io::var_context&, unsigned int, unsigned int, double, int, int, int, bool,
int, double, double, int, double, double, double, double, unsigned int, unsigned
```

int, unsigned int, stan::callbacks::interrupt&, stan::callbacks::logger&,
stan::callbacks::writer&, stan::callbacks::writer&, stan::callbacks::writer&)
[with Model = anon_model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_
6480e1d1f319fa39f3dae7fd542ccee9]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:1008:41:
required from 'int pystan::{anonymous}::command(pystan::StanArgs&, Model&,
pystan::StanHolder&, const std::vector<long unsigned int>&, const
std::vector<std::__cxx11::basic_string<char> >&, RNG_t&) [with Model = anon_mode
l_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7f
d542ccee9; RNG_t = boost::random::additive_combine_engine<boost::random::linear_
congruential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:1536:22:
required from 'int pystan::stan_fit<Model,
RNG_t>::call_sampler(pystan::StanArgs&, pystan::StanHolder&) [with Model = anon_
model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3d
ae7fd542ccee9; RNG_t = boost::random::additive_combine_engine<boost::random::lin
ear_congruential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7fd542ccee9_53816003179
20641068.cpp:16014:45:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 | MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~^~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,

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                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                  from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |    MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                  from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Block<Eig
en::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, -1, 1, false> >,
Eigen::internal::evaluator<Eigen::Map<Eigen::Matrix<double, -1, 1>, 2,
Eigen::Stride<0, 0> > >, Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Blo
ck<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, -1, 1, false> >,
Eigen::internal::evaluator<Eigen::Map<Eigen::Matrix<double, -1, 1>, 2,
Eigen::Stride<0, 0> > >, Eigen::internal::assign_op<double, double>, 0>'
```

/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType =
Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, -1, 1,
false>; SrcXprType = Eigen::Map<Eigen::Matrix<double, -1, 1>, 2,
Eigen::Stride<0, 0> >; Functor = Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1,
-1>, -1, -1, false>, -1, 1, false>; SrcXprType =
Eigen::Map<Eigen::Matrix<double, -1, 1>, 2, Eigen::Stride<0, 0> >; Functor =
Eigen::internal::assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>,
-1, 1, false>; Src = Eigen::Map<Eigen::Matrix<double, -1, 1>, 2,
Eigen::Stride<0, 0> >; Func = Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Block<Eigen::Block<Eigen::Matrix<double, -1, -1>, -1, -1, false>, -1,
1, false>; Src = Eigen::Map<Eigen::Matrix<double, -1, 1>, 2, Eigen::Stride<0, 0>
>; Func = Eigen::internal::assign_op<double, double>; typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   [skipping 17 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/util/run_adaptive_sampler.hpp:53:32:
required from 'void stan::services::util::run_adaptive_sampler(Sampler&, Model&,
std::vector<double>&, int, int, int, int, bool, RNG&,
stan::callbacks::interrupt&, stan::callbacks::logger&, stan::callbacks::writer&,
stan::callbacks::writer&) [with Sampler = stan::mcmc::adapt_dense_e_nuts<anon_mo
del_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae
7fd542ccee9, boost::random::additive_combine_engine<boost::random::linear_congru
ential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399> >
>; Model = anon_model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_648
0e1d1f319fa39f3dae7fd542ccee9; RNG = boost::random::additive_combine_engine<boos

```
t::random::linear_congruential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/sample/hmc_nuts_dense_e_adapt.hpp:107:35:
required from 'int stan::services::sample::hmc_nuts_dense_e_adapt(Model&,
stan::io::var_context&, stan::io::var_context&, unsigned int, unsigned int,
double, int, int, int, bool, int, double, double, int, double, double, double,
double, unsigned int, unsigned int, unsigned int, stan::callbacks::interrupt&,
stan::callbacks::logger&, stan::callbacks::writer&, stan::callbacks::writer&,
stan::callbacks::writer&) [with Model = anon_model_6480e1d1f319fa39f3dae7fd542cc
ee9_namespace::anon_model_6480e1d1f319fa39f3dae7fd542ccee9]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/sample/hmc_nuts_dense_e_adapt.hpp:166:38:
required from 'int stan::services::sample::hmc_nuts_dense_e_adapt(Model&,
stan::io::var_context&, unsigned int, unsigned int, double, int, int, int, bool,
int, double, double, int, double, double, double, double, unsigned int, unsigned
int, unsigned int, stan::callbacks::interrupt&, stan::callbacks::logger&,
stan::callbacks::writer&, stan::callbacks::writer&, stan::callbacks::writer&)
[with Model = anon_model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_
6480e1d1f319fa39f3dae7fd542ccee9]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:1008:41:
required from 'int pystan::{anonymous}::command(pystan::StanArgs&, Model&,
pystan::StanHolder&, const std::vector<long unsigned int>&, const
std::vector<std::__cxx11::basic_string<char> >&, RNG_t&) [with Model = anon_mode
l_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7f
d542ccee9; RNG_t = boost::random::additive_combine_engine<boost::random::linear_
congruential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan_fit.hpp:1536:22:
required from 'int pystan::stan_fit<Model,
RNG_t>::call_sampler(pystan::StanArgs&, pystan::StanHolder&) [with Model = anon_
model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3d
ae7fd542ccee9; RNG_t = boost::random::additive_combine_engine<boost::random::lin
ear_congruential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7fd542ccee9_53816003179
20641068.cpp:16014:45:   required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
```

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packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
```

packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Map<Eigen
::Matrix<double, -1, 1>, 2, Eigen::Stride<0, 0> > >,
Eigen::internal::evaluator<Eigen::Map<Eigen::Matrix<double, -1, 1>, 0,
Eigen::Stride<0, 0> > >, Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Map
<Eigen::Matrix<double, -1, 1>, 2, Eigen::Stride<0, 0> > >,
Eigen::internal::evaluator<Eigen::Map<Eigen::Matrix<double, -1, 1>, 0,
Eigen::Stride<0, 0> > >, Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Map<Eigen::Matrix<double, -1, 1>, 2,
Eigen::Stride<0, 0> >; SrcXprType = Eigen::Map<Eigen::Matrix<double, -1, 1>, 0,
Eigen::Stride<0, 0> >; Functor = Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Map<Eigen::Matrix<double, -1, 1>, 2,
Eigen::Stride<0, 0> >; SrcXprType = Eigen::Map<Eigen::Matrix<double, -1, 1>, 0,
Eigen::Stride<0, 0> >; Functor = Eigen::internal::assign_op<double, double>;
Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Map<Eigen::Matrix<double, -1, 1>, 2, Eigen::Stride<0, 0> >; Src =
Eigen::Map<Eigen::Matrix<double, -1, 1>, 0, Eigen::Stride<0, 0> >; Func =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Map<Eigen::Matrix<double, -1, 1>, 2, Eigen::Stride<0, 0> >; Src =
Eigen::Map<Eigen::Matrix<double, -1, 1>, 0, Eigen::Stride<0, 0> >; Func =
Eigen::internal::assign_op<double, double>; typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =

Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   [skipping 18 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:238:29:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows, _MaxCols>&
Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::operator=(const Eigen::EigenBase<OtherDerived>&) [with OtherDerived =
Eigen::HouseholderSequence<Eigen::Matrix<double, -1, -1>, Eigen::Matrix<double,
-1, 1>, 1>; _Scalar = double; int _Rows = -1; int _Cols = -1; int _Options = 0;
int _MaxRows = -1; int _MaxCols = -1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:449:11:   required from
'static void Eigen::internal::tridiagonalization_inplace_selector<MatrixType,
Size, IsComplex>::run(MatrixType&, DiagonalType&, SubDiagonalType&, bool) [with
DiagonalType = Eigen::Matrix<double, -1, 1>; SubDiagonalType =
Eigen::Matrix<double, -1, 1>; MatrixType = Eigen::Matrix<double, -1, -1>; int
Size = -1; bool IsComplex = false]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:430:55:   required from
'void Eigen::internal::tridiagonalization_inplace(MatrixType&, DiagonalType&,
SubDiagonalType&, bool) [with MatrixType = Eigen::Matrix<double, -1, -1>;
DiagonalType = Eigen::Matrix<double, -1, 1>; SubDiagonalType =
Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:437:39:   required from
'Eigen::SelfAdjointEigenSolver<MatrixType>&
Eigen::SelfAdjointEigenSolver<_MatrixType>::compute(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:168:14:   required from
'Eigen::SelfAdjointEigenSolver<_MatrixType>::SelfAdjointEigenSolver(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/newton.hpp:21:55:   required from
here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 | MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~^~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,

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                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                  from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                  from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
```

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                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                    from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Map<Eigen
::Matrix<double, -1, 1>, 0, Eigen::Stride<0, 0> > >,
Eigen::internal::evaluator<Eigen::Map<Eigen::Matrix<double, -1, 1>, 2,
Eigen::Stride<0, 0> > >, Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Map
<Eigen::Matrix<double, -1, 1>, 0, Eigen::Stride<0, 0> > >,
Eigen::internal::evaluator<Eigen::Map<Eigen::Matrix<double, -1, 1>, 2,
Eigen::Stride<0, 0> > >, Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Map<Eigen::Matrix<double, -1, 1>, 0,
Eigen::Stride<0, 0> >; SrcXprType = Eigen::Map<Eigen::Matrix<double, -1, 1>, 2,
Eigen::Stride<0, 0> >; Functor = Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Map<Eigen::Matrix<double, -1, 1>, 0,
Eigen::Stride<0, 0> >; SrcXprType = Eigen::Map<Eigen::Matrix<double, -1, 1>, 2,
Eigen::Stride<0, 0> >; Functor = Eigen::internal::assign_op<double, double>;
Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Map<Eigen::Matrix<double, -1, 1>, 0, Eigen::Stride<0, 0> >; Src =
Eigen::Map<Eigen::Matrix<double, -1, 1>, 2, Eigen::Stride<0, 0> >; Func =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Map<Eigen::Matrix<double, -1, 1>, 0, Eigen::Stride<0, 0> >; Src =
Eigen::Map<Eigen::Matrix<double, -1, 1>, 2, Eigen::Stride<0, 0> >; Func =
Eigen::internal::assign_op<double, double>; typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
```

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/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   [ skipping 18 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable ]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:238:29:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows, _MaxCols>&
Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::operator=(const Eigen::EigenBase<OtherDerived>&) [with OtherDerived =
Eigen::HouseholderSequence<Eigen::Matrix<double, -1, -1>, Eigen::Matrix<double,
-1, 1>, 1>; _Scalar = double; int _Rows = -1; int _Cols = -1; int _Options = 0;
int _MaxRows = -1; int _MaxCols = -1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:449:11:   required from
'static void Eigen::internal::tridiagonalization_inplace_selector<MatrixType,
Size, IsComplex>::run(MatrixType&, DiagonalType&, SubDiagonalType&, bool) [with
DiagonalType = Eigen::Matrix<double, -1, 1>; SubDiagonalType =
Eigen::Matrix<double, -1, 1>; MatrixType = Eigen::Matrix<double, -1, -1>; int
Size = -1; bool IsComplex = false]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:430:55:   required from
'void Eigen::internal::tridiagonalization_inplace(MatrixType&, DiagonalType&,
SubDiagonalType&, bool) [with MatrixType = Eigen::Matrix<double, -1, -1>;
DiagonalType = Eigen::Matrix<double, -1, 1>; SubDiagonalType =
Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:437:39:   required from
'Eigen::SelfAdjointEigenSolver<MatrixType>&
Eigen::SelfAdjointEigenSolver<_MatrixType>::compute(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:168:14:   required from
'Eigen::SelfAdjointEigenSolver<_MatrixType>::SelfAdjointEigenSolver(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/newton.hpp:21:55:   required from
here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
```

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packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
```

```
packages/pystan/stan_fit.hpp:22,
                from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Map<Eigen
::Matrix<double, -1, 1>, 0, Eigen::Stride<0, 0> > >,
Eigen::internal::evaluator<Eigen::Transpose<const Eigen::Transpose<const
Eigen::Block<const Eigen::Matrix<double, -1, -1>, -1, 1, false> > > >,
Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Map
<Eigen::Matrix<double, -1, 1>, 0, Eigen::Stride<0, 0> > >,
Eigen::internal::evaluator<Eigen::Transpose<const Eigen::Transpose<const
Eigen::Block<const Eigen::Matrix<double, -1, -1>, -1, 1, false> > > >,
Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Map<Eigen::Matrix<double, -1, 1>, 0,
Eigen::Stride<0, 0> >; SrcXprType = Eigen::Transpose<const
Eigen::Transpose<const Eigen::Block<const Eigen::Matrix<double, -1, -1>, -1, 1,
false> > >; Functor = Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Map<Eigen::Matrix<double, -1, 1>, 0,
Eigen::Stride<0, 0> >; SrcXprType = Eigen::Transpose<const
Eigen::Transpose<const Eigen::Block<const Eigen::Matrix<double, -1, -1>, -1, 1,
false> > >; Functor = Eigen::internal::assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Map<Eigen::Matrix<double, -1, 1>, 0, Eigen::Stride<0, 0> >; Src =
Eigen::Transpose<const Eigen::Transpose<const Eigen::Block<const
Eigen::Matrix<double, -1, -1>, -1, 1, false> > >; Func =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Map<Eigen::Matrix<double, -1, 1>, 0, Eigen::Stride<0, 0> >; Src =
Eigen::Transpose<const Eigen::Transpose<const Eigen::Block<const
Eigen::Matrix<double, -1, -1>, -1, 1, false> > >; Func =
Eigen::internal::assign_op<double, double>; typename
```

```
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   [ skipping 19 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable ]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:238:29:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows, _MaxCols>&
Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::operator=(const Eigen::EigenBase<OtherDerived>&) [with OtherDerived =
Eigen::HouseholderSequence<Eigen::Matrix<double, -1, -1>, Eigen::Matrix<double,
-1, 1>, 1>; _Scalar = double; int _Rows = -1; int _Cols = -1; int _Options = 0;
int _MaxRows = -1; int _MaxCols = -1]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:449:11:   required from
'static void Eigen::internal::tridiagonalization_inplace_selector<MatrixType,
Size, IsComplex>::run(MatrixType&, DiagonalType&, SubDiagonalType&, bool) [with
DiagonalType = Eigen::Matrix<double, -1, 1>; SubDiagonalType =
Eigen::Matrix<double, -1, 1>; MatrixType = Eigen::Matrix<double, -1, -1>; int
Size = -1; bool IsComplex = false]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/Tridiagonalization.h:430:55:   required from
'void Eigen::internal::tridiagonalization_inplace(MatrixType&, DiagonalType&,
SubDiagonalType&, bool) [with MatrixType = Eigen::Matrix<double, -1, -1>;
DiagonalType = Eigen::Matrix<double, -1, 1>; SubDiagonalType =
Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:437:39:   required from
'Eigen::SelfAdjointEigenSolver<MatrixType>&
Eigen::SelfAdjointEigenSolver<_MatrixType>::compute(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Eigenvalues/SelfAdjointEigenSolver.h:168:14:   required from
'Eigen::SelfAdjointEigenSolver<_MatrixType>::SelfAdjointEigenSolver(const
Eigen::EigenBase<OtherDerived>&, int) [with InputType = Eigen::Matrix<double,
-1, -1>; _MatrixType = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/optimization/newton.hpp:21:55:   required from
here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
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In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
```

packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, -1, 1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen::internal:
:scalar_product_op<double, double>, const Eigen::Matrix<double, -1, 1>, const
Eigen::Matrix<double, -1, 1> > >, Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<double, -1, 1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen::int
ernal::scalar_product_op<double, double>, const Eigen::Matrix<double, -1, 1>,
const Eigen::Matrix<double, -1, 1> > >, Eigen::internal::assign_op<double,
double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::Matrix<double, -1, 1>, const Eigen::Matrix<double, -1, 1> >; Functor =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::Matrix<double, -1, 1>, const Eigen::Matrix<double, -1, 1> >; Functor =
Eigen::internal::assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, 1>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::Matrix<double, -1, 1>, const Eigen::Matrix<double, -1, 1> >; Func =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:728:41:   required from 'Derived&
Eigen::PlainObjectBase<Derived>::_set_noalias(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::Matrix<double, -1, 1>, const Eigen::Matrix<double, -1, 1> >; Derived =

