

# 5G\_NN\_3\_0\_Dec11

December 20, 2024

## 1 Inport Data and libraries

```
[ ]: #!/rm -rf /content/Data
```

```
[3]: !cp "/content/Data/s66_TBS_SegmentsNum_SegmentDelay(noSched).csv" "/content/  
↪s66_TBS_SegmentsNum_SegmentDelay(noSched).csv"
```

```
[4]: # Import libraries  
import pandas as pd  
import numpy as np  
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 tensorflow.keras.callbacks import LearningRateScheduler, Callback  
from tensorflow.keras.optimizers.schedules import ExponentialDecay  
from tensorflow.keras.models import Sequential  
from tensorflow.keras.layers import Dense  
from tensorflow.keras.optimizers import Adam  
from google.colab import files  
from google.colab import drive  
import os  
import glob  
  
!pip install pandas numpy scikit-learn tensorflow matplotlib 0> /dev/null 1> /  
↪dev/null 2> /dev/null  
drive.mount('/content/drive',force_remount=True)  
if not os.path.exists("/content/Data/"):   
    print("Copying the CSV files from google drive")  
    os.makedirs("/content/Data/")  
    !ls "/content/drive/MyDrive/Visualization/data/csv" | xargs -I {} cp "/  
↪content/drive/MyDrive/Visualization/data/csv/{}" /content/Data/  
    print("Files uploaded:")  
    !ls /content/Data/  
print("Reading the CSV files")  
csv_files = glob.glob(f"/content/Data/*.csv")  
print("\nCombining all uploaded files into a single DataFrame...")
```

```

combined_df = pd.concat([pd.read_csv(file, index_col=0) for file in csv_files],
    ignore_index=True)
combined_df.dropna(how='any', inplace=True)

print("\nCombined DataFrame:")
print(combined_df.head())

test_df = pd.read_csv("/content/s66_TBS_SegmentsNum_SegmentDelay(noSched).csv",
    index_col=0)
test_df.dropna(how='any', inplace=True)
print("\nTest DataFrame:")
print(test_df.head())
#combined_df = combined_df.drop(columns=['Unnamed: 0', 'PacketSize',
    'QueueingDelay(noSched)'], axis=1)
#combined_df = combined_df.drop(columns=['PacketSize'], axis=1)

```

Mounted at /content/drive

Reading the CSV files

Combining all uploaded files into a single DataFrame...

Combined DataFrame:

	TBS	SegmentsNum	SegmentDelay(noSched)
0	24	1	9.505987
1	24	3	9.545088
2	24	2	11.962891
3	24	3	9.494781
4	24	1	9.520769

Test DataFrame:

	TBS	SegmentsNum	SegmentDelay(noSched)
0	24	1	9.522915
1	24	3	9.600878
2	24	2	12.004852
3	24	3	9.702682
4	24	1	9.557724

```

[2]: !pip install dowhy 0>/dev/null 1>/dev/null
    !pip install econml 0>/dev/null 1>/dev/null

```

### 1.0.1 Data Augmentation

```

[ ]: # from tqdm import tqdm

    # df = combined_df

    # # Example: df is your original dataframe

```

```

# # df must contain columns: "SegmentsNum", "TBS", "SegmentDelay(noSched)"
# # Ensure df has no missing values or handle them as needed

# # Filter rows where SegmentsNum >= 3
# high_delay_rows = df[df["SegmentsNum"] != 3]

# # List to hold augmented data
# augmented_data = []

# # Number of duplicates per row

# for idx, row in tqdm(
#     high_delay_rows.iterrows(),
#     total=high_delay_rows.shape[0],
#     desc="Augmenting Data",
#     unit="row",
# ):
#     original_delay = row["SegmentDelay(noSched)"]

#     if row["SegmentsNum"] == 1 or row["SegmentsNum"] == 2 or
#         row["SegmentsNum"] == 4:
#         N_DUPLICATES = 1000
#     elif row["SegmentsNum"] == 5:
#         N_DUPLICATES = 1000
#     elif row["SegmentsNum"] == 6:
#         N_DUPLICATES = 1000
#     # Calculate standard deviation for the Gaussian noise
#     # If original_delay can be zero or negative, handle that case
#     appropriately
#     # For now, we assume it's positive
#     sigma = max(0.0001 * original_delay, 0.001)
#     sigma=0
#     # Generate noise and add to the original SegmentDelay(noSched)
#     noise = np.random.randn(N_DUPLICATES) * sigma
#     new_delays = original_delay + noise

#     # Create a DataFrame of duplicated rows
#     # Keep all columns the same except SegmentDelay(noSched), which will be
#     varied
#     replicated_rows = pd.DataFrame(
#         {
#             "SegmentsNum": np.repeat(row["SegmentsNum"], N_DUPLICATES),
#             "TBS": np.repeat(row["TBS"], N_DUPLICATES),
#             "SegmentDelay(noSched)": new_delays,
#         }
#     )

```

```

# # If there are other columns in df that you want to keep as is:
# # For example, if df has columns ["SegmentsNum", "TBS",
↳ "SegmentDelay(noSched)", "SomeOtherFeat"]
# # replicated_rows = pd.concat([
# #     pd.DataFrame(np.repeat([row.drop("SegmentDelay(noSched)").values],
↳ N_DUPLICATES, axis=0),
# #     columns=row.drop("SegmentDelay(noSched)").index),
# #     pd.DataFrame({"SegmentDelay(noSched)": new_delays})
# # ], axis=1)

# augmented_data.append(replicated_rows)

# # Combine all augmented rows
# augmented_df = pd.concat(augmented_data, ignore_index=True)

# # Append to original dataframe (optional)
# df_augmented = pd.concat([df, augmented_df], ignore_index=True)

# # Now df_augmented contains your original data plus the augmented samples
# print(
#     "Augmentation complete. Original size:",
#     len(df),
#     "Augmented size:",
#     len(df_augmented),
# )

# combined_df = df_augmented