```
Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:537:19:   required from
'Eigen::PlainObjectBase<Derived>::PlainObjectBase(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::Matrix<double, -1, 1>, const Eigen::Matrix<double, -1, 1> >; Derived =
Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:379:29:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::Matrix(const Eigen::EigenBase<OtherDerived>&) [with OtherDerived =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double, double>, const
Eigen::Matrix<double, -1, 1>, const Eigen::Matrix<double, -1, 1> >; _Scalar =
double; int _Rows = -1; int _Cols = 1; int _Options = 0; int _MaxRows = -1; int
_MaxCols = 1]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/mcmc/hmc/hamiltonians/diag_e_metric.hpp:41:48:
required from 'Eigen::VectorXd stan::mcmc::diag_e_metric<Model,
BaseRNG>::dtau_dp(stan::mcmc::diag_e_point&) [with Model = anon_model_6480e1d1f3
19fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7fd542ccee9;
BaseRNG = boost::random::additive_combine_engine<boost::random::linear_congruent
ial_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399> >;
Eigen::VectorXd = Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/mcmc/hmc/hamiltonians/diag_e_metric.hpp:40:23:
required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
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packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 | MaySliceVectorize = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      | ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, -1, 1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen::internal:
:scalar_sum_op<double, double>, const Eigen::Matrix<double, -1, 1>, const
Eigen::Matrix<double, -1, 1> > >, Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei

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gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<double, -1, 1> >, Eigen::internal::evaluator<Eigen::CwiseBinaryOp<Eigen::int
ernal::scalar_sum_op<double, double>, const Eigen::Matrix<double, -1, 1>, const
Eigen::Matrix<double, -1, 1> > >, Eigen::internal::assign_op<double, double>,
0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<double, double>, const
Eigen::Matrix<double, -1, 1>, const Eigen::Matrix<double, -1, 1> >; Functor =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<double, -1, 1>; SrcXprType =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<double, double>, const
Eigen::Matrix<double, -1, 1>, const Eigen::Matrix<double, -1, 1> >; Functor =
Eigen::internal::assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, -1, 1>; Src =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<double, double>, const
Eigen::Matrix<double, -1, 1>, const Eigen::Matrix<double, -1, 1> >; Func =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:728:41:   required from 'Derived&
Eigen::PlainObjectBase<Derived>::_set_noalias(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<double, double>, const
Eigen::Matrix<double, -1, 1>, const Eigen::Matrix<double, -1, 1> >; Derived =
Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:537:19:   required from
'Eigen::PlainObjectBase<Derived>::PlainObjectBase(const
Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<double, double>, const
Eigen::Matrix<double, -1, 1>, const Eigen::Matrix<double, -1, 1> >; Derived =
Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:379:29:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::Matrix(const Eigen::EigenBase<OtherDerived>&) [with OtherDerived =
Eigen::CwiseBinaryOp<Eigen::internal::scalar_sum_op<double, double>, const
Eigen::Matrix<double, -1, 1>, const Eigen::Matrix<double, -1, 1> >; _Scalar =

```
double; int _Rows = -1; int _Cols = 1; int _Options = 0; int _MaxRows = -1; int
_MaxCols = 1]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/mcmc/hmc/nuts/base_nuts.hpp:287:25:    required
from 'bool stan::mcmc::base_nuts<Model, Hamiltonian, Integrator,
BaseRNG>::build_tree(int, stan::mcmc::ps_point&, Eigen::VectorXd&,
Eigen::VectorXd&, Eigen::VectorXd&, double, double, int&, double&, double&,
stan::callbacks::logger&) [with Model = anon_model_6480e1d1f319fa39f3dae7fd542cc
ee9_namespace::anon_model_6480e1d1f319fa39f3dae7fd542ccee9; Hamiltonian =
stan::mcmc::diag_e_metric; Integrator = stan::mcmc::expl_leapfrog; BaseRNG = boo
st::random::additive_combine_engine<boost::random::linear_congruential_engine<un
signed int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399> >;
Eigen::VectorXd = Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/mcmc/hmc/nuts/base_nuts.hpp:114:17:    required
from 'stan::mcmc::sample stan::mcmc::base_nuts<Model, Hamiltonian, Integrator,
BaseRNG>::transition(stan::mcmc::sample&, stan::callbacks::logger&) [with Model
= anon_model_6480e1d1f319fa39f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319
fa39f3dae7fd542ccee9; Hamiltonian = stan::mcmc::diag_e_metric; Integrator =
stan::mcmc::expl_leapfrog; BaseRNG = boost::random::additive_combine_engine<boos
t::random::linear_congruential_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/mcmc/hmc/nuts/base_nuts.hpp:75:7:    required from
here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
```

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                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                    from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |    MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                    from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                    from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, -1, -1> >, Eigen::internal::evaluator<Eigen::Product<Eigen::Transpose<Eige
n::Map<Eigen::Matrix<double, -1, -1>, 0, Eigen::Stride<0, 0> > >,
Eigen::Matrix<double, -1, -1>, 1> >, Eigen::internal::assign_op<double, double>
>':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
```

gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen::internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Matrix<double, -1, -1> >, Eigen::internal::evaluator<Eigen::Product<Eigen::Transpose<Eigen::Map<Eigen::Matrix<double, -1, -1>, 0, Eigen::Stride<0, 0> > >, Eigen::Matrix<double, -1, -1>, 1> >, Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&, const Functor&) [with DstXprType = Eigen::Matrix<double, -1, -1>; SrcXprType = Eigen::Product<Eigen::Transpose<Eigen::Map<Eigen::Matrix<double, -1, -1>, 0, Eigen::Stride<0, 0> > >, Eigen::Matrix<double, -1, -1>, 1>; Functor = Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void Eigen::internal::Assignment<DstXprType, SrcXprType, Functor, Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const Functor&) [with DstXprType = Eigen::Matrix<double, -1, -1>; SrcXprType = Eigen::Product<Eigen::Transpose<Eigen::Map<Eigen::Matrix<double, -1, -1>, 0, Eigen::Stride<0, 0> > >, Eigen::Matrix<double, -1, -1>, 1>; Functor = Eigen::internal::assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with Dst = Eigen::Matrix<double, -1, -1>; Src = Eigen::Product<Eigen::Transpose<Eigen::Map<Eigen::Matrix<double, -1, -1>, 0, Eigen::Stride<0, 0> > >, Eigen::Matrix<double, -1, -1>, 1>; Func = Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/ProductEvaluators.h:391:29:   required from 'static void Eigen::internal::generic_product_impl<Lhs, Rhs, Eigen::DenseShape, Eigen::DenseShape, 3>::evalTo(Dst&, const Lhs&, const Rhs&) [with Dst = Eigen::Matrix<double, -1, -1>; Lhs = Eigen::Transpose<Eigen::Map<Eigen::Matrix<double, -1, -1>, 0, Eigen::Stride<0, 0> > >; Rhs = Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/products/GeneralMatrixMatrix.h:431:26:   [skipping 6 instantiation contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/src/Core/AssignEvaluator.h:796:41:   required from 'void Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename Eigen::internal::enable_if<Eigen::internal::evaluator_assume_aliasing<Src>::value, void*>::type) [with Dst = Eigen::Matrix<double, -1, -1>; Src = Eigen::Product<Eigen::Transpose<Eigen::Map<Eigen::Matrix<double, -1, -1>, 0, Eigen::Stride<0, 0> > >, Eigen::Matrix<double, -1, -1>, 0>; Func = Eigen::internal::assign_op<double, double>; typename Eigen::internal::enable_if< Eigen::internal::evaluator_assume_aliasing<Src>::value, void*>::type = void*; typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =

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Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&) [with Dst =
Eigen::Matrix<double, -1, -1>; Src =
Eigen::Product<Eigen::Transpose<Eigen::Map<Eigen::Matrix<double, -1, -1>, 0,
Eigen::Stride<0, 0> > >, Eigen::Matrix<double, -1, -1>, 0>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/PlainObjectBase.h:710:32:   required from 'Derived&
Eigen::PlainObjectBase<Derived>::_set(const Eigen::DenseBase<OtherDerived>&)
[with OtherDerived =
Eigen::Product<Eigen::Transpose<Eigen::Map<Eigen::Matrix<double, -1, -1>, 0,
Eigen::Stride<0, 0> > >, Eigen::Matrix<double, -1, -1>, 0>; Derived =
Eigen::Matrix<double, -1, -1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Matrix.h:225:24:   required from
'Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows, _MaxCols>&
Eigen::Matrix<_Scalar, _Rows, _Cols, _Options, _MaxRows,
_MaxCols>::operator=(const Eigen::DenseBase<OtherDerived>&) [with OtherDerived =
Eigen::Product<Eigen::Transpose<Eigen::Map<Eigen::Matrix<double, -1, -1>, 0,
Eigen::Stride<0, 0> > >, Eigen::Matrix<double, -1, -1>, 0>; _Scalar = double;
int _Rows = -1; int _Cols = -1; int _Options = 0; int _MaxRows = -1; int
_MaxCols = -1]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/multiply.hpp:280:10:
required from 'void stan::math::multiply_mat_vari<double, Ra, Ca, Tb,
Cb>::chain() [with int Ra = -1; int Ca = -1; Tb = stan::math::var; int Cb = 1]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/multiply.hpp:272:16:
required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
```

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packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |    MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                     ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Matrix<do
uble, 1, -1> >, Eigen::internal::evaluator<Eigen::CwiseNullaryOp<Eigen::internal
::scalar_constant_op<double>, Eigen::Matrix<double, 1, -1> > >,
```

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Eigen::internal::assign_op<double, double> >':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Mat
rix<double, 1, -1> >, Eigen::internal::evaluator<Eigen::CwiseNullaryOp<Eigen::in
ternal::scalar_constant_op<double>, Eigen::Matrix<double, 1, -1> > >,
Eigen::internal::assign_op<double, double>, 0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Matrix<double, 1, -1>; SrcXprType =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, 1, -1> >; Functor = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Matrix<double, 1, -1>; SrcXprType =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, 1, -1> >; Functor = Eigen::internal::assign_op<double,
double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Matrix<double, 1, -1>; Src =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, 1, -1> >; Func = Eigen::internal::assign_op<double,
double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Matrix<double, 1, -1>; Src =
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>,
Eigen::Matrix<double, 1, -1> >; Func = Eigen::internal::assign_op<double,
double>; typename Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   [ skipping 17 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable ]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/ProductEvaluators.h:245:64:   required from 'static
void Eigen::internal::generic_product_impl<Lhs, Rhs, Eigen::DenseShape,
Eigen::DenseShape, 6>::evalTo(Dst&, const Lhs&, const Rhs&) [with Dst =
```

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Eigen::Matrix<double, 1, 1, 0, 1, 1>; Lhs =
Eigen::Product<Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double,
double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, 1, -1> >, const Eigen::Transpose<Eigen::Matrix<double, -1,
1> > >, Eigen::Matrix<double, -1, -1>, 0>; Rhs = Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/ProductEvaluators.h:124:75:   required from
'Eigen::internal::product_evaluator<Eigen::Product<Lhs, Rhs, Option>,
ProductTag, LhsShape, RhsShape>::product_evaluator(const XprType&) [with Lhs =
Eigen::Product<Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double,
double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, 1, -1> >, const Eigen::Transpose<Eigen::Matrix<double, -1,
1> > >, Eigen::Matrix<double, -1, -1>, 0>; Rhs = Eigen::Matrix<double, -1, 1>;
int Options = 0; int ProductTag = 6; LhsShape = Eigen::DenseShape; RhsShape =
Eigen::DenseShape; typename Eigen::internal::traits<typename Eigen::Product<Lhs,
Rhs, Option>::Rhs>::Scalar = double; typename Eigen::Product<Lhs, Rhs,
Option>::Rhs = Eigen::Matrix<double, -1, 1>; typename
Eigen::internal::traits<typename Eigen::Product<Lhs, Rhs, Option>::Lhs>::Scalar
= double; typename Eigen::Product<Lhs, Rhs, Option>::Lhs =
Eigen::Product<Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double,
double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, 1, -1> >, const Eigen::Transpose<Eigen::Matrix<double, -1,
1> > >, Eigen::Matrix<double, -1, -1>, 0>;
Eigen::internal::product_evaluator<Eigen::Product<Lhs, Rhs, Option>, ProductTag,
LhsShape, RhsShape>::XprType = Eigen::Product<Eigen::Product<Eigen::CwiseBinaryO
p<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, 1, -1> >, const Eigen::Transpose<Eigen::Matrix<double, -1,
1> > >, Eigen::Matrix<double, -1, -1>, 0>, Eigen::Matrix<double, -1, 1>, 0>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/ProductEvaluators.h:35:70:   required from
'Eigen::internal::evaluator<Eigen::Product<Lhs, Rhs, Option> >::evaluator(const
XprType&) [with Lhs =
Eigen::Product<Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double,
double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, 1, -1> >, const Eigen::Transpose<Eigen::Matrix<double, -1,
1> > >, Eigen::Matrix<double, -1, -1>, 0>; Rhs = Eigen::Matrix<double, -1, 1>;
int Options = 0; Eigen::internal::evaluator<Eigen::Product<Lhs, Rhs, Option>
>::XprType = Eigen::Product<Eigen::Product<Eigen::CwiseBinaryOp<Eigen::internal:
:scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, 1, -1> >, const Eigen::Transpose<Eigen::Matrix<double, -1,
1> > >, Eigen::Matrix<double, -1, -1>, 0>, Eigen::Matrix<double, -1, 1>, 0>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
```

```
gen_3.3.3/Eigen/src/Core/Product.h:132:22:    required from
'Eigen::internal::dense_product_base<Lhs, Rhs, Option, 6>::operator const
Scalar() const [with Lhs =
Eigen::Product<Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double,
double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, 1, -1> >, const Eigen::Transpose<Eigen::Matrix<double, -1,
1> > >, Eigen::Matrix<double, -1, -1>, 0>; Rhs = Eigen::Matrix<double, -1, 1>;
int Option = 0; Eigen::internal::dense_product_base<Lhs, Rhs, Option, 6>::Scalar
= double]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/mcmc/hmc/hamiltonians/dense_e_metric.hpp:24:60:
required from 'double stan::mcmc::dense_e_metric<Model,
BaseRNG>::T(stan::mcmc::dense_e_point&) [with Model = anon_model_6480e1d1f319fa3
9f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7fd542ccee9;
BaseRNG = boost::random::additive_combine_engine<boost::random::linear_congruent
ial_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/mcmc/hmc/hamiltonians/dense_e_metric.hpp:23:14:
required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |     MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
```

```
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize  = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                                       ^~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h: In instantiation of 'struct Eigen::i
nternal::copy_using_evaluator_traits<Eigen::internal::evaluator<Eigen::Map<Eigen
::Matrix<double, -1, 1>, 0, Eigen::Stride<0, 0> > >,
Eigen::internal::evaluator<Eigen::Transpose<const Eigen::Transpose<const
Eigen::Matrix<double, -1, 1> > > >, Eigen::internal::assign_op<double, double>
>':
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:607:49:   required from 'class Eigen:
:internal::generic_dense_assignment_kernel<Eigen::internal::evaluator<Eigen::Map
<Eigen::Matrix<double, -1, 1>, 0, Eigen::Stride<0, 0> > >,
Eigen::internal::evaluator<Eigen::Transpose<const Eigen::Transpose<const
Eigen::Matrix<double, -1, 1> > > >, Eigen::internal::assign_op<double, double>,
```

0>'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:739:10:   required from 'void
Eigen::internal::call_dense_assignment_loop(DstXprType&, const SrcXprType&,
const Functor&) [with DstXprType = Eigen::Map<Eigen::Matrix<double, -1, 1>, 0,
Eigen::Stride<0, 0> >; SrcXprType = Eigen::Transpose<const
Eigen::Transpose<const Eigen::Matrix<double, -1, 1> > >; Functor =
Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:879:31:   required from 'static void
Eigen::internal::Assignment<DstXprType, SrcXprType, Functor,
Eigen::internal::Dense2Dense, Weak>::run(DstXprType&, const SrcXprType&, const
Functor&) [with DstXprType = Eigen::Map<Eigen::Matrix<double, -1, 1>, 0,
Eigen::Stride<0, 0> >; SrcXprType = Eigen::Transpose<const
Eigen::Transpose<const Eigen::Matrix<double, -1, 1> > >; Functor =
Eigen::internal::assign_op<double, double>; Weak = void]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:836:49:   required from 'void
Eigen::internal::call_assignment_no_alias(Dst&, const Src&, const Func&) [with
Dst = Eigen::Map<Eigen::Matrix<double, -1, 1>, 0, Eigen::Stride<0, 0> >; Src =
Eigen::Transpose<const Eigen::Transpose<const Eigen::Matrix<double, -1, 1> > >;
Func = Eigen::internal::assign_op<double, double>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:804:27:   required from 'void
Eigen::internal::call_assignment(Dst&, const Src&, const Func&, typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type) [with Dst
= Eigen::Map<Eigen::Matrix<double, -1, 1>, 0, Eigen::Stride<0, 0> >; Src =
Eigen::Transpose<const Eigen::Transpose<const Eigen::Matrix<double, -1, 1> > >;
Func = Eigen::internal::assign_op<double, double>; typename
Eigen::internal::enable_if<(!
Eigen::internal::evaluator_assume_aliasing<Src>::value), void*>::type = void*;
typename Eigen::internal::evaluator_traits<SrcXprType>::Shape =
Eigen::DenseShape]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:782:18:   [skipping 18 instantiation
contexts, use -ftemplate-backtrace-limit=0 to disable]
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/ProductEvaluators.h:245:64:   required from 'static
void Eigen::internal::generic_product_impl<Lhs, Rhs, Eigen::DenseShape,
Eigen::DenseShape, 6>::evalTo(Dst&, const Lhs&, const Rhs&) [with Dst =
Eigen::Matrix<double, 1, 1, 0, 1, 1>; Lhs =
Eigen::Product<Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double,
double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, 1, -1> >, const Eigen::Transpose<Eigen::Matrix<double, -1,
1> > >, Eigen::Matrix<double, -1, -1>, 0>; Rhs = Eigen::Matrix<double, -1, 1>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei

gen_3.3.3/Eigen/src/Core/ProductEvaluators.h:124:75:   required from
'Eigen::internal::product_evaluator<Eigen::Product<Lhs, Rhs, Option>,
ProductTag, LhsShape, RhsShape>::product_evaluator(const XprType&) [with Lhs =
Eigen::Product<Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double,
double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, 1, -1> >, const Eigen::Transpose<Eigen::Matrix<double, -1,
1> > >, Eigen::Matrix<double, -1, -1>, 0>; Rhs = Eigen::Matrix<double, -1, 1>;
int Options = 0; int ProductTag = 6; LhsShape = Eigen::DenseShape; RhsShape =
Eigen::DenseShape; typename Eigen::internal::traits<typename Eigen::Product<Lhs,
Rhs, Option>::Rhs>::Scalar = double; typename Eigen::Product<Lhs, Rhs,
Option>::Rhs = Eigen::Matrix<double, -1, 1>; typename
Eigen::internal::traits<typename Eigen::Product<Lhs, Rhs, Option>::Lhs>::Scalar
= double; typename Eigen::Product<Lhs, Rhs, Option>::Lhs =
Eigen::Product<Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double,
double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, 1, -1> >, const Eigen::Transpose<Eigen::Matrix<double, -1,
1> > >, Eigen::Matrix<double, -1, -1>, 0>;
Eigen::internal::product_evaluator<Eigen::Product<Lhs, Rhs, Option>, ProductTag,
LhsShape, RhsShape>::XprType = Eigen::Product<Eigen::Product<Eigen::CwiseBinaryO
p<Eigen::internal::scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, 1, -1> >, const Eigen::Transpose<Eigen::Matrix<double, -1,
1> > >, Eigen::Matrix<double, -1, -1>, 0>, Eigen::Matrix<double, -1, 1>, 0>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/ProductEvaluators.h:35:70:   required from
'Eigen::internal::evaluator<Eigen::Product<Lhs, Rhs, Option> >::evaluator(const
XprType&) [with Lhs =
Eigen::Product<Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double,
double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, 1, -1> >, const Eigen::Transpose<Eigen::Matrix<double, -1,
1> > >, Eigen::Matrix<double, -1, -1>, 0>; Rhs = Eigen::Matrix<double, -1, 1>;
int Options = 0; Eigen::internal::evaluator<Eigen::Product<Lhs, Rhs, Option>
>::XprType = Eigen::Product<Eigen::Product<Eigen::CwiseBinaryOp<Eigen::internal:
:scalar_product_op<double, double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, 1, -1> >, const Eigen::Transpose<Eigen::Matrix<double, -1,
1> > >, Eigen::Matrix<double, -1, -1>, 0>, Eigen::Matrix<double, -1, 1>, 0>]'
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/Product.h:132:22:   required from
'Eigen::internal::dense_product_base<Lhs, Rhs, Option, 6>::operator const
Scalar() const [with Lhs =
Eigen::Product<Eigen::CwiseBinaryOp<Eigen::internal::scalar_product_op<double,
double>, const
Eigen::CwiseNullaryOp<Eigen::internal::scalar_constant_op<double>, const
Eigen::Matrix<double, 1, -1> >, const Eigen::Transpose<Eigen::Matrix<double, -1,

```
1> > >, Eigen::Matrix<double, -1, -1, 0>; Rhs = Eigen::Matrix<double, -1, 1>;
int Option = 0; Eigen::internal::dense_product_base<Lhs, Rhs, Option, 6>::Scalar
= double]
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/mcmc/hmc/hamiltonians/dense_e_metric.hpp:24:60:
required from 'double stan::mcmc::dense_e_metric<Model,
BaseRNG>::T(stan::mcmc::dense_e_point&) [with Model = anon_model_6480e1d1f319fa3
9f3dae7fd542ccee9_namespace::anon_model_6480e1d1f319fa39f3dae7fd542ccee9;
BaseRNG = boost::random::additive_combine_engine<boost::random::linear_congruent
ial_engine<unsigned int, 40014, 0, 2147483563>,
boost::random::linear_congruential_engine<unsigned int, 40692, 0, 2147483399>
>]'
/home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/mcmc/hmc/hamiltonians/dense_e_metric.hpp:23:14:
required from here
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:86:63: warning: enum constant in
boolean context [-Wint-in-bool-context]
   86 |      MayLinearVectorize = bool(MightVectorize) && MayLinearize &&
DstHasDirectAccess
      |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~^~~~~~~~~~~~~~~~~~~~~~~
In file included from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Core:420,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/lib/eigen_3.3.3/Eigen/Dense:1,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/prim/mat/fun/Eigen.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat/fun/Eigen_NumTraits.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core/matrix_vari.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/core.hpp:14,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/lib/stan_math/stan/math/rev/mat.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/log_prob_grad.hpp:4,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/model/test_gradients.hpp:7,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan/src/stan/services/diagnose/diagnose.hpp:10,
                 from /home/siyan/.local/lib/python3.10/site-
packages/pystan/stan_fit.hpp:22,
                 from /tmp/tmpqn66zojf/stanfit4anon_model_6480e1d1f319fa39f3dae7
fd542ccee9_5381600317920641068.cpp:1287:
/home/siyan/.local/lib/python3.10/site-packages/pystan/stan/lib/stan_math/lib/ei
gen_3.3.3/Eigen/src/Core/AssignEvaluator.h:90:55: warning: enum constant in
```

```
boolean context [-Wint-in-bool-context]
   90 |     MaySliceVectorize   = bool(MightVectorize) &&
bool(DstHasDirectAccess)
      |                                             ^~~~~~~~~~~~~~~~~~
```

Gradient evaluation took 0.029532 seconds
1000 transitions using 10 leapfrog steps per transition would take 295.32
seconds.
Adjust your expectations accordingly!

WARNING: There aren't enough warmup iterations to fit the
        three stages of adaptation as currently configured.
        Reducing each adaptation stage to 15%/75%/10% of
        the given number of warmup iterations:
          init_buffer = 7
          adapt_window = 38
          term_buffer = 5

Gradient evaluation took 0.030637 seconds
1000 transitions using 10 leapfrog steps per transition would take 306.37
seconds.
Adjust your expectations accordingly!

WARNING: There aren't enough warmup iterations to fit the
        three stages of adaptation as currently configured.
        Reducing each adaptation stage to 15%/75%/10% of
        the given number of warmup iterations:
          init_buffer = 7
          adapt_window = 38
          term_buffer = 5

Iteration: 1 / 100 [1%] (Warmup)
Iteration: 10 / 100 [10%] (Warmup)
Iteration: 1 / 100 [1%] (Warmup)
Iteration: 10 / 100 [10%] (Warmup)
Iteration: 20 / 100 [20%] (Warmup)
Iteration: 30 / 100 [30%] (Warmup)
Iteration: 20 / 100 [20%] (Warmup)
Iteration: 30 / 100 [30%] (Warmup)
Iteration: 40 / 100 [40%] (Warmup)
Iteration: 40 / 100 [40%] (Warmup)
Iteration: 50 / 100 [50%] (Warmup)
Iteration: 51 / 100 [51%] (Sampling)
Iteration: 50 / 100 [50%] (Warmup)