```

```

[ ]: # Step 3: Randomly split the combined DataFrame into two (50/50 split)
data1, data2 = train_test_split(combined_df, test_size=0.3, random_state=42)

print("\nDataFrame 1 (50% of data):")
print(data1.head())

print("\nDataFrame 2 (50% of data):")
print(data2.head())

#train_file = input(f"Which file do you want to use for training?: ")
train_file = 0
# Assign training and test datasets based on user input
if train_file == '0':
    train_data, test_data = data1, data2
else:
    train_data, test_data = data2, data1

```

DataFrame 1 (50% of data):

	TBS	SegmentsNum	SegmentDelay(noSched)
177745	24	3	8.946180
211173	24	3	9.525061
214653	24	3	9.453058
210259	24	3	9.531736
205448	24	3	9.579659

DataFrame 2 (50% of data):

	TBS	SegmentsNum	SegmentDelay(noSched)
214378	24	3	9.353876
150762	24	3	9.432793
189530	24	3	9.735107
82258	24	3	9.473324
197915	24	3	9.612799

## 2 2 Classic ML

```
[20]: import tensorflow as tf
from tensorflow.keras.models import Model
from tensorflow.keras.layers import Input, Dense, BatchNormalization, \
    Activation, Dropout

import os
import re

# Directory where the images are saved
save_dir = '/content/ClassicML/' # or some other directory path

# Pattern to match files of the form picture_<number>.png
pattern = re.compile(r'^loss_(\d+)\.png$')
```

```
[8]: ## Start from the most simple model
## use TBS & SegmentsNum to predict SegmentDelay
## SegmentsNum treatment, TBS cofunder

# def causal_and_value_loss(y_true, y_pred, x_train):

#     return total_loss

class DelayPredictionModel:
    def __init__(self, input_shape):
        self.input_shape = input_shape

        initial_learning_rate = 0.1
        self.lr_schedule = ExponentialDecay(
            initial_learning_rate=initial_learning_rate,
```

```

        decay_steps=100,
        decay_rate=0.85,
        staircase=True
    )
    optimizer=Adam(learning_rate=self.lr_schedule)
    self.model = self.build_model()
    # Compile the model with an adaptive learning rate schedule

    # Instantiate custom loss
    # self.model.compile(
    #     loss=lambda y_val, y_pred: custom_loss(y_val, y_pred, self.
↪dissimilarity_margin),
    #     optimizer=optimizer
    # )
    self.model.compile(optimizer=optimizer, loss='mse', metrics=['mse'])

def build_model(self):
    # Define the deeper neural network model
    input_layer = Input(shape=self.input_shape, dtype='float32')

    #Third layer
    x = Dense(1024, activation="linear", kernel_initializer='he_normal',
               kernel_regularizer=tf.keras.regularizers.
↪l2(1e-5))(input_layer)
    x = BatchNormalization()(x)
    x = Activation("relu")(x)
    x = Dropout(0.3)(x)

    # # Third layer
    # x = Dense(16, activation="linear", kernel_initializer='he_normal',
    #          kernel_regularizer=tf.keras.regularizers.
↪l2(1e-5))(input_layer)
    # x = BatchNormalization()(x)
    # x = Activation("relu")(x)

    # # Third layer
    # x = Dense(32, activation="linear", kernel_initializer='he_normal',
    #          kernel_regularizer=tf.keras.regularizers.
↪l2(1e-5))(input_layer)
    # x = BatchNormalization()(x)
    # x = Activation("relu")(x)
    # x = Dropout(0.3)(x)

    # # Third layer
    # x = Dense(64, activation="linear", kernel_initializer='he_normal',

```

```

        # kernel_regularizer=tf.keras.regularizers.
        ↪l2(1e-5))(input_layer)
        # x = BatchNormalization()(x)
        # x = Activation("relu")(x)
        # x = Dropout(0.3)(x)

        # Fifth layer
        x = Dense(256, activation="linear", kernel_initializer='he_normal',
                  kernel_regularizer=tf.keras.regularizers.l2(1e-5))(x)
        x = BatchNormalization()(x)
        x = Activation("relu")(x)
        x = Dropout(0.3)(x)

        # Fifth layer
        x = Dense(128, activation="linear", kernel_initializer='he_normal',
                  kernel_regularizer=tf.keras.regularizers.l2(1e-5))(x)
        x = BatchNormalization()(x)
        x = Activation("relu")(x)
        x = Dropout(0.3)(x)

        # Fifth layer
        x = Dense(64, activation="linear", kernel_initializer='he_normal',
                  kernel_regularizer=tf.keras.regularizers.l2(1e-5))(x)
        x = BatchNormalization()(x)
        x = Activation("relu")(x)
        x = Dropout(0.3)(x)

        # Output layer
        output = Dense(1, activation="linear", dtype='float32')(x)

        return tf.keras.Model(inputs=input_layer, outputs=output,
        ↪name="DelayPredictionModel")

    def train(self, train_data):
        # Separate features and target for training data
        X_train = train_data.iloc[:, :-1]
        y_train = train_data.iloc[:, -1]

        # Split the training data into training and validation sets
        X_train, X_val, y_train, y_val = train_test_split(X_train, y_train,
        ↪test_size=0.2, random_state=42)

        #Initialize training parameters
        batch_size = 128
        growth_factor = 1.189207