```

```
Iteration: 51 / 100 [51%] (Sampling)
Iteration: 60 / 100 [60%] (Sampling)
Iteration: 60 / 100 [60%] (Sampling)
Iteration: 70 / 100 [70%] (Sampling)
Iteration: 70 / 100 [70%] (Sampling)
Iteration: 80 / 100 [80%] (Sampling)
Iteration: 80 / 100 [80%] (Sampling)
Iteration: 90 / 100 [90%] (Sampling)
Iteration: 90 / 100 [90%] (Sampling)
Iteration: 100 / 100 [100%] (Sampling)
Iteration: 100 / 100 [100%] (Sampling)

 Elapsed Time: 20.446 seconds (Warm-up)
               54.8753 seconds (Sampling)
               75.3213 seconds (Total)

Gradient evaluation took 0.01197 seconds
1000 transitions using 10 leapfrog steps per transition would take 119.7
seconds.
Adjust your expectations accordingly!

WARNING: There aren't enough warmup iterations to fit the
         three stages of adaptation as currently configured.
         Reducing each adaptation stage to 15%/75%/10% of
         the given number of warmup iterations:
           init_buffer = 7
           adapt_window = 38
           term_buffer = 5

Iteration: 1 / 100 [1%] (Warmup)
Iteration: 10 / 100 [10%] (Warmup)

 Elapsed Time: 13.7674 seconds (Warm-up)
               65.9777 seconds (Sampling)
               79.7452 seconds (Total)

Gradient evaluation took 0.012487 seconds
1000 transitions using 10 leapfrog steps per transition would take 124.87
seconds.
Adjust your expectations accordingly!

WARNING: There aren't enough warmup iterations to fit the
         three stages of adaptation as currently configured.
         Reducing each adaptation stage to 15%/75%/10% of
```

```
        the given number of warmup iterations:
          init_buffer = 7
          adapt_window = 38
          term_buffer = 5


Iteration:   1 / 100 [  1%]  (Warmup)
Iteration:  10 / 100 [ 10%]  (Warmup)
Iteration:  20 / 100 [ 20%]  (Warmup)
Iteration:  30 / 100 [ 30%]  (Warmup)
Iteration:  40 / 100 [ 40%]  (Warmup)
Iteration:  50 / 100 [ 50%]  (Warmup)
Iteration:  51 / 100 [ 51%]  (Sampling)
Iteration:  60 / 100 [ 60%]  (Sampling)
Iteration:  70 / 100 [ 70%]  (Sampling)
Iteration:  80 / 100 [ 80%]  (Sampling)
Iteration:  90 / 100 [ 90%]  (Sampling)
Iteration:  20 / 100 [ 20%]  (Warmup)
Iteration:  30 / 100 [ 30%]  (Warmup)
Iteration: 100 / 100 [100%]  (Sampling)


 Elapsed Time: 11.1007 seconds (Warm-up)
               35.7596 seconds (Sampling)
               46.8604 seconds (Total)


Iteration:  40 / 100 [ 40%]  (Warmup)
Iteration:  50 / 100 [ 50%]  (Warmup)
Iteration:  51 / 100 [ 51%]  (Sampling)
Iteration:  60 / 100 [ 60%]  (Sampling)
Iteration:  70 / 100 [ 70%]  (Sampling)
Iteration:  80 / 100 [ 80%]  (Sampling)
Iteration:  90 / 100 [ 90%]  (Sampling)
Iteration: 100 / 100 [100%]  (Sampling)

WARNING:pystan:Rhat for parameter beta[1] is 1.633223718279847!
WARNING:pystan:Rhat for parameter beta[2] is 1.7384104126035809!
WARNING:pystan:Rhat for parameter alpha is 5.9975803845317905!
WARNING:pystan:Rhat for parameter sigma is 1.4681878616509982!
WARNING:pystan:Rhat for parameter lp__ is 1.6689490236452358!
WARNING:pystan:Rhat above 1.1 or below 0.9 indicates that the chains very likely
have not mixed
WARNING:pystan:1 of 200 iterations saturated the maximum tree depth of 10 (0.5%)
WARNING:pystan:Run again with max_treedepth larger than 10 to avoid saturation
WARNING:pystan:Chain 1: E-BFMI = 0.0247110640184885
WARNING:pystan:Chain 2: E-BFMI = 0.09329297206902808
WARNING:pystan:Chain 3: E-BFMI = 0.020096063442197255
WARNING:pystan:Chain 4: E-BFMI = 0.02551020285389375
WARNING:pystan:E-BFMI below 0.2 indicates you may need to reparameterize your
model
```

```
 Elapsed Time: 56.1792 seconds (Warm-up)
              28.2692 seconds (Sampling)
              84.4484 seconds (Total)


/home/siyan/.local/lib/python3.10/site-
packages/keras/src/layers/core/dense.py:87: UserWarning: Do not pass an
`input_shape`/`input_dim` argument to a layer. When using Sequential models,
prefer using an `Input(shape)` object as the first layer in the model instead.
  super().__init__(activity_regularizer=activity_regularizer, **kwargs)

Epoch 1/50
6004/6004              19s 3ms/step -
loss: 365749248.0000 - mae: 13073.1260 - val_loss: 52561604.0000 - val_mae:
4659.9834
Epoch 2/50
6004/6004              18s 2ms/step -
loss: 48502496.0000 - mae: 4465.6455 - val_loss: 43136812.0000 - val_mae:
4008.1938
Epoch 3/50
6004/6004              28s 3ms/step -
loss: 47018840.0000 - mae: 4327.7871 - val_loss: 42804552.0000 - val_mae:
4434.1704
Epoch 4/50
6004/6004              40s 3ms/step -
loss: 46103360.0000 - mae: 4286.6113 - val_loss: 40681664.0000 - val_mae:
4338.7168
Epoch 5/50
6004/6004              20s 3ms/step -
loss: 46140688.0000 - mae: 4263.8213 - val_loss: 36633464.0000 - val_mae:
3816.5642
Epoch 6/50
6004/6004              20s 3ms/step -
loss: 45286808.0000 - mae: 4217.4819 - val_loss: 37530192.0000 - val_mae:
3965.4048
Epoch 7/50
6004/6004              20s 3ms/step -
loss: 44790028.0000 - mae: 4192.9927 - val_loss: 36173936.0000 - val_mae:
3695.9714
Epoch 8/50
6004/6004              20s 3ms/step -
loss: 44476088.0000 - mae: 4170.0762 - val_loss: 41258668.0000 - val_mae:
3936.4614
Epoch 9/50
6004/6004              22s 3ms/step -
loss: 44493024.0000 - mae: 4163.6597 - val_loss: 34824404.0000 - val_mae:
3655.3069
Epoch 10/50
```

```
6004/6004              20s 3ms/step -
loss: 43563496.0000 - mae: 4128.2329 - val_loss: 35466656.0000 - val_mae:
3677.0403
Epoch 11/50
6004/6004              21s 4ms/step -
loss: 43076656.0000 - mae: 4107.5410 - val_loss: 37137636.0000 - val_mae:
3817.7642
Epoch 12/50
6004/6004              20s 3ms/step -
loss: 43364344.0000 - mae: 4126.5737 - val_loss: 33928752.0000 - val_mae:
3636.9260
Epoch 13/50
6004/6004              20s 3ms/step -
loss: 43562420.0000 - mae: 4128.2603 - val_loss: 35176120.0000 - val_mae:
3665.1921
Epoch 14/50
6004/6004              20s 3ms/step -
loss: 43327664.0000 - mae: 4102.0356 - val_loss: 34537040.0000 - val_mae:
3620.0166
Epoch 15/50
6004/6004              21s 3ms/step -
loss: 42567680.0000 - mae: 4072.3235 - val_loss: 33516616.0000 - val_mae:
3611.1711
Epoch 16/50
6004/6004              40s 3ms/step -
loss: 42845884.0000 - mae: 4093.1050 - val_loss: 36151308.0000 - val_mae:
3729.1575
Epoch 17/50
6004/6004              21s 3ms/step -
loss: 42418784.0000 - mae: 4070.7651 - val_loss: 34484216.0000 - val_mae:
3721.9666
Epoch 18/50
6004/6004              21s 4ms/step -
loss: 41963660.0000 - mae: 4046.4438 - val_loss: 33451078.0000 - val_mae:
3703.1013
Epoch 19/50
6004/6004              21s 4ms/step -
loss: 42130356.0000 - mae: 4038.9106 - val_loss: 32679360.0000 - val_mae:
3541.6843
Epoch 20/50
6004/6004              22s 4ms/step -
loss: 41921048.0000 - mae: 4034.4951 - val_loss: 32624378.0000 - val_mae:
3525.3772
Epoch 21/50
6004/6004              21s 4ms/step -
loss: 41804748.0000 - mae: 4026.5105 - val_loss: 33573036.0000 - val_mae:
3623.1619
Epoch 22/50
```
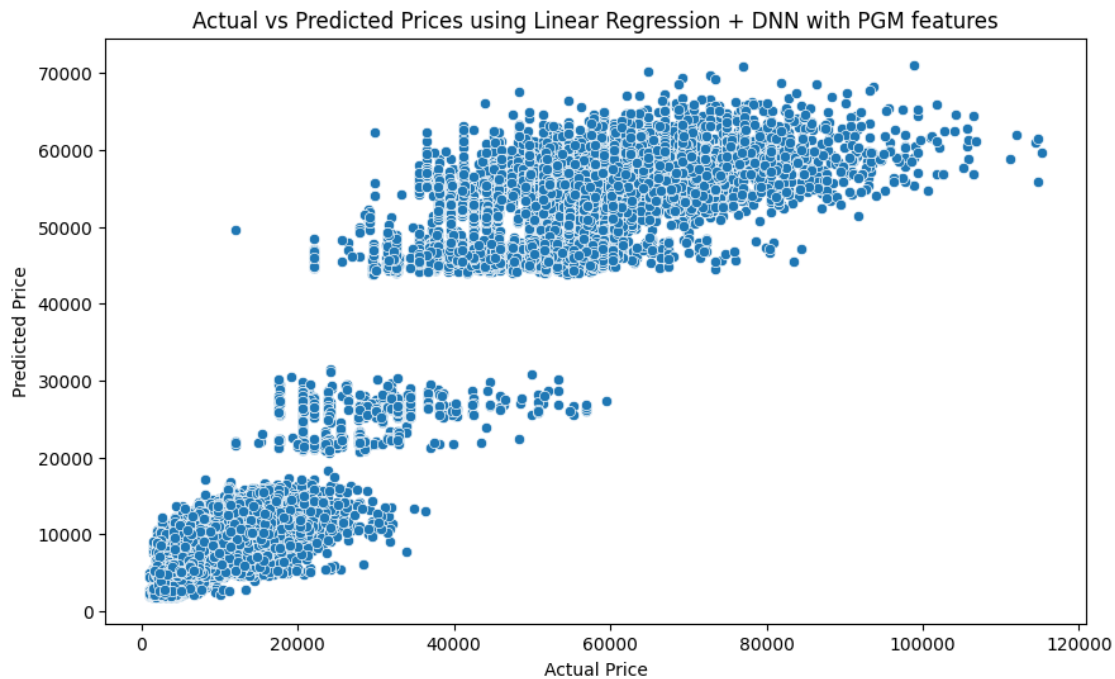
```
6004/6004          20s 3ms/step -
loss: 41868836.0000 - mae: 4035.0906 - val_loss: 32410284.0000 - val_mae:
3534.3606
Epoch 23/50
6004/6004          19s 3ms/step -
loss: 42031732.0000 - mae: 4036.7600 - val_loss: 32610460.0000 - val_mae:
3562.6765
Epoch 24/50
6004/6004          19s 3ms/step -
loss: 41874900.0000 - mae: 4041.3655 - val_loss: 35915540.0000 - val_mae:
3704.5342
Epoch 25/50
6004/6004          22s 3ms/step -
loss: 41292648.0000 - mae: 4007.4788 - val_loss: 35236560.0000 - val_mae:
3641.9514
Epoch 26/50
6004/6004          20s 3ms/step -
loss: 41098484.0000 - mae: 3993.3037 - val_loss: 32199342.0000 - val_mae:
3539.4221
Epoch 27/50
6004/6004          20s 3ms/step -
loss: 41275864.0000 - mae: 3998.2317 - val_loss: 32453798.0000 - val_mae:
3550.1926
Epoch 28/50
6004/6004          19s 3ms/step -
loss: 41065920.0000 - mae: 3997.3621 - val_loss: 32295672.0000 - val_mae:
3557.3032
Epoch 29/50
6004/6004          20s 3ms/step -
loss: 41270964.0000 - mae: 4000.6711 - val_loss: 31459018.0000 - val_mae:
3476.8877
Epoch 30/50
6004/6004          20s 3ms/step -
loss: 41230132.0000 - mae: 3989.7463 - val_loss: 31201610.0000 - val_mae:
3454.5142
Epoch 31/50
6004/6004          18s 3ms/step -
loss: 40767856.0000 - mae: 3958.4656 - val_loss: 34266828.0000 - val_mae:
3612.9324
Epoch 32/50
6004/6004          18s 3ms/step -
loss: 40645892.0000 - mae: 3960.6453 - val_loss: 31218984.0000 - val_mae:
3439.8977
Epoch 33/50
6004/6004          19s 3ms/step -
loss: 39884524.0000 - mae: 3924.6948 - val_loss: 32929342.0000 - val_mae:
3573.8220
Epoch 34/50
```

```
6004/6004              20s 3ms/step -
loss: 40822744.0000 - mae: 3973.4580 - val_loss: 32311218.0000 - val_mae:
3594.2759
Epoch 35/50
6004/6004              18s 3ms/step -
loss: 40547764.0000 - mae: 3965.3333 - val_loss: 31220660.0000 - val_mae:
3442.4961
Epoch 36/50
6004/6004              19s 3ms/step -
loss: 40074884.0000 - mae: 3920.0349 - val_loss: 32865538.0000 - val_mae:
3567.9084
Epoch 37/50
6004/6004              19s 3ms/step -
loss: 39704328.0000 - mae: 3913.0068 - val_loss: 33393306.0000 - val_mae:
3545.7219
Epoch 38/50
6004/6004              22s 3ms/step -
loss: 39411944.0000 - mae: 3900.3411 - val_loss: 31065084.0000 - val_mae:
3453.7236
Epoch 39/50
6004/6004              20s 3ms/step -
loss: 39551716.0000 - mae: 3896.0144 - val_loss: 31728846.0000 - val_mae:
3469.3213
Epoch 40/50
6004/6004              20s 3ms/step -
loss: 39196020.0000 - mae: 3875.5813 - val_loss: 30409348.0000 - val_mae:
3385.5105
Epoch 41/50
6004/6004              20s 3ms/step -
loss: 39039460.0000 - mae: 3868.4290 - val_loss: 30888992.0000 - val_mae:
3435.6819
Epoch 42/50
6004/6004              19s 3ms/step -
loss: 39330680.0000 - mae: 3881.1108 - val_loss: 30887360.0000 - val_mae:
3399.8345
Epoch 43/50
6004/6004              20s 3ms/step -
loss: 39234012.0000 - mae: 3873.6770 - val_loss: 31770126.0000 - val_mae:
3457.9263
Epoch 44/50
6004/6004              19s 3ms/step -
loss: 38427044.0000 - mae: 3832.0393 - val_loss: 31137780.0000 - val_mae:
3429.9253
Epoch 45/50
6004/6004              20s 3ms/step -
loss: 39076240.0000 - mae: 3855.5298 - val_loss: 30373172.0000 - val_mae:
3391.1411
Epoch 46/50
```

```
6004/6004              19s 3ms/step -
loss: 38896476.0000 - mae: 3848.7749 - val_loss: 30274802.0000 - val_mae:
3389.5149
Epoch 47/50
6004/6004              19s 3ms/step -
loss: 37919836.0000 - mae: 3806.2861 - val_loss: 29626476.0000 - val_mae:
3376.6514
Epoch 48/50
6004/6004              22s 3ms/step -
loss: 37663664.0000 - mae: 3793.5464 - val_loss: 29961246.0000 - val_mae:
3369.3389
Epoch 49/50
6004/6004              20s 3ms/step -
loss: 37400512.0000 - mae: 3791.6680 - val_loss: 30967924.0000 - val_mae:
3429.1924
Epoch 50/50
6004/6004              18s 3ms/step -
loss: 37651120.0000 - mae: 3787.2373 - val_loss: 31407144.0000 - val_mae:
3462.3911
1876/1876              3s 2ms/step
Mean Squared Error: 31611055.71
Mean Absolute Error: 3452.47
R-squared: 0.94
Root Mean Squared Error: 5622.37
```


Actual vs Predicted Prices using Linear Regression + DNN with PGM features

3.3 PCA Analysis on Cleaned Dataset

In this section, we perform Principal Component Analysis (PCA) on a portion of the `clean_dataset_updated` dataset. The steps include sampling the data, preprocessing features, running PCA, and visualizing the results.

3.3.1 Step-by-Step Process

1. **Print Dataset Columns**:
   - Confirm the columns present in the dataset.
2. **Sample the Data**:
   - Select 10% of the data for testing to make the computations manageable.
3. **Select Features for PCA**:
   - Identify the features to be used for PCA: `airline`, `source_city`, `destination_city`, `class`, `duration`, `days_left`, and `distance`.
   - Ensure the target variable `price` is included.
4. **Check for Missing Features**:
   - Ensure all selected features and the target variable are present in the sampled dataset.
5. **Preprocess Data**:
   - Use `ColumnTransformer` to standardize numerical features (`duration`, `days_left`, `distance`) and one-hot encode categorical features (`airline`, `source_city`, `destination_city`, `class`).
   - Extract features and target variable from the dataset.
   - Fit and transform the features using the preprocessor.
6. **Standardize the Preprocessed Data**:
   - Standardize the data to ensure it has a mean of 0 and standard deviation of 1.
7. **Run PCA**:
   - Create a PCA instance.
   - Fit and transform the standardized data with PCA.
8. **Visualize Results**:
   - Plot the Scree Plot to show the explained variance ratio of each principal component.
   - Plot the cumulative explained variance ratio to determine the number of principal components required to explain a significant portion of the variance.

```
import pandas as pd
from sklearn.preprocessing import StandardScaler, OneHotEncoder
from sklearn.decomposition import PCA
from sklearn.compose import ColumnTransformer
from sklearn.pipeline import Pipeline
import matplotlib.pyplot as plt
```

```
# Print the column names of the dataset to confirm
print("Columns in the dataset:", clean_dataset_updated.columns)
```

```
Columns in the dataset: Index(['Unnamed: 0', 'airline', 'flight', 'source_city',
'departure_time',
       'stops', 'arrival_time', 'destination_city', 'class', 'duration',
       'days_left', 'price', 'combined_date', 'distance', 'day_of_week',
       'week_of_year', 'month', 'is_holiday', 'route_class', 'price_bin',
```
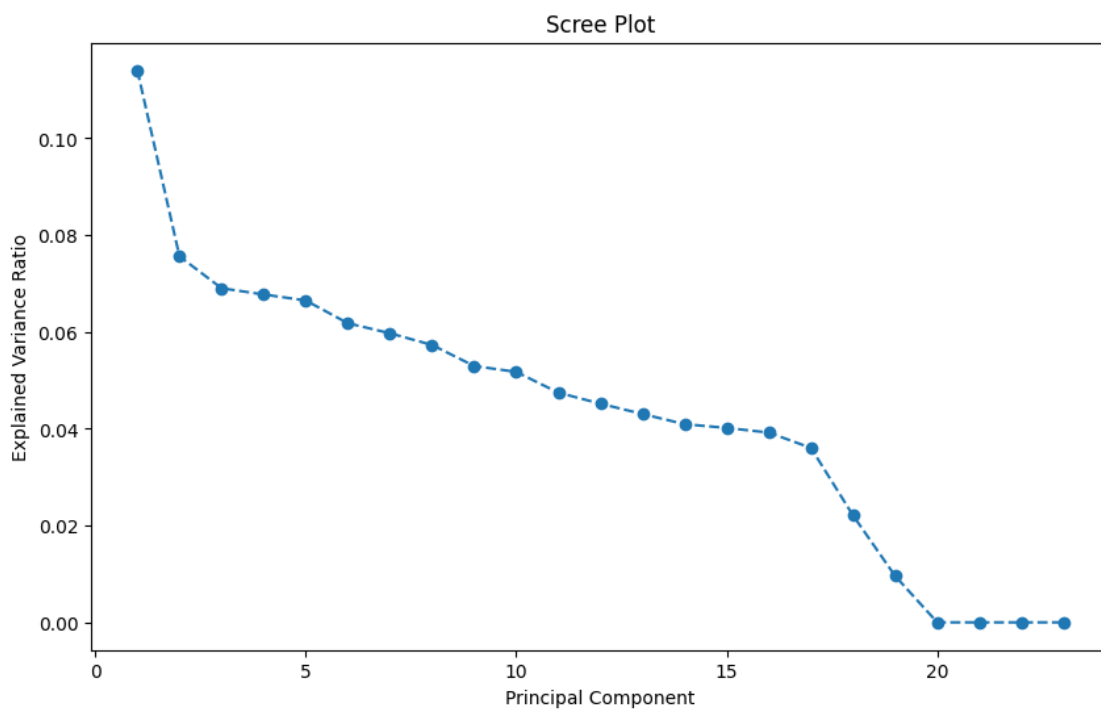
```
                   'days_left_bin'],
              dtype='object')
```

```
[ ]: # Select a portion of the data for testing
     sampled_data = clean_dataset_updated.sample(frac=0.1, random_state=42)   #␣
      ↪Select 10% of the data
```

```
[ ]: # Select the features for PCA
     selected_features = ['airline', 'source_city', 'destination_city', 'class',␣
      ↪'duration', 'days_left', 'distance']
     target = 'price'
```

```
[ ]: # Ensure all required columns are present
     for feature in selected_features + [target]:
         if feature not in sampled_data.columns:
             raise ValueError(f"Missing feature: {feature}")
```

```
[ ]: # One-hot encode categorical variables
     categorical_features = ['airline', 'source_city', 'destination_city', 'class']
     numerical_features = ['duration', 'days_left', 'distance']

     # Create a preprocessor: standardize numerical features and one-hot encode␣
      ↪categorical features
     preprocessor = ColumnTransformer(
         transformers=[
             ('num', StandardScaler(), numerical_features),
             ('cat', OneHotEncoder(sparse_output=False), categorical_features)
         ])
```

```
[ ]: # extract the features and target variable
     X = sampled_data[selected_features]
     y = sampled_data[target]
```

```
[ ]: # Data preprocessing
     X_preprocessed = preprocessor.fit_transform(X)

     # Check the shape of the preprocessed data
     print("Shape of preprocessed data:", X_preprocessed.shape)
```

    Shape of preprocessed data: (30015, 23)

```
[ ]: # Standardize the data
     scaler = StandardScaler()
     X_scaled = scaler.fit_transform(X_preprocessed)
```

```
[ ]: # Create a PCA instance
     pca = PCA(n_components=None)
```

```
# Run PCA
X_pca = pca.fit_transform(X_scaled)
```

[ ]:
```
# Plot the Scree plot
explained_variance = pca.explained_variance_ratio_
plt.figure(figsize=(10, 6))
plt.plot(range(1, len(explained_variance) + 1), explained_variance, marker='o',␣
 ↪linestyle='--')
plt.xlabel('Principal Component')
plt.ylabel('Explained Variance Ratio')
plt.title('Scree Plot')
plt.show()
```


[ ]:
```
# Output the explained variance ratio of each principal component
print(f'Explained variance by each principal component: {explained_variance}')
print(f'Total explained variance: {sum(explained_variance)}')
```

```
Explained variance by each principal component: [1.14035211e-01 7.56039336e-02
6.90165573e-02 6.77327648e-02
 6.64899571e-02 6.17862214e-02 5.97153844e-02 5.72980050e-02
 5.29563086e-02 5.17358682e-02 4.74469999e-02 4.51641078e-02
 4.30332257e-02 4.09375639e-02 4.01638791e-02 3.92007037e-02
 3.60336976e-02 2.20789518e-02 9.57065851e-03 1.21044185e-31
 7.22936217e-33 3.90294770e-33 2.13944202e-33]
```

Total explained variance: 1.0000000000000002

```python
# Calculate cumulative explained variance ratio
cumulative_variance = explained_variance.cumsum()
print(f'Cumulative explained variance: {cumulative_variance}')


# Plot the cumulative explained variance ratio
plt.figure(figsize=(10, 6))
plt.plot(range(1, len(cumulative_variance) + 1), cumulative_variance,
  ↪marker='o', linestyle='--')
plt.xlabel('Principal Component')
plt.ylabel('Cumulative Explained Variance Ratio')
plt.title('Cumulative Explained Variance Plot')
plt.show()
```

Cumulative explained variance: [0.11403521 0.18963915 0.2586557 0.32638847
0.39287842 0.45466465
 0.51438003 0.57167804 0.62463434 0.67637021 0.72381721 0.76898132
 0.81201455 0.85295211 0.89311599 0.93231669 0.96835039 0.99042934
 1.   1.   1.   1.   1.   ]

Cumulative Explained Variance Plot

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3.4 Model Selection and Feature Importance Analysis

This section describes the steps taken to select the best regression model for predicting flight prices from the `clean_dataset_updated` dataset. The analysis includes data preprocessing, model training, hyperparameter tuning, and evaluation. Additionally, we visualize the feature importance and analyze the correlation matrix of the features.