```

```

growth_interval = 1
epochs = 12

# batch_size = 512
# growth_factor = 1.414
# growth_interval = 5
# epochs = 20

train_loss = []
val_loss = []
train_mse = []
val_mse = []

# Custom training loop to handle adaptive batch size
for epoch in range(epochs):
    print(f"\nEpoch {epoch + 1}/{epochs}")
    # Get the current step (integer)
    current_step = self.model.optimizer.iterations.numpy()

    # Call the stored lr_schedule directly
    current_lr = self.lr_schedule(current_step).numpy()
    print("Current Learning Rate:", current_lr)

    # Train the model for the current epoch
    history = self.model.fit(
        X_train, y_train,
        epochs=1,
        batch_size=batch_size,
        validation_data=(X_val, y_val),
        verbose=1
    )

    # Record metrics
    train_loss.extend(history.history['loss'])
    val_loss.extend(history.history['val_loss'])
    # Record metrics
    train_mse.extend(history.history['mse'])
    val_mse.extend(history.history['val_mse'])

    # Increase batch size at growth intervals
    if (epoch + 1) % growth_interval == 0:
        batch_size = int(batch_size * growth_factor)
        print(f"Batch size increased to {batch_size}")

#Plot Loss over epochs
# plt.figure(figsize=(10, 6))

```



```

# plt.plot(train_loss, label='Training Loss')
# plt.plot(val_loss, label='Validation Loss')
# plt.title('Model Loss over Epochs')
# plt.xlabel('Epochs')
# plt.ylabel('Loss')
# plt.legend()
# plt.grid()
# # Save the figure to a file
# plt.savefig('my_plot.png', dpi=300, bbox_inches='tight')

# Plot MSE over epochs
plt.figure(figsize=(10, 6))
plt.plot(train_mse, label='Training MSE')
plt.plot(val_mse, label='Validation MSE')
plt.title('Model MSE over Epochs')
plt.xlabel('Epochs')
plt.ylabel('Mean Absolute Error (MSE)')
plt.legend()
plt.grid()
# Get all files in the directory
files = os.listdir(save_dir)

max_num = 0
for f in files:
    match = pattern.match(f)
    if match:
        num = int(match.group(1))
        if num > max_num:
            max_num = num

# The new file will have the next number
new_number = max_num + 1
filename = f"loss_{new_number}.png"

# Save the figure with the new filename
plt.savefig(os.path.join(save_dir, filename), dpi=300,
↪bbox_inches='tight')

def predict(self, test_data):
    # Separate features and target for test data
    X_test = test_data.iloc[:, :-1]
    y_test = test_data.iloc[:, -1]

    # Evaluate on test data
    y_test_pred = self.model.predict(X_test)
    test_mse = mean_squared_error(y_test, y_test_pred)
    test_mae = mean_absolute_error(y_test, y_test_pred)

```

```

test_r2 = r2_score(y_test, y_test_pred)

print("\nFinal Test Metrics:")
print(f"MSE: {test_mse:.4f}")
print(f"MAE: {test_mae:.4f}")
print(f"R^2 Score: {test_r2:.4f}")
print("-----")

return test_mse, test_mae, test_r2

```

```

[12]: MSEs=[]
      MAEs=[]
      R2s=[]
      for i in range(0,10):
          data1, data2 = train_test_split(combined_df, test_size=0.3)
          train_data, test_data = data1, data2
          DelayPredictor = DelayPredictionModel(input_shape=(train_data.shape[1]-1,))
          print("Model Initialized")
          print("Training...")
          DelayPredictor.train(train_data)
          print("Predicting...")
          #test_mse, test_mae, test_r2 = DelayPredictor.predict(test_data)
          test_mse, test_mae, test_r2 = DelayPredictor.predict(test_df)
          MSEs.append(test_mse)
          MAEs.append(test_mae)
          R2s.append(test_r2)

      MSEs=np.array(MSEs)
      MAEs=np.array(MAEs)
      R2s=np.array(R2s)

      print(f"MSE={np.mean(MSEs)}, var [MSE]={np.var(MSEs)}")
      print(f"MAE={np.mean(MAEs)}, var [MAE]={np.var(MAEs)}")
      print(f"R2s={np.mean(R2s)}, var [R2s]={np.var(R2s)}")

```

Model Initialized

Training..

Epoch 1/12

Current Learning Rate: 0.1

805/805 13s 8ms/step -

loss: 5.9248 - mse: 5.1334 - val\_loss: 1.5730 - val\_mse: 1.0421

Batch size increased to 152

Epoch 2/12

Current Learning Rate: 0.027249059

678/678 9s 9ms/step -

loss: 2.0361 - mse: 1.5294 - val\_loss: 1.4226 - val\_mse: 0.9832

Batch size increased to 180

Epoch 3/12

Current Learning Rate: 0.010276972

573/573 9s 10ms/step -

loss: 1.4074 - mse: 0.9812 - val\_loss: 0.8865 - val\_mse: 0.4879

Batch size increased to 214

Epoch 4/12

Current Learning Rate: 0.0038759557

482/482 9s 12ms/step -

loss: 1.2805 - mse: 0.8868 - val\_loss: 0.8793 - val\_mse: 0.4978

Batch size increased to 254

Epoch 5/12

Current Learning Rate: 0.0017197824

406/406 9s 13ms/step -

loss: 1.4163 - mse: 1.0374 - val\_loss: 0.8713 - val\_mse: 0.4983

Batch size increased to 302

Epoch 6/12

Current Learning Rate: 0.0008977372

342/342 9s 15ms/step -

loss: 1.3292 - mse: 0.9574 - val\_loss: 0.8571 - val\_mse: 0.4885

Batch size increased to 359

Epoch 7/12

Current Learning Rate: 0.00055132294

287/287 9s 19ms/step -

loss: 1.1600 - mse: 0.7921 - val\_loss: 0.8661 - val\_mse: 0.5000

Batch size increased to 426

Epoch 8/12

Current Learning Rate: 0.00033858125

242/242 9s 23ms/step -

loss: 1.1565 - mse: 0.7909 - val\_loss: 0.8614 - val\_mse: 0.4970

Batch size increased to 506

Epoch 9/12

Current Learning Rate: 0.00020793123

204/204 9s 28ms/step -

loss: 1.1966 - mse: 0.8324 - val\_loss: 0.8580 - val\_mse: 0.4946

Batch size increased to 601

Epoch 10/12

Current Learning Rate: 0.00015023032

172/172 9s 30ms/step -

loss: 0.9618 - mse: 0.5986 - val\_loss: 0.8734 - val\_mse: 0.5107

Batch size increased to 714

Epoch 11/12

Current Learning Rate: 0.00012769578

145/145 9s 34ms/step -

loss: 1.5425 - mse: 1.1799 - val\_loss: 0.8574 - val\_mse: 0.4951

Batch size increased to 849

Epoch 12/12

Current Learning Rate: 9.2260205e-05

122/122 9s 43ms/step -

loss: 1.0036 - mse: 0.6414 - val\_loss: 0.8577 - val\_mse: 0.4957

Batch size increased to 1009

Predicting...

1248/1248 2s 1ms/step

Final Test Metrics:

MSE: 0.2464

MAE: 0.2115

R<sup>2</sup> Score: 0.6741

-----  
Model Initializedd

Training...

Epoch 1/12

Current Learning Rate: 0.1

805/805 11s 7ms/step -

loss: 8.0619 - mse: 7.4281 - val\_loss: 1.5031 - val\_mse: 0.9721

Batch size increased to 152

Epoch 2/12

Current Learning Rate: 0.027249059

678/678 8s 8ms/step -

loss: 2.1792 - mse: 1.6749 - val\_loss: 1.2029 - val\_mse: 0.7546

Batch size increased to 180

Epoch 3/12

Current Learning Rate: 0.010276972

573/573 8s 9ms/step -

loss: 1.6084 - mse: 1.1699 - val\_loss: 0.9963 - val\_mse: 0.5794

Batch size increased to 214

Epoch 4/12

Current Learning Rate: 0.0038759557

482/482 8s 10ms/step -

loss: 1.4843 - mse: 1.0717 - val\_loss: 1.0197 - val\_mse: 0.6173

Batch size increased to 254

Epoch 5/12  
Current Learning Rate: 0.0017197824  
406/406                8s 12ms/step -  
loss: 1.4511 - mse: 1.0508 - val\_loss: 1.0066 - val\_mse: 0.6115  
Batch size increased to 302

Epoch 6/12  
Current Learning Rate: 0.0008977372  
342/342                7s 12ms/step -  
loss: 1.6200 - mse: 1.2259 - val\_loss: 0.9412 - val\_mse: 0.5499  
Batch size increased to 359

Epoch 7/12  
Current Learning Rate: 0.00055132294  
287/287                8s 17ms/step -  
loss: 1.2263 - mse: 0.8356 - val\_loss: 0.9452 - val\_mse: 0.5561  
Batch size increased to 426

Epoch 8/12  
Current Learning Rate: 0.00033858125  
242/242                8s 19ms/step -  
loss: 1.2315 - mse: 0.8427 - val\_loss: 0.9371 - val\_mse: 0.5493  
Batch size increased to 506

Epoch 9/12  
Current Learning Rate: 0.00020793123  
204/204                8s 23ms/step -  
loss: 1.1906 - mse: 0.8030 - val\_loss: 0.9465 - val\_mse: 0.5595  
Batch size increased to 601

Epoch 10/12  
Current Learning Rate: 0.00015023032  
172/172                7s 25ms/step -  
loss: 1.2860 - mse: 0.8992 - val\_loss: 0.9397 - val\_mse: 0.5533  
Batch size increased to 714

Epoch 11/12  
Current Learning Rate: 0.00012769578  
145/145                7s 30ms/step -  
loss: 1.4663 - mse: 1.0800 - val\_loss: 0.9364 - val\_mse: 0.5504  
Batch size increased to 849

Epoch 12/12  
Current Learning Rate: 9.2260205e-05  
122/122                7s 37ms/step -  
loss: 1.1202 - mse: 0.7343 - val\_loss: 0.9343 - val\_mse: 0.5486  
Batch size increased to 1009  
Predicting...

1248/1248                      2s 1ms/step

Final Test Metrics:

MSE: 0.2439

MAE: 0.2180

R<sup>2</sup> Score: 0.6774

-----  
Model Initialized

Training...

Epoch 1/12

Current Learning Rate: 0.1

805/805                      11s 7ms/step -

loss: 6.3215 - mse: 5.5590 - val\_loss: 1.8204 - val\_mse: 1.3133

Batch size increased to 152

Epoch 2/12

Current Learning Rate: 0.027249059

678/678                      8s 8ms/step -

loss: 2.1969 - mse: 1.7260 - val\_loss: 19.8889 - val\_mse: 19.4831

Batch size increased to 180

Epoch 3/12

Current Learning Rate: 0.010276972

573/573                      7s 8ms/step -

loss: 1.8744 - mse: 1.4663 - val\_loss: 1.3488 - val\_mse: 0.9632

Batch size increased to 214

Epoch 4/12

Current Learning Rate: 0.0038759557

482/482                      7s 10ms/step -

loss: 1.1442 - mse: 0.7632 - val\_loss: 1.0209 - val\_mse: 0.6511

Batch size increased to 254

Epoch 5/12

Current Learning Rate: 0.0017197824

406/406                      7s 11ms/step -

loss: 1.5169 - mse: 1.1494 - val\_loss: 1.0068 - val\_mse: 0.6449

Batch size increased to 302

Epoch 6/12

Current Learning Rate: 0.0008977372

342/342                      7s 12ms/step -

loss: 1.1398 - mse: 0.7791 - val\_loss: 0.9343 - val\_mse: 0.5768

Batch size increased to 359

Epoch 7/12

Current Learning Rate: 0.00055132294

287/287                    7s 15ms/step -  
loss: 1.1523 - mse: 0.7955 - val\_loss: 0.9719 - val\_mse: 0.6168  
Batch size increased to 426