3.4.1 Step-by-Step Process

1. **Print Dataset Columns**:
   - Confirm the columns present in the dataset.
2. **Select Features and Target Variable**:
   - Identify the features to be used for the analysis: `airline`, `source_city`, `destination_city`, `class`, `duration`, `days_left`, and `distance`.
   - The target variable is `price`.
3. **Preprocess Data**:
   - Standardize numerical features (`duration`, `days_left`, `distance`) and one-hot encode categorical features (`airline`, `source_city`, `destination_city`, `class`) using `ColumnTransformer`.
4. **Split the Data**:
   - Split the dataset into training and test sets.
   - Further split the training set to create a smaller sample for initial experimentation.
5. **Define Models and Hyperparameters**:
   - Define four models: Linear Regression, Ridge Regression, Decision Tree Regressor, and Random Forest Regressor.
   - Specify hyperparameters for GridSearchCV.
6. **Perform Grid Search**:
   - Use GridSearchCV to find the best model based on the negative mean squared error (MSE).
   - Select the best model and hyperparameters based on the grid search results.
7. **Evaluate the Best Model**:
   - Evaluate the best model on the test set.
   - Calculate the mean squared error (MSE) of the predictions.
   - Visualize the actual vs predicted prices.
8. **Analyze Feature Importance**:
   - Extract and plot feature importances from the best model.
   - Visualize the correlation matrix of the features.

```python
import pandas as pd
from sklearn.preprocessing import StandardScaler, OneHotEncoder
from sklearn.model_selection import train_test_split, GridSearchCV
from sklearn.linear_model import LinearRegression, Ridge
from sklearn.tree import DecisionTreeRegressor
from sklearn.ensemble import RandomForestRegressor
from sklearn.compose import ColumnTransformer
from sklearn.pipeline import Pipeline
from sklearn.metrics import mean_squared_error
import matplotlib.pyplot as plt
```

```python
# Assuming clean_dataset_updated has been loaded as a DataFrame
# Confirm the columns included in the dataset
print("Columns in the dataset:", clean_dataset_updated.columns)

# Select the features and target variable for analysis
features = ['airline', 'source_city', 'destination_city', 'class', 'duration',
    'days_left', 'distance']
target = 'price'
```

```
Columns in the dataset: Index(['Unnamed: 0', 'airline', 'flight', 'source_city',
'departure_time',
        'stops', 'arrival_time', 'destination_city', 'class', 'duration',
        'days_left', 'price', 'combined_date', 'distance', 'day_of_week',
        'week_of_year', 'month', 'is_holiday', 'route_class', 'price_bin',
        'days_left_bin'],
      dtype='object')
```

```python
# One-hot encode categorical variables
categorical_features = ['airline', 'source_city', 'destination_city', 'class']
numerical_features = ['duration', 'days_left', 'distance']

# Create a preprocessor: standardize numerical features and one-hot encode
    categorical features
preprocessor = ColumnTransformer(
    transformers=[
        ('num', StandardScaler(), numerical_features),
        ('cat', OneHotEncoder(sparse_output=False), categorical_features)
    ])

# Extract features and target
X = clean_dataset_updated[features]
y = clean_dataset_updated[target]
```

```python
# Split the data into training and test sets
X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.2,
    random_state=42)

# use a small sample of the data for initial experimentation
X_train_sample, _, y_train_sample, _ = train_test_split(X_train, y_train,
    test_size=0.5, random_state=42)
```

```python
# Define the models and hyperparameters to try
models = [
    ('Linear Regression', LinearRegression(), {}),
    ('Ridge Regression', Ridge(), {'regressor__alpha': [0.1, 1.0]}),
    ('Decision Tree', DecisionTreeRegressor(), {'regressor__max_depth': [10,
    20]}),
```

```
        ('Random Forest', RandomForestRegressor(), {'regressor__n_estimators': [50,␣
    ↪100], 'regressor__max_depth': [10, 20]})
    ]
```

```
[ ]: # Perform grid search to find the best model
    best_model = None
    best_score = float('inf')
    best_params = None

    for name, model, params in models:
        pipeline = Pipeline(steps=[
            ('preprocessor', preprocessor),
            ('regressor', model)
        ])
        grid_search = GridSearchCV(pipeline, param_grid=params, cv=3,␣
    ↪scoring='neg_mean_squared_error', n_jobs=-1)
        grid_search.fit(X_train_sample, y_train_sample)
        score = -grid_search.best_score_
        if score < best_score:
            best_score = score
            best_model = grid_search.best_estimator_
            best_params = grid_search.best_params_

    # Print the best model and parameters
    print(f"Best Model: {best_model}")
    print(f"Best Parameters: {best_params}")
```

```
Best Model: Pipeline(steps=[('preprocessor',
                ColumnTransformer(transformers=[('num', StandardScaler(),
                                                 ['duration', 'days_left',
                                                  'distance']),
                                                ('cat',
OneHotEncoder(sparse_output=False),
                                                 ['airline', 'source_city',
                                                  'destination_city',
                                                  'class'])])),
                ('regressor', RandomForestRegressor(max_depth=20))])
Best Parameters: {'regressor__max_depth': 20, 'regressor__n_estimators': 100}
```

```
[ ]: # Evaluate the best model on the test set
    y_pred = best_model.predict(X_test)
    mse = mean_squared_error(y_test, y_pred)
    print(f"Mean Squared Error on Test Set: {mse}")
```
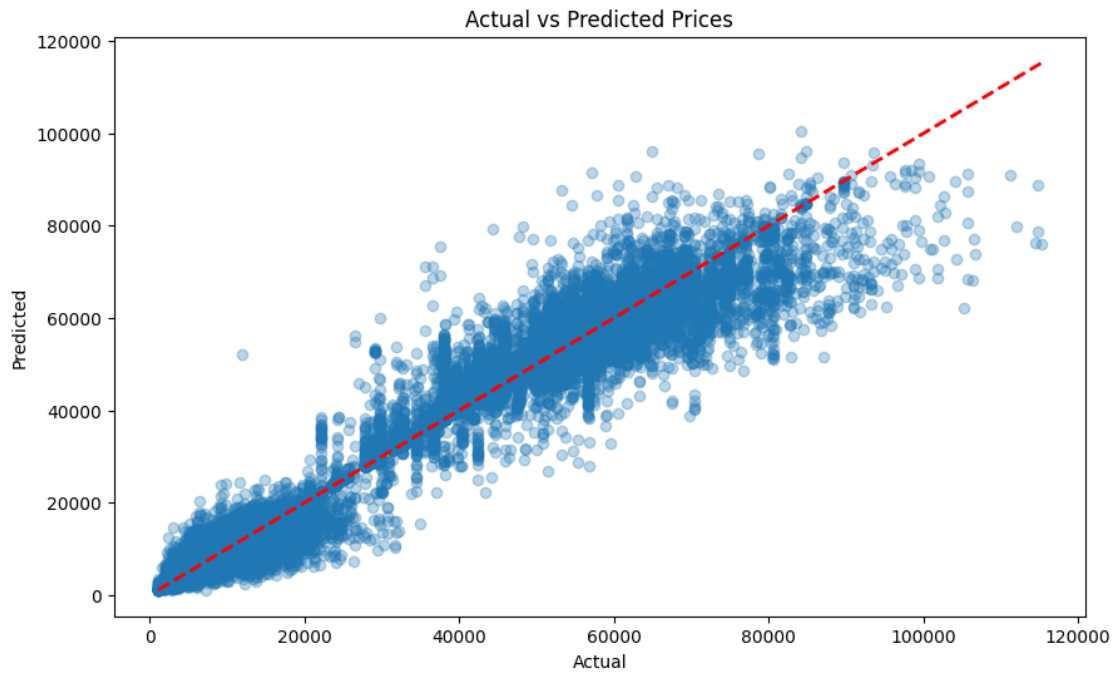
```
Mean Squared Error on Test Set: 10959913.231577694
```

```
[ ]: # visualize the actual vs predicted prices
    plt.figure(figsize=(10, 6))
```

```python
plt.scatter(y_test, y_pred, alpha=0.3)
plt.plot([y_test.min(), y_test.max()], [y_test.min(), y_test.max()], '--r',␣
 ↪linewidth=2)
plt.xlabel('Actual')
plt.ylabel('Predicted')
plt.title('Actual vs Predicted Prices')
plt.show()
```



```python
# Influencing factors, correlation analysis
# Extract regression coefficients


# extract the regressor from the best model
regressor = best_model.named_steps['regressor']


# extract feature importances
importances = regressor.feature_importances_


# get the encoded feature names
encoded_features = best_model.named_steps['preprocessor'].transformers_[1][1].
 ↪get_feature_names_out(categorical_features)
all_features = np.concatenate([numerical_features, encoded_features])
```

```python
# Create a DataFrame for feature importances
importances_df = pd.DataFrame({'Feature': all_features, 'Importance':␣
 ↪importances})
importances_df = importances_df.sort_values(by='Importance', ascending=False)


# output the feature importances DataFrame
print(importances_df)

# Evaluate the best model on the test set
y_pred = best_model.predict(X_test)
mse = mean_squared_error(y_test, y_pred)
print(f"Mean Squared Error on Test Set: {mse}")
```

```
                          Feature  Importance
22                  class_Economy    0.459372
21                 class_Business    0.424111
0                        duration    0.063127
1                       days_left    0.017855
2                        distance    0.015988
8                 airline_Vistara    0.005409
4               airline_Air_India    0.004620
17         destination_city_Delhi    0.001252
11              source_city_Delhi    0.001103
9           source_city_Bangalore    0.000755
15     destination_city_Bangalore    0.000716
13            source_city_Kolkata    0.000700
10            source_city_Chennai    0.000634
18     destination_city_Hyderabad    0.000617
19       destination_city_Kolkata    0.000570
20        destination_city_Mumbai    0.000569
12           source_city_Hyderabad    0.000523
14             source_city_Mumbai    0.000507
16       destination_city_Chennai    0.000491
3                 airline_AirAsia    0.000488
6                  airline_Indigo    0.000388
5                airline_GO_FIRST    0.000131
7                airline_SpiceJet    0.000075
Mean Squared Error on Test Set: 10959913.231577694
```
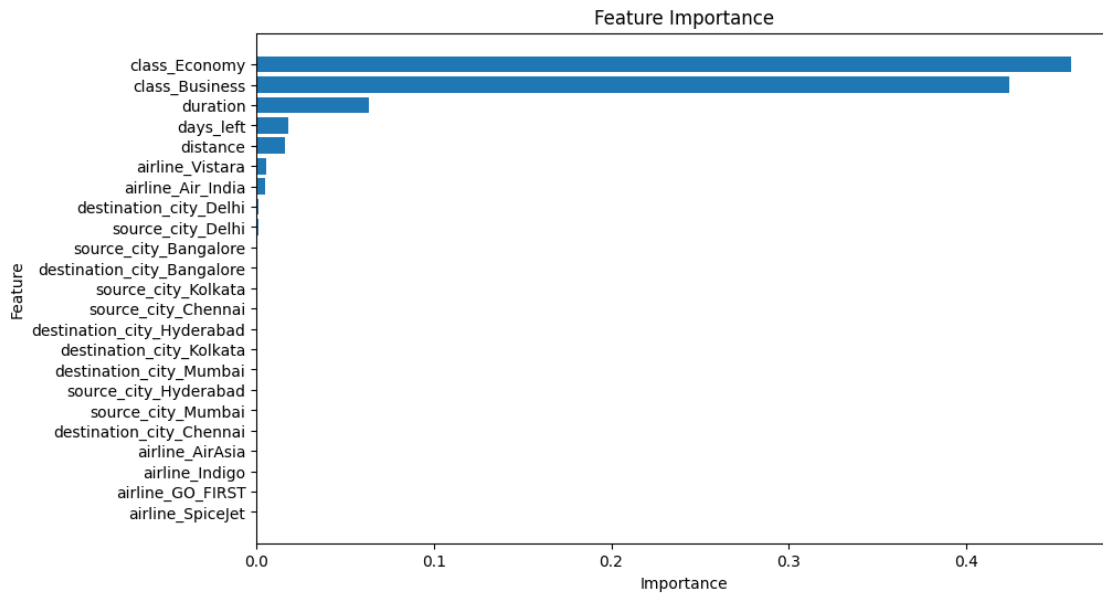
```python
# Plot the regression coefficients bar chart

plt.figure(figsize=(10, 6))
plt.barh(importances_df['Feature'], importances_df['Importance'])
plt.xlabel('Importance')
plt.ylabel('Feature')
```

```
plt.title('Feature Importance')
plt.gca().invert_yaxis()
plt.show()
```
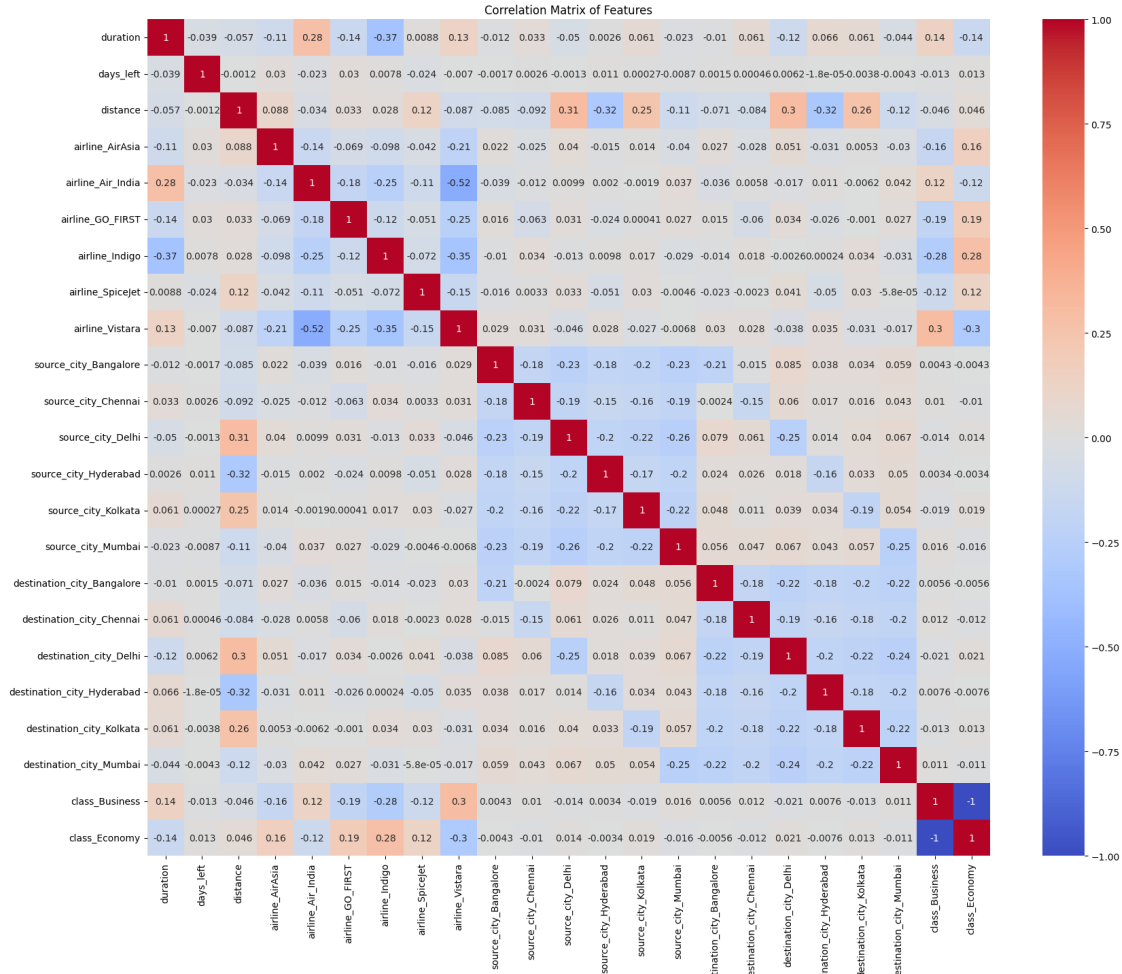

Feature Importance

```
features = ['airline', 'source_city', 'destination_city', 'class', 'duration',␣
 ↪'days_left', 'distance']

# Perform one-hot encoding for categorical variables
encoded_data = pd.get_dummies(clean_dataset_updated[features])

# Calculate the correlation matrix
correlation_matrix = encoded_data.corr()

# Plot the heatmap
plt.figure(figsize=(20, 16))
sns.heatmap(correlation_matrix, annot=True, cmap='coolwarm', center=0)
plt.title('Correlation Matrix of Features')
plt.show()
```

Correlation Matrix of Features

3.5 Deep Learning Model for Price Prediction

In this section, we develop a deep learning model using TensorFlow to predict flight prices. The process includes data preprocessing, model construction, training, and evaluation. The model incorporates feature interactions to improve predictive accuracy.

3.5.1 Step-by-Step Process

1. **Print Dataset Columns**:
   - Confirm the columns present in the dataset.
2. **Select Features and Target Variable**:
   - Identify the features to be used for the analysis: `airline`, `source_city`, `destination_city`, `class`, `duration`, `days_left`, and `distance`.
   - The target variable is `price`.
3. **Preprocess Data**:
   - Standardize numerical features (`duration`, `days_left`, `distance`) and one-hot encode categorical features (`airline`, `source_city`, `destination_city`, `class`) using

`ColumnTransformer`.
- Extract features and target from the dataset.
- Convert preprocessed features to a DataFrame.
4. **Split Data**:
   - Split the preprocessed DataFrame into training and testing sets.
   - Separate input features for the model.
5. **Build the Model**:
   - Define input layers for each feature set.
   - Create intermediate layers to capture feature interactions.
   - Construct hidden layers and an output layer.
6. **Compile and Train the Model**:
   - Compile the model with Adam optimizer and mean squared error loss function.
   - Train the model for 50 epochs with a batch size of 32.
7. **Evaluate the Model**:
   - Plot the change in loss during training.
   - Predict prices on the test set.

```python
import pandas as pd
from sklearn.preprocessing import StandardScaler, OneHotEncoder
from sklearn.compose import ColumnTransformer
from sklearn.pipeline import Pipeline
from tensorflow.keras.models import Model
from tensorflow.keras.layers import Dense, Input, concatenate
from sklearn.model_selection import train_test_split
from sklearn.metrics import mean_squared_error, r2_score
import numpy as np
import matplotlib.pyplot as plt
```

```python
# Assuming clean_dataset_updated has been loaded as a DataFrame
print("Columns in the dataset:", clean_dataset_updated.columns)

# Select the features and target variable for analysis
features = ['airline', 'source_city', 'destination_city', 'class', 'duration',
 ↪'days_left', 'distance']
target = 'price'

# One-hot encode categorical variables
categorical_features = ['airline', 'source_city', 'destination_city', 'class']
numerical_features = ['duration', 'days_left', 'distance']

# Create a preprocessor: standardize numerical features and one-hot encode
 ↪categorical features
preprocessor = ColumnTransformer(
    transformers=[
        ('num', StandardScaler(), numerical_features),
        ('cat', OneHotEncoder(sparse_output=False), categorical_features)
    ])
```

```python
# Extract features and target
X = clean_dataset_updated[features]
y = clean_dataset_updated[target]

# Data preprocessing
X_preprocessed = preprocessor.fit_transform(X)

# Convert preprocessed features to DataFrame
encoded_features = preprocessor.named_transformers_['cat'].
 ↪get_feature_names_out(categorical_features)
all_features = np.concatenate([numerical_features, encoded_features])
X_preprocessed_df = pd.DataFrame(X_preprocessed, columns=all_features)
```

```
Columns in the dataset: Index(['Unnamed: 0', 'airline', 'flight', 'source_city',
'departure_time',
       'stops', 'arrival_time', 'destination_city', 'class', 'duration',
       'days_left', 'price', 'combined_date', 'distance', 'day_of_week',
       'week_of_year', 'month', 'is_holiday', 'route_class', 'price_bin',
       'days_left_bin'],
      dtype='object')
```

```python
# Split the preprocessed DataFrame into training and testing sets
X_train, X_test, y_train, y_test = train_test_split(X_preprocessed_df, y,␣
 ↪test_size=0.2, random_state=42)

# Separate input features
train_airline = X_train.filter(like='airline')
train_source_city = X_train.filter(like='source_city')
train_destination_city = X_train.filter(like='destination_city')
train_class = X_train.filter(like='class')
train_duration = X_train[['duration']]
train_days_left = X_train[['days_left']]
train_distance = X_train[['distance']]

test_airline = X_test.filter(like='airline')
test_source_city = X_test.filter(like='source_city')
test_destination_city = X_test.filter(like='destination_city')
test_class = X_test.filter(like='class')
test_duration = X_test[['duration']]
test_days_left = X_test[['days_left']]
test_distance = X_test[['distance']]
```

```python
# Split the preprocessed DataFrame into training and testing sets
X_train, X_test, y_train, y_test = train_test_split(X_preprocessed_df, y,␣
 ↪test_size=0.2, random_state=42)
```

```python
# Separate input features
train_airline = X_train.filter(like='airline')
train_source_city = X_train.filter(like='source_city')
train_destination_city = X_train.filter(like='destination_city')
train_class = X_train.filter(like='class')
train_duration = X_train[['duration']]
train_days_left = X_train[['days_left']]
train_distance = X_train[['distance']]

test_airline = X_test.filter(like='airline')
test_source_city = X_test.filter(like='source_city')
test_destination_city = X_test.filter(like='destination_city')
test_class = X_test.filter(like='class')
test_duration = X_test[['duration']]
test_days_left = X_test[['days_left']]
test_distance = X_test[['distance']]
```

```python
# Input layers
input_airline = Input(shape=(train_airline.shape[1],), name='airline_input')
input_source_city = Input(shape=(train_source_city.shape[1],),
 ↪name='source_city_input')
input_destination_city = Input(shape=(train_destination_city.shape[1],),
 ↪name='destination_city_input')
input_class = Input(shape=(train_class.shape[1],), name='class_input')
input_duration = Input(shape=(1,), name='duration_input')
input_days_left = Input(shape=(1,), name='days_left_input')
input_distance = Input(shape=(1,), name='distance_input')

# Feature interactions
# Combine source_city and destination_city to generate an intermediate layer
 ↪affecting duration and distance
combined_city = concatenate([input_source_city, input_destination_city])
duration_distance = concatenate([combined_city, input_duration, input_distance])

# Airline affects source_city and destination_city
combined_airline_city = concatenate([input_airline, combined_city])

# Combine all features to form the final input layer
combined_features = concatenate([input_airline, input_class,
 ↪combined_airline_city, input_days_left, duration_distance])

# Construct hidden layers and output layer
dense1 = Dense(128, activation='relu')(combined_features)
dense2 = Dense(64, activation='relu')(dense1)
dense3 = Dense(32, activation='relu')(dense2)
output = Dense(1, activation='linear')(dense3)
```

```python
# Build the model
model = Model(inputs=[input_airline, input_source_city, input_destination_city,␣
 ↪input_class, input_duration, input_days_left, input_distance],␣
 ↪outputs=output)

# Compile the model
model.compile(optimizer='adam', loss='mean_squared_error',␣
 ↪metrics=['mean_squared_error'])

# View the model structure
model.summary()
```