Epoch 8/12  
Current Learning Rate: 0.00033858125  
242/242                    7s 18ms/step -  
loss: 1.2580 - mse: 0.9034 - val\_loss: 0.9345 - val\_mse: 0.5810  
Batch size increased to 506

Epoch 9/12  
Current Learning Rate: 0.00020793123  
204/204                    7s 21ms/step -  
loss: 1.1052 - mse: 0.7519 - val\_loss: 0.9257 - val\_mse: 0.5732  
Batch size increased to 601

Epoch 10/12  
Current Learning Rate: 0.00015023032  
172/172                    7s 23ms/step -  
loss: 1.2699 - mse: 0.9175 - val\_loss: 0.9321 - val\_mse: 0.5802  
Batch size increased to 714

Epoch 11/12  
Current Learning Rate: 0.00012769578  
145/145                    7s 27ms/step -  
loss: 1.0159 - mse: 0.6641 - val\_loss: 0.9380 - val\_mse: 0.5865  
Batch size increased to 849

Epoch 12/12  
Current Learning Rate: 9.2260205e-05  
122/122                    7s 33ms/step -  
loss: 1.1196 - mse: 0.7682 - val\_loss: 0.9513 - val\_mse: 0.6002  
Batch size increased to 1009  
Predicting...  
1248/1248                    2s 1ms/step

Final Test Metrics:  
MSE: 0.2765  
MAE: 0.2426  
R<sup>2</sup> Score: 0.6343

-----  
Model Initialized  
Training..

Epoch 1/12  
Current Learning Rate: 0.1  
805/805                    11s 7ms/step -  
loss: 6.9210 - mse: 6.1647 - val\_loss: 1.8744 - val\_mse: 1.3933

Batch size increased to 152

Epoch 2/12

Current Learning Rate: 0.027249059

678/678 8s 7ms/step -

loss: 1.8571 - mse: 1.4036 - val\_loss: 1.4613 - val\_mse: 1.0580

Batch size increased to 180

Epoch 3/12

Current Learning Rate: 0.010276972

573/573 7s 8ms/step -

loss: 1.4878 - mse: 1.0952 - val\_loss: 1.2021 - val\_mse: 0.8341

Batch size increased to 214

Epoch 4/12

Current Learning Rate: 0.0038759557

482/482 7s 9ms/step -

loss: 1.2064 - mse: 0.8433 - val\_loss: 1.1765 - val\_mse: 0.8251

Batch size increased to 254

Epoch 5/12

Current Learning Rate: 0.0017197824

406/406 8s 12ms/step -

loss: 1.2086 - mse: 0.8595 - val\_loss: 1.0041 - val\_mse: 0.6607

Batch size increased to 302

Epoch 6/12

Current Learning Rate: 0.0008977372

342/342 7s 13ms/step -

loss: 1.1515 - mse: 0.8093 - val\_loss: 0.9984 - val\_mse: 0.6593

Batch size increased to 359

Epoch 7/12

Current Learning Rate: 0.00055132294

287/287 8s 15ms/step -

loss: 1.1979 - mse: 0.8595 - val\_loss: 1.0005 - val\_mse: 0.6639

Batch size increased to 426

Epoch 8/12

Current Learning Rate: 0.00033858125

242/242 7s 18ms/step -

loss: 1.2082 - mse: 0.8720 - val\_loss: 0.9992 - val\_mse: 0.6641

Batch size increased to 506

Epoch 9/12

Current Learning Rate: 0.00020793123

204/204 7s 20ms/step -

loss: 1.1568 - mse: 0.8220 - val\_loss: 1.0118 - val\_mse: 0.6777



Batch size increased to 601

Epoch 10/12

Current Learning Rate: 0.00015023032

172/172                    7s 23ms/step -

loss: 1.1413 - mse: 0.8073 - val\_loss: 1.0371 - val\_mse: 0.7036

Batch size increased to 714

Epoch 11/12

Current Learning Rate: 0.00012769578

145/145                    7s 27ms/step -

loss: 1.1456 - mse: 0.8122 - val\_loss: 1.0222 - val\_mse: 0.6891

Batch size increased to 849

Epoch 12/12

Current Learning Rate: 9.2260205e-05

122/122                    7s 32ms/step -

loss: 1.1022 - mse: 0.7692 - val\_loss: 1.0149 - val\_mse: 0.6822

Batch size increased to 1009

Predicting...

1248/1248                    2s 1ms/step

Final Test Metrics:

MSE: 0.2810

MAE: 0.2812

R<sup>2</sup> Score: 0.6284

-----  
Model Initializedd

Training...