Model: "functional_7"

Layer (type)	Output Shape	Param #	Connected to
source_city_input (InputLayer)	(None, 6)	0	-
destination_city_i… (InputLayer)	(None, 6)	0	-
airline_input (InputLayer)	(None, 6)	0	-
concatenate (Concatenate)	(None, 12)	0	source_city_inpu… destination_city…
duration_input (InputLayer)	(None, 1)	0	-
distance_input (InputLayer)	(None, 1)	0	-
class_input (InputLayer)	(None, 2)	0	-
concatenate_2 (Concatenate)	(None, 18)	0	airline_input[0]… concatenate[0][0]
days_left_input (InputLayer)	(None, 1)	0	-
concatenate_1 (Concatenate)	(None, 14)	0	concatenate[0][0… duration_input[0… distance_input[0…

concatenate_3 (Concatenate)	(None, 41)	0	airline_input[0]… class_input[0][0… concatenate_2[0]… days_left_input[… concatenate_1[0]…
dense_4 (Dense)	(None, 128)	5,376	concatenate_3[0]…
dense_5 (Dense)	(None, 64)	8,256	dense_4[0][0]
dense_6 (Dense)	(None, 32)	2,080	dense_5[0][0]
dense_7 (Dense)	(None, 1)	33	dense_6[0][0]

Total params: 15,745 (61.50 KB)

Trainable params: 15,745 (61.50 KB)

Non-trainable params: 0 (0.00 B)

```python
# Train the model
history = model.fit(
    [train_airline, train_source_city, train_destination_city, train_class,
 train_duration, train_days_left, train_distance],
    y_train,
    epochs=50,
    batch_size=32,
    validation_data=([test_airline, test_source_city, test_destination_city,
 test_class, test_duration, test_days_left, test_distance], y_test)
)

# Plot the change in loss during training
plt.plot(history.history['loss'], label='train_loss')
plt.plot(history.history['val_loss'], label='val_loss')
plt.xlabel('Epoch')
plt.ylabel('Loss')
plt.title('Model Loss')
plt.legend()
plt.show()
```

Epoch 1/50

7504/7504   19s 2ms/step -
loss: 192505648.0000 - mean_squared_error: 192505648.0000 - val_loss:

```
42964484.0000 - val_mean_squared_error: 42964484.0000
Epoch 2/50
7504/7504            19s 2ms/step -
loss: 42311652.0000 - mean_squared_error: 42311652.0000 - val_loss:
42399536.0000 - val_mean_squared_error: 42399536.0000
Epoch 3/50
7504/7504            16s 2ms/step -
loss: 39908180.0000 - mean_squared_error: 39908180.0000 - val_loss:
27604640.0000 - val_mean_squared_error: 27604640.0000
Epoch 4/50
7504/7504            17s 2ms/step -
loss: 26737412.0000 - mean_squared_error: 26737412.0000 - val_loss:
25444582.0000 - val_mean_squared_error: 25444582.0000
Epoch 5/50
7504/7504            16s 2ms/step -
loss: 24686468.0000 - mean_squared_error: 24686468.0000 - val_loss:
23614482.0000 - val_mean_squared_error: 23614482.0000
Epoch 6/50
7504/7504            21s 2ms/step -
loss: 22767270.0000 - mean_squared_error: 22767270.0000 - val_loss:
22454296.0000 - val_mean_squared_error: 22454296.0000
Epoch 7/50
7504/7504            22s 2ms/step -
loss: 21673888.0000 - mean_squared_error: 21673888.0000 - val_loss:
21677222.0000 - val_mean_squared_error: 21677222.0000
Epoch 8/50
7504/7504            21s 2ms/step -
loss: 21278714.0000 - mean_squared_error: 21278714.0000 - val_loss:
21391498.0000 - val_mean_squared_error: 21391498.0000
Epoch 9/50
7504/7504            20s 2ms/step -
loss: 20618222.0000 - mean_squared_error: 20618222.0000 - val_loss:
21351416.0000 - val_mean_squared_error: 21351416.0000
Epoch 10/50
7504/7504            22s 3ms/step -
loss: 20701380.0000 - mean_squared_error: 20701380.0000 - val_loss:
21057570.0000 - val_mean_squared_error: 21057570.0000
Epoch 11/50
7504/7504            20s 2ms/step -
loss: 20444308.0000 - mean_squared_error: 20444308.0000 - val_loss:
20998998.0000 - val_mean_squared_error: 20998998.0000
Epoch 12/50
7504/7504            18s 2ms/step -
loss: 20285142.0000 - mean_squared_error: 20285142.0000 - val_loss:
21094054.0000 - val_mean_squared_error: 21094054.0000
Epoch 13/50
7504/7504            20s 3ms/step -
loss: 20287518.0000 - mean_squared_error: 20287518.0000 - val_loss:
```

```
21014250.0000 - val_mean_squared_error: 21014250.0000
Epoch 14/50
7504/7504              17s 2ms/step -
loss: 20113172.0000 - mean_squared_error: 20113172.0000 - val_loss:
21424532.0000 - val_mean_squared_error: 21424532.0000
Epoch 15/50
7504/7504              23s 3ms/step -
loss: 20003584.0000 - mean_squared_error: 20003584.0000 - val_loss:
20667574.0000 - val_mean_squared_error: 20667574.0000
Epoch 16/50
7504/7504              27s 4ms/step -
loss: 20055872.0000 - mean_squared_error: 20055872.0000 - val_loss:
20549198.0000 - val_mean_squared_error: 20549198.0000
Epoch 17/50
7504/7504              31s 4ms/step -
loss: 19805788.0000 - mean_squared_error: 19805788.0000 - val_loss:
20315112.0000 - val_mean_squared_error: 20315112.0000
Epoch 18/50
7504/7504              31s 4ms/step -
loss: 19788478.0000 - mean_squared_error: 19788478.0000 - val_loss:
20132210.0000 - val_mean_squared_error: 20132210.0000
Epoch 19/50
7504/7504              27s 4ms/step -
loss: 19641516.0000 - mean_squared_error: 19641516.0000 - val_loss:
20344578.0000 - val_mean_squared_error: 20344578.0000
Epoch 20/50
7504/7504              39s 3ms/step -
loss: 19568130.0000 - mean_squared_error: 19568130.0000 - val_loss:
20457836.0000 - val_mean_squared_error: 20457836.0000
Epoch 21/50
7504/7504              41s 3ms/step -
loss: 19474474.0000 - mean_squared_error: 19474474.0000 - val_loss:
20265036.0000 - val_mean_squared_error: 20265036.0000
Epoch 22/50
7504/7504              43s 4ms/step -
loss: 19447924.0000 - mean_squared_error: 19447924.0000 - val_loss:
20664588.0000 - val_mean_squared_error: 20664588.0000
Epoch 23/50
7504/7504              39s 3ms/step -
loss: 19450354.0000 - mean_squared_error: 19450354.0000 - val_loss:
20074736.0000 - val_mean_squared_error: 20074736.0000
Epoch 24/50
7504/7504              47s 4ms/step -
loss: 19315552.0000 - mean_squared_error: 19315552.0000 - val_loss:
19923842.0000 - val_mean_squared_error: 19923842.0000
Epoch 25/50
7504/7504              39s 4ms/step -
loss: 19203420.0000 - mean_squared_error: 19203420.0000 - val_loss:
```

```
19986274.0000 - val_mean_squared_error: 19986274.0000
Epoch 26/50
7504/7504              43s 4ms/step -
loss: 19441760.0000 - mean_squared_error: 19441760.0000 - val_loss:
19982298.0000 - val_mean_squared_error: 19982298.0000
Epoch 27/50
7504/7504              27s 4ms/step -
loss: 19137204.0000 - mean_squared_error: 19137204.0000 - val_loss:
19768984.0000 - val_mean_squared_error: 19768984.0000
Epoch 28/50
7504/7504              44s 4ms/step -
loss: 19347832.0000 - mean_squared_error: 19347832.0000 - val_loss:
19732436.0000 - val_mean_squared_error: 19732436.0000
Epoch 29/50
7504/7504              37s 4ms/step -
loss: 19395234.0000 - mean_squared_error: 19395234.0000 - val_loss:
19615552.0000 - val_mean_squared_error: 19615552.0000
Epoch 30/50
7504/7504              26s 3ms/step -
loss: 18995330.0000 - mean_squared_error: 18995330.0000 - val_loss:
19542950.0000 - val_mean_squared_error: 19542950.0000
Epoch 31/50
7504/7504              25s 3ms/step -
loss: 18965998.0000 - mean_squared_error: 18965998.0000 - val_loss:
19657232.0000 - val_mean_squared_error: 19657232.0000
Epoch 32/50
7504/7504              24s 3ms/step -
loss: 19301024.0000 - mean_squared_error: 19301024.0000 - val_loss:
19568566.0000 - val_mean_squared_error: 19568566.0000
Epoch 33/50
7504/7504              44s 4ms/step -
loss: 19141302.0000 - mean_squared_error: 19141302.0000 - val_loss:
19418592.0000 - val_mean_squared_error: 19418592.0000
Epoch 34/50
7504/7504              42s 4ms/step -
loss: 19051838.0000 - mean_squared_error: 19051838.0000 - val_loss:
19732684.0000 - val_mean_squared_error: 19732684.0000
Epoch 35/50
7504/7504              26s 3ms/step -
loss: 18722286.0000 - mean_squared_error: 18722286.0000 - val_loss:
19635448.0000 - val_mean_squared_error: 19635448.0000
Epoch 36/50
7504/7504              25s 3ms/step -
loss: 18782306.0000 - mean_squared_error: 18782306.0000 - val_loss:
19482494.0000 - val_mean_squared_error: 19482494.0000
Epoch 37/50
7504/7504              27s 4ms/step -
loss: 19038224.0000 - mean_squared_error: 19038224.0000 - val_loss:
```
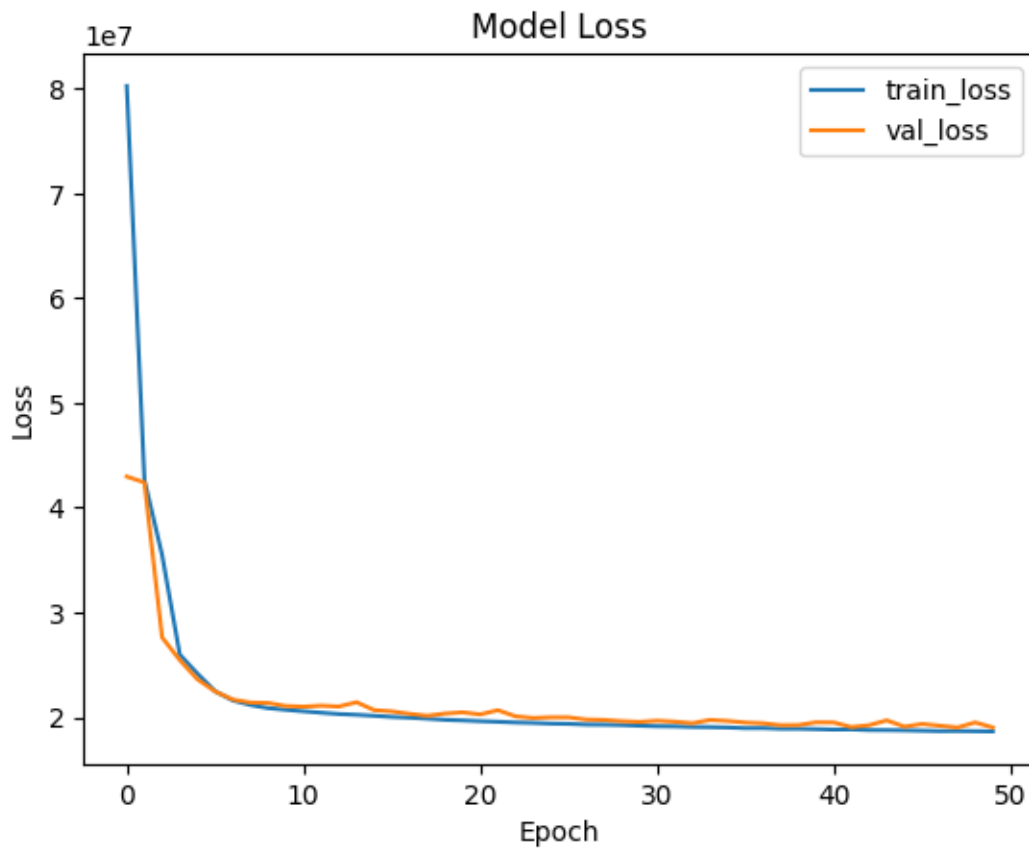
19410890.0000 - val_mean_squared_error: 19410890.0000
Epoch 38/50
7504/7504 **41s** 4ms/step -
loss: 18791342.0000 - mean_squared_error: 18791342.0000 - val_loss:
19228758.0000 - val_mean_squared_error: 19228758.0000
Epoch 39/50
7504/7504 **42s** 4ms/step -
loss: 18813490.0000 - mean_squared_error: 18813490.0000 - val_loss:
19242768.0000 - val_mean_squared_error: 19242768.0000
Epoch 40/50
7504/7504 **31s** 4ms/step -
loss: 18920764.0000 - mean_squared_error: 18920764.0000 - val_loss:
19504446.0000 - val_mean_squared_error: 19504446.0000
Epoch 41/50
7504/7504 **36s** 4ms/step -
loss: 18794576.0000 - mean_squared_error: 18794576.0000 - val_loss:
19490458.0000 - val_mean_squared_error: 19490458.0000
Epoch 42/50
7504/7504 **41s** 4ms/step -
loss: 18858050.0000 - mean_squared_error: 18858050.0000 - val_loss:
19053316.0000 - val_mean_squared_error: 19053316.0000
Epoch 43/50
7504/7504 **23s** 3ms/step -
loss: 18730820.0000 - mean_squared_error: 18730820.0000 - val_loss:
19227026.0000 - val_mean_squared_error: 19227026.0000
Epoch 44/50
7504/7504 **23s** 3ms/step -
loss: 18761082.0000 - mean_squared_error: 18761082.0000 - val_loss:
19695136.0000 - val_mean_squared_error: 19695136.0000
Epoch 45/50
7504/7504 **22s** 3ms/step -
loss: 18819152.0000 - mean_squared_error: 18819152.0000 - val_loss:
19089574.0000 - val_mean_squared_error: 19089574.0000
Epoch 46/50
7504/7504 **25s** 3ms/step -
loss: 18766210.0000 - mean_squared_error: 18766210.0000 - val_loss:
19347996.0000 - val_mean_squared_error: 19347996.0000
Epoch 47/50
7504/7504 **29s** 4ms/step -
loss: 18316112.0000 - mean_squared_error: 18316112.0000 - val_loss:
19181938.0000 - val_mean_squared_error: 19181938.0000
Epoch 48/50
7504/7504 **26s** 3ms/step -
loss: 18712088.0000 - mean_squared_error: 18712088.0000 - val_loss:
19009966.0000 - val_mean_squared_error: 19009966.0000
Epoch 49/50
7504/7504 **40s** 3ms/step -
loss: 18760308.0000 - mean_squared_error: 18760308.0000 - val_loss:

```
19493580.0000 - val_mean_squared_error: 19493580.0000
Epoch 50/50
7504/7504                24s 3ms/step -
loss: 18476988.0000 - mean_squared_error: 18476988.0000 - val_loss:
19014326.0000 - val_mean_squared_error: 19014326.0000
```



```python
# Prediction
y_pred = model.predict([test_airline, test_source_city, test_destination_city,
 ↪test_class, test_duration, test_days_left, test_distance])

# Calculate MSE
mse = mean_squared_error(y_test, y_pred)
print(f"Mean Squared Error: {mse}")

# Calculate RMSE
rmse = np.sqrt(mse)
print(f"Root Mean Squared Error: {rmse}")

# Calculate R-Squared
r2 = r2_score(y_test, y_pred)
```

```python
print(f"R-Squared: {r2}")
```

```
  17/1876                 5s 3ms/step

1876/1876                 3s 2ms/step
Mean Squared Error: 19014324.84346018
Root Mean Squared Error: 4360.541806181908
R-Squared: 0.963113523357812
```