Epoch 1/12

Current Learning Rate: 0.1

805/805                    11s 7ms/step -

loss: 7.1580 - mse: 6.4669 - val\_loss: 1.5145 - val\_mse: 0.9828

Batch size increased to 152

Epoch 2/12

Current Learning Rate: 0.027249059

678/678                    8s 8ms/step -

loss: 1.7377 - mse: 1.2321 - val\_loss: 1.1578 - val\_mse: 0.7084

Batch size increased to 180

Epoch 3/12

Current Learning Rate: 0.010276972

573/573                    7s 8ms/step -

loss: 1.6462 - mse: 1.2069 - val\_loss: 0.9102 - val\_mse: 0.4976

Batch size increased to 214

Epoch 4/12  
Current Learning Rate: 0.0038759557  
482/482                7s 9ms/step -  
loss: 1.4740 - mse: 1.0661 - val\_loss: 0.8740 - val\_mse: 0.4775  
Batch size increased to 254

Epoch 5/12  
Current Learning Rate: 0.0017197824  
406/406                7s 11ms/step -  
loss: 1.0584 - mse: 0.6641 - val\_loss: 0.8730 - val\_mse: 0.4843  
Batch size increased to 302

Epoch 6/12  
Current Learning Rate: 0.0008977372  
342/342                7s 12ms/step -  
loss: 0.9934 - mse: 0.6059 - val\_loss: 0.8741 - val\_mse: 0.4896  
Batch size increased to 359

Epoch 7/12  
Current Learning Rate: 0.00055132294  
287/287                7s 16ms/step -  
loss: 1.3459 - mse: 0.9620 - val\_loss: 0.8647 - val\_mse: 0.4825  
Batch size increased to 426

Epoch 8/12  
Current Learning Rate: 0.00033858125  
242/242                7s 18ms/step -  
loss: 1.2280 - mse: 0.8463 - val\_loss: 0.8563 - val\_mse: 0.4755  
Batch size increased to 506

Epoch 9/12  
Current Learning Rate: 0.00020793123  
204/204                7s 20ms/step -  
loss: 1.0810 - mse: 0.7005 - val\_loss: 0.8722 - val\_mse: 0.4923  
Batch size increased to 601

Epoch 10/12  
Current Learning Rate: 0.00015023032  
172/172                7s 23ms/step -  
loss: 1.0492 - mse: 0.6696 - val\_loss: 0.8518 - val\_mse: 0.4726  
Batch size increased to 714

Epoch 11/12  
Current Learning Rate: 0.00012769578  
145/145                7s 27ms/step -  
loss: 1.1270 - mse: 0.7479 - val\_loss: 0.8543 - val\_mse: 0.4755  
Batch size increased to 849

Epoch 12/12  
Current Learning Rate: 9.2260205e-05  
122/122                7s 33ms/step -  
loss: 1.1094 - mse: 0.7307 - val\_loss: 0.8613 - val\_mse: 0.4828  
Batch size increased to 1009  
Predicting...  
1248/1248                2s 1ms/step

Final Test Metrics:  
MSE: 0.2912  
MAE: 0.2946  
R<sup>2</sup> Score: 0.6149

-----  
Model Initialized  
Training...

Epoch 1/12  
Current Learning Rate: 0.1  
805/805                11s 7ms/step -  
loss: 5.9913 - mse: 5.2895 - val\_loss: 2.2948 - val\_mse: 1.7800  
Batch size increased to 152

Epoch 2/12  
Current Learning Rate: 0.027249059  
678/678                8s 7ms/step -  
loss: 1.6806 - mse: 1.1879 - val\_loss: 1.8841 - val\_mse: 1.4492  
Batch size increased to 180

Epoch 3/12  
Current Learning Rate: 0.010276972  
573/573                7s 8ms/step -  
loss: 1.4493 - mse: 1.0252 - val\_loss: 1.4099 - val\_mse: 1.0116  
Batch size increased to 214

Epoch 4/12  
Current Learning Rate: 0.0038759557  
482/482                7s 9ms/step -  
loss: 1.6487 - mse: 1.2549 - val\_loss: 1.2777 - val\_mse: 0.8953  
Batch size increased to 254

Epoch 5/12  
Current Learning Rate: 0.0017197824  
406/406                7s 11ms/step -  
loss: 1.5406 - mse: 1.1603 - val\_loss: 1.2288 - val\_mse: 0.8543  
Batch size increased to 302

Epoch 6/12  
Current Learning Rate: 0.0008977372

342/342                    7s 13ms/step -  
loss: 1.1339 - mse: 0.7606 - val\_loss: 1.3067 - val\_mse: 0.9363  
Batch size increased to 359

Epoch 7/12  
Current Learning Rate: 0.00055132294  
287/287                    7s 15ms/step -  
loss: 1.3485 - mse: 0.9788 - val\_loss: 1.0678 - val\_mse: 0.6998  
Batch size increased to 426

Epoch 8/12  
Current Learning Rate: 0.00033858125  
242/242                    7s 18ms/step -  
loss: 1.0735 - mse: 0.7059 - val\_loss: 1.1142 - val\_mse: 0.7477  
Batch size increased to 506

Epoch 9/12  
Current Learning Rate: 0.00020793123  
204/204                    7s 20ms/step -  
loss: 1.0675 - mse: 0.7012 - val\_loss: 1.0939 - val\_mse: 0.7284  
Batch size increased to 601

Epoch 10/12  
Current Learning Rate: 0.00015023032  
172/172                    7s 23ms/step -  
loss: 1.1562 - mse: 0.7908 - val\_loss: 1.0205 - val\_mse: 0.6556  
Batch size increased to 714

Epoch 11/12  
Current Learning Rate: 0.00012769578  
145/145                    7s 27ms/step -  
loss: 1.2734 - mse: 0.9087 - val\_loss: 1.0240 - val\_mse: 0.6596  
Batch size increased to 849

Epoch 12/12  
Current Learning Rate: 9.2260205e-05  
122/122                    7s 33ms/step -  
loss: 1.2327 - mse: 0.8683 - val\_loss: 1.0098 - val\_mse: 0.6457  
Batch size increased to 1009

Predicting...  
1248/1248                    2s 1ms/step

Final Test Metrics:  
MSE: 0.2483  
MAE: 0.2225  
R<sup>2</sup> Score: 0.6716

-----  
Model Initialized

Training...

Epoch 1/12

Current Learning Rate: 0.1

805/805 11s 7ms/step -

loss: 6.1915 - mse: 5.4421 - val\_loss: 3.5159 - val\_mse: 2.9391

Batch size increased to 152

Epoch 2/12

Current Learning Rate: 0.027249059

678/678 8s 8ms/step -

loss: 2.1529 - mse: 1.5938 - val\_loss: 1.9489 - val\_mse: 1.4461

Batch size increased to 180

Epoch 3/12

Current Learning Rate: 0.010276972

573/573 7s 8ms/step -

loss: 1.5330 - mse: 1.0412 - val\_loss: 1.4141 - val\_mse: 0.9479

Batch size increased to 214

Epoch 4/12

Current Learning Rate: 0.0038759557

482/482 7s 10ms/step -

loss: 1.3194 - mse: 0.8581 - val\_loss: 1.3820 - val\_mse: 0.9325

Batch size increased to 254

Epoch 5/12

Current Learning Rate: 0.0017197824

406/406 7s 11ms/step -

loss: 1.3122 - mse: 0.8650 - val\_loss: 1.3724 - val\_mse: 0.9310

Batch size increased to 302

Epoch 6/12

Current Learning Rate: 0.0008977372

342/342 7s 12ms/step -

loss: 1.2623 - mse: 0.8222 - val\_loss: 1.3811 - val\_mse: 0.9441

Batch size increased to 359

Epoch 7/12

Current Learning Rate: 0.00055132294

287/287 7s 15ms/step -

loss: 1.2576 - mse: 0.8214 - val\_loss: 1.3603 - val\_mse: 0.9258

Batch size increased to 426

Epoch 8/12

Current Learning Rate: 0.00033858125

242/242 7s 17ms/step -

loss: 1.2375 - mse: 0.8035 - val\_loss: 1.3434 - val\_mse: 0.9105

Batch size increased to 506

Epoch 9/12

Current Learning Rate: 0.00020793123

204/204                7s 20ms/step -

loss: 1.4154 - mse: 0.9827 - val\_loss: 1.3809 - val\_mse: 0.9490

Batch size increased to 601

Epoch 10/12

Current Learning Rate: 0.00015023032

172/172                7s 23ms/step -

loss: 1.5153 - mse: 1.0836 - val\_loss: 1.4249 - val\_mse: 0.9937

Batch size increased to 714

Epoch 11/12

Current Learning Rate: 0.00012769578

145/145                7s 27ms/step -

loss: 1.0389 - mse: 0.6078 - val\_loss: 1.4128 - val\_mse: 0.9820

Batch size increased to 849

Epoch 12/12

Current Learning Rate: 9.2260205e-05

122/122                7s 34ms/step -

loss: 1.2017 - mse: 0.7710 - val\_loss: 1.3775 - val\_mse: 0.9470

Batch size increased to 1009

Predicting...

1248/1248              2s 1ms/step

Final Test Metrics:

MSE: 0.3290

MAE: 0.3428

R<sup>2</sup> Score: 0.5649

-----  
Model Initializedd

Training...

Epoch 1/12

Current Learning Rate: 0.1

805/805                11s 7ms/step -

loss: 6.2459 - mse: 5.5632 - val\_loss: 2.1603 - val\_mse: 1.6797

Batch size increased to 152

Epoch 2/12

Current Learning Rate: 0.027249059

678/678                8s 7ms/step -

loss: 1.7063 - mse: 1.2505 - val\_loss: 1.7840 - val\_mse: 1.3710

Batch size increased to 180

Epoch 3/12  
Current Learning Rate: 0.010276972  
573/573                7s 8ms/step -  
loss: 1.3445 - mse: 0.9406 - val\_loss: 1.4342 - val\_mse: 1.0538  
Batch size increased to 214

Epoch 4/12  
Current Learning Rate: 0.0038759557  
482/482                7s 9ms/step -  
loss: 1.2311 - mse: 0.8548 - val\_loss: 0.9304 - val\_mse: 0.5651  
Batch size increased to 254

Epoch 5/12  
Current Learning Rate: 0.0017197824  
406/406                7s 11ms/step -  
loss: 1.5643 - mse: 1.2012 - val\_loss: 0.9869 - val\_mse: 0.6290  
Batch size increased to 302

Epoch 6/12  
Current Learning Rate: 0.0008977372  
342/342                7s 12ms/step -  
loss: 1.1748 - mse: 0.8180 - val\_loss: 0.9672 - val\_mse: 0.6132  
Batch size increased to 359

Epoch 7/12  
Current Learning Rate: 0.00055132294  
287/287                7s 15ms/step -  
loss: 1.2105 - mse: 0.8572 - val\_loss: 0.9829 - val\_mse: 0.6313  
Batch size increased to 426

Epoch 8/12  
Current Learning Rate: 0.00033858125  
242/242                7s 18ms/step -  
loss: 1.2273 - mse: 0.8761 - val\_loss: 0.8126 - val\_mse: 0.4624  
Batch size increased to 506

Epoch 9/12  
Current Learning Rate: 0.00020793123  
204/204                7s 20ms/step -  
loss: 1.3046 - mse: 0.9546 - val\_loss: 0.8657 - val\_mse: 0.5164  
Batch size increased to 601

Epoch 10/12  
Current Learning Rate: 0.00015023032  
172/172                7s 22ms/step -  
loss: 1.1981 - mse: 0.8490 - val\_loss: 0.8476 - val\_mse: 0.4989  
Batch size increased to 714

Epoch 11/12  
Current Learning Rate: 0.00012769578  
145/145                7s 27ms/step -  
loss: 1.0998 - mse: 0.7512 - val\_loss: 0.8121 - val\_mse: 0.4638  
Batch size increased to 849

Epoch 12/12  
Current Learning Rate: 9.2260205e-05  
122/122                7s 33ms/step -  
loss: 1.3842 - mse: 1.0361 - val\_loss: 0.8420 - val\_mse: 0.4941  
Batch size increased to 1009  
Predicting...  
1248/1248                2s 1ms/step

Final Test Metrics:  
MSE: 0.2854  
MAE: 0.2402  
R<sup>2</sup> Score: 0.6225

-----  
Model Initialized  
Training...