3.6 Bayesian Neural Network for Price Prediction

This section outlines the process of developing a Bayesian Neural Network (BNN) using Pyro and PyTorch for predicting flight prices. The steps include data preprocessing, model construction, training, and evaluation.

3.6.1 Step-by-Step Process

1. **Print Dataset Columns**:
   - Confirm the columns present in the dataset.
2. **Select Features and Target Variable**:
   - Identify the features to be used for the analysis: `airline`, `source_city`, `destination_city`, `class`, `duration`, `days_left`, `distance`, and `stops`.
   - The target variable is `price`.
3. **Preprocess Data**:
   - Standardize numerical features (`duration`, `days_left`, `distance`) and one-hot encode categorical features (`airline`, `source_city`, `destination_city`, `class`, `stops`) using `ColumnTransformer`.
   - Extract features and target from the dataset.
   - Convert preprocessed features to a DataFrame.
4. **Split Data**:
   - Split the preprocessed DataFrame into training and testing sets.
   - Convert the data to torch tensors.
5. **Define Bayesian Neural Network**:
   - Define input layers for each feature set.
   - Create intermediate layers to capture feature interactions.
   - Construct hidden layers and an output layer.
6. **Compile and Train the Model**:
   - Define optimizer and loss function.
   - Train the model using Stochastic Variational Inference (SVI).
7. **Evaluate the Model**:
   - Use the trained model to make predictions on the test set.
   - Calculate and print Mean Squared Error (MSE), Root Mean Squared Error (RMSE), and R-squared (R^2) values.

```python
import pandas as pd
import torch
import torch.nn as nn
import pyro
import pyro.distributions as dist
```

```python
from pyro.nn import PyroModule, PyroSample
from pyro.infer import SVI, Trace_ELBO
from pyro.optim import Adam
from sklearn.preprocessing import StandardScaler, OneHotEncoder
from sklearn.compose import ColumnTransformer
from sklearn.model_selection import train_test_split
from sklearn.metrics import mean_squared_error, r2_score
import numpy as np
```

```python
# clean_dataset_updated = pd.read_csv('../datasets/Clean_Dataset_Updated.csv')
# Assuming clean_dataset_updated has been loaded as a DataFrame
print("Columns in the dataset:", clean_dataset_updated.columns)

# Select the features and target variable for analysis
features = ['airline', 'source_city', 'destination_city', 'class', 'duration',
 'days_left', 'distance', 'stops']
target = 'price'

# One-hot encode categorical variables
categorical_features = ['airline', 'source_city', 'destination_city', 'class',
 'stops']
numerical_features = ['duration', 'days_left', 'distance']

# Create a preprocessor: standardize numerical features and one-hot encode
 categorical features
preprocessor = ColumnTransformer(
    transformers=[
        ('num', StandardScaler(), numerical_features),
        ('cat', OneHotEncoder(sparse_output=False), categorical_features)
    ])

# Extract features and target
X = clean_dataset_updated[features]
y = clean_dataset_updated[target]

# Data preprocessing
X_preprocessed = preprocessor.fit_transform(X)

# Convert preprocessed features to DataFrame
encoded_features = preprocessor.named_transformers_['cat'].
 get_feature_names_out()
all_features = np.concatenate([numerical_features, encoded_features])
X_preprocessed_df = pd.DataFrame(X_preprocessed, columns=all_features)

# Split the data into training and testing sets
X_train, X_test, y_train, y_test = train_test_split(X_preprocessed_df, y,
 test_size=0.2, random_state=42)
```

```python
# Convert the data to torch tensors
X_train = torch.tensor(X_train.values, dtype=torch.float32)
X_test = torch.tensor(X_test.values, dtype=torch.float32)
y_train = torch.tensor(y_train.values, dtype=torch.float32)
y_test = torch.tensor(y_test.values, dtype=torch.float32)

print(f"X_train shape: {X_train.shape}")
print(f"X_test shape: {X_test.shape}")
print(f"Columns after preprocessing: {all_features}")
print(f"Number of features after preprocessing: {len(all_features)}")
```

```
Columns in the dataset: Index(['Unnamed: 0', 'airline', 'flight', 'source_city',
'departure_time',
       'stops', 'arrival_time', 'destination_city', 'class', 'duration',
       'days_left', 'price', 'combined_date', 'distance', 'day_of_week',
       'week_of_year', 'month', 'is_holiday', 'route_class', 'price_bin',
       'days_left_bin'],
      dtype='object')
X_train shape: torch.Size([240122, 26])
X_test shape: torch.Size([60031, 26])
Columns after preprocessing: ['duration' 'days_left' 'distance'
'airline_AirAsia' 'airline_Air_India'
 'airline_GO_FIRST' 'airline_Indigo' 'airline_SpiceJet' 'airline_Vistara'
 'source_city_Bangalore' 'source_city_Chennai' 'source_city_Delhi'
 'source_city_Hyderabad' 'source_city_Kolkata' 'source_city_Mumbai'
 'destination_city_Bangalore' 'destination_city_Chennai'
 'destination_city_Delhi' 'destination_city_Hyderabad'
 'destination_city_Kolkata' 'destination_city_Mumbai' 'class_Business'
 'class_Economy' 'stops_one' 'stops_two_or_more' 'stops_zero']
Number of features after preprocessing: 26
```

```python
import torch
import torch.nn as nn
import pyro
import pyro.distributions as dist
from pyro.nn import PyroModule, PyroSample
from pyro.infer import SVI, Trace_ELBO
from pyro.optim import Adam
from sklearn.metrics import mean_squared_error, r2_score

# Define feature dimensions
input_dim_airline = X_train[:, :6].shape[1]  # One-hot encoded airline feature
  dimension
input_dim_city = X_train[:, 6:18].shape[1]  # One-hot encoded city feature
  dimension
input_dim_numerical = X_train[:, 18:].shape[1]  # Numerical feature dimension
```

```python
class BayesianNN(PyroModule):
    def __init__(self, input_dim_airline, input_dim_city, input_dim_numerical):
        super().__init__()

        self.fc_airline = PyroModule[nn.Linear](input_dim_airline, 10)
        self.fc_airline.weight = PyroSample(dist.Normal(0., 1.).expand([10,␣
↪input_dim_airline]).to_event(2))
        self.fc_airline.bias = PyroSample(dist.Normal(0., 1.).expand([10]).
↪to_event(1))

        self.fc_city = PyroModule[nn.Linear](input_dim_city, 12)
        self.fc_city.weight = PyroSample(dist.Normal(0., 1.).expand([12,␣
↪input_dim_city]).to_event(2))
        self.fc_city.bias = PyroSample(dist.Normal(0., 1.).expand([12]).
↪to_event(1))

        combined_input_dim = 10 + 12 + input_dim_numerical
        self.fc_combined = PyroModule[nn.Linear](combined_input_dim, 30)
        self.fc_combined.weight = PyroSample(dist.Normal(0., 1.).expand([30,␣
↪combined_input_dim]).to_event(2))
        self.fc_combined.bias = PyroSample(dist.Normal(0., 1.).expand([30]).
↪to_event(1))

        self.fc_out = PyroModule[nn.Linear](30, 1)
        self.fc_out.weight = PyroSample(dist.Normal(0., 1.).expand([1, 30]).
↪to_event(2))
        self.fc_out.bias = PyroSample(dist.Normal(0., 1.).expand([1]).
↪to_event(1))

        self.relu = nn.ReLU()

    def forward(self, x_airline, x_city, x_numerical, y=None):
        x_airline = self.relu(self.fc_airline(x_airline))
        x_city = self.relu(self.fc_city(x_city))
        x_combined = torch.cat((x_airline, x_city, x_numerical), dim=1)
        x_combined = self.relu(self.fc_combined(x_combined))
        mean = self.fc_out(x_combined).squeeze(-1)
        sigma = pyro.sample("sigma", dist.Uniform(0., 10.))

        with pyro.plate("data", x_airline.shape[0]):
            obs = pyro.sample("obs", dist.Normal(mean, sigma), obs=y)

        return mean

# Instantiate model and guide
```

```python
bnn = BayesianNN(input_dim_airline, input_dim_city, input_dim_numerical)
guide = pyro.infer.autoguide.AutoDiagonalNormal(bnn)

# Define optimizer and loss function
optimizer = Adam({"lr": 0.01})
svi = SVI(bnn, guide, optimizer, loss=Trace_ELBO())

# Train the model (example code, specific training loop may need adjustment
 ↪based on actual case)
#num_iterations = 1000
num_iterations = 4500
for j in range(num_iterations):
    loss = svi.step(X_train[:, :input_dim_airline], X_train[:,
 ↪input_dim_airline:input_dim_airline + input_dim_city], X_train[:,
 ↪input_dim_airline + input_dim_city:], y_train)
    if j % 100 == 0:
        print(f"Step {j} : loss = {loss}")

# Evaluate the model
bnn.eval()
predictive = pyro.infer.Predictive(bnn, guide=guide, num_samples=1000)
samples = predictive(
    X_test[:, :input_dim_airline],
    X_test[:, input_dim_airline:input_dim_airline + input_dim_city],
    X_test[:, input_dim_airline + input_dim_city:]
)

# Get the mean of the predicted values
predictions = samples["obs"].mean(0).detach().numpy()

# Calculate MSE, RMSE, and R^2
mse = mean_squared_error(y_test, predictions)
rmse = np.sqrt(mse)
r2 = r2_score(y_test, predictions)

print(f"Mean Squared Error (MSE): {mse}")
print(f"Root Mean Squared Error (RMSE): {rmse}")
print(f"R^2 Score: {r2}")
```

```
Step 0 : loss = 2222693812396.671
Step 100 : loss = 1302426684299.5872
Step 200 : loss = 685733384797.0276
Step 300 : loss = 615829476180.835
Step 400 : loss = 566101021905.154
Step 500 : loss = 534166968318.87006
Step 600 : loss = 488293866420.3417
Step 700 : loss = 486128328460.40717
```

```
Step 800 : loss = 467087860390.3056
Step 900 : loss = 454955640427.21454
Step 1000 : loss = 439983581823.83075
Step 1100 : loss = 430337896151.9171
Step 1200 : loss = 419360256896.29926
Step 1300 : loss = 409382926425.0242
Step 1400 : loss = 391748894075.89056
Step 1500 : loss = 377884230616.1282
Step 1600 : loss = 360814824061.7006
Step 1700 : loss = 343856206277.7754
Step 1800 : loss = 324533246185.7589
Step 1900 : loss = 301976150172.6165
Step 2000 : loss = 281477671037.46277
Step 2100 : loss = 260345130929.2907
Step 2200 : loss = 238112929576.12643
Step 2300 : loss = 216904924664.19608
Step 2400 : loss = 196362601639.5636
Step 2500 : loss = 176463186756.64307
Step 2600 : loss = 158094659899.28873
Step 2700 : loss = 140689053689.24045
Step 2800 : loss = 123530944084.31726
Step 2900 : loss = 109996778682.18759
Step 3000 : loss = 97129294878.08228
Step 3100 : loss = 86496506500.29697
Step 3200 : loss = 76145474051.34634
Step 3300 : loss = 67033850168.089355
Step 3400 : loss = 60661254241.06781
Step 3500 : loss = 54518792032.825676
Step 3600 : loss = 50033775952.16765
Step 3700 : loss = 46269446950.91878
Step 3800 : loss = 43556434069.94115
Step 3900 : loss = 41470490340.50438
Step 4000 : loss = 39637535992.626945
Step 4100 : loss = 38124700314.70492
Step 4200 : loss = 36788406510.15152
Step 4300 : loss = 35717078437.57699
Step 4400 : loss = 34837742224.513626
Mean Squared Error (MSE): 28540378.0
Root Mean Squared Error (RMSE): 5342.3193359375
R^2 Score: 0.944633638293368
```

```python
mae = mean_absolute_error(y_test, predictions)
print(f"Mean Absolute Error (MAE): {mae}")

# make a prediction
X_new = X_test[:1]
y_new = y_test[:1]
```

```
prediction = predictive(X_new[:, :input_dim_airline], X_new[:,␣
  ↪input_dim_airline:input_dim_airline + input_dim_city], X_new[:,␣
  ↪input_dim_airline + input_dim_city:])
print("Predicted price:", prediction["obs"].mean().item())
print("Actual price:", y_new.item())


# Plot the actual vs predicted prices
plt.figure(figsize=(10, 6))
plt.scatter(y_test, predictions, alpha=0.3)
plt.plot([y_test.min(), y_test.max()], [y_test.min(), y_test.max()], '--r',␣
  ↪linewidth=2)
plt.xlabel('Actual Price')
plt.ylabel('Predicted Price')
plt.title('Actual vs Predicted Prices')
plt.show()
```

Mean Absolute Error (MAE): 3337.95947265625

Predicted price: 7230.78369140625
Actual price: 7366.0