Epoch 1/12  
Current Learning Rate: 0.1  
805/805                11s 7ms/step -  
loss: 6.7955 - mse: 5.9963 - val\_loss: 3.3932 - val\_mse: 2.7928  
Batch size increased to 152

Epoch 2/12  
Current Learning Rate: 0.027249059  
678/678                8s 7ms/step -  
loss: 1.8574 - mse: 1.2637 - val\_loss: 1.5069 - val\_mse: 0.9802  
Batch size increased to 180

Epoch 3/12  
Current Learning Rate: 0.010276972  
573/573                7s 8ms/step -  
loss: 1.4987 - mse: 0.9871 - val\_loss: 1.3965 - val\_mse: 0.9189  
Batch size increased to 214

Epoch 4/12  
Current Learning Rate: 0.0038759557  
482/482                7s 9ms/step -  
loss: 1.6501 - mse: 1.1785 - val\_loss: 1.2139 - val\_mse: 0.7564  
Batch size increased to 254

Epoch 5/12  
Current Learning Rate: 0.0017197824



406/406                    7s 11ms/step -  
loss: 1.4845 - mse: 1.0298 - val\_loss: 1.1990 - val\_mse: 0.7514  
Batch size increased to 302

Epoch 6/12  
Current Learning Rate: 0.0008977372  
342/342                    7s 12ms/step -  
loss: 1.4996 - mse: 1.0533 - val\_loss: 1.0974 - val\_mse: 0.6549  
Batch size increased to 359

Epoch 7/12  
Current Learning Rate: 0.00055132294  
287/287                    7s 15ms/step -  
loss: 1.4918 - mse: 1.0501 - val\_loss: 1.1163 - val\_mse: 0.6768  
Batch size increased to 426

Epoch 8/12  
Current Learning Rate: 0.00033858125  
242/242                    7s 17ms/step -  
loss: 1.2368 - mse: 0.7978 - val\_loss: 1.0743 - val\_mse: 0.6367  
Batch size increased to 506

Epoch 9/12  
Current Learning Rate: 0.00020793123  
204/204                    7s 21ms/step -  
loss: 1.3242 - mse: 0.8869 - val\_loss: 1.0294 - val\_mse: 0.5930  
Batch size increased to 601

Epoch 10/12  
Current Learning Rate: 0.00015023032  
172/172                    7s 23ms/step -  
loss: 1.6636 - mse: 1.2274 - val\_loss: 1.0194 - val\_mse: 0.5838  
Batch size increased to 714

Epoch 11/12  
Current Learning Rate: 0.00012769578  
145/145                    7s 27ms/step -  
loss: 1.4253 - mse: 0.9898 - val\_loss: 0.9919 - val\_mse: 0.5568  
Batch size increased to 849

Epoch 12/12  
Current Learning Rate: 9.2260205e-05  
122/122                    7s 33ms/step -  
loss: 1.5001 - mse: 1.0651 - val\_loss: 0.9782 - val\_mse: 0.5435  
Batch size increased to 1009  
Predicting...  
1248/1248                    3s 1ms/step

Final Test Metrics:

MSE: 0.3168

MAE: 0.2445

R<sup>2</sup> Score: 0.5809

-----  
Model Initialized

Training...

Epoch 1/12

Current Learning Rate: 0.1

805/805                    11s 7ms/step -

loss: 6.8918 - mse: 6.1004 - val\_loss: 1.5752 - val\_mse: 1.0355

Batch size increased to 152

Epoch 2/12

Current Learning Rate: 0.027249059

678/678                    8s 7ms/step -

loss: 2.2619 - mse: 1.7482 - val\_loss: 1.3482 - val\_mse: 0.9022

Batch size increased to 180

Epoch 3/12

Current Learning Rate: 0.010276972

573/573                    7s 8ms/step -

loss: 1.5951 - mse: 1.1617 - val\_loss: 0.9118 - val\_mse: 0.5085

Batch size increased to 214

Epoch 4/12

Current Learning Rate: 0.0038759557

482/482                    7s 9ms/step -

loss: 1.4867 - mse: 1.0890 - val\_loss: 0.8522 - val\_mse: 0.4673

Batch size increased to 254

Epoch 5/12

Current Learning Rate: 0.0017197824

406/406                    7s 11ms/step -

loss: 1.4313 - mse: 1.0489 - val\_loss: 0.8418 - val\_mse: 0.4658

Batch size increased to 302

Epoch 6/12

Current Learning Rate: 0.0008977372

342/342                    7s 12ms/step -

loss: 1.5575 - mse: 1.1829 - val\_loss: 0.8843 - val\_mse: 0.5130

Batch size increased to 359

Epoch 7/12

Current Learning Rate: 0.00055132294

287/287                    7s 15ms/step -

loss: 1.3566 - mse: 0.9860 - val\_loss: 0.8685 - val\_mse: 0.4999

Batch size increased to 426

Epoch 8/12

Current Learning Rate: 0.00033858125

242/242 7s 17ms/step -

loss: 1.3903 - mse: 1.0222 - val\_loss: 0.8462 - val\_mse: 0.4793

Batch size increased to 506

Epoch 9/12

Current Learning Rate: 0.00020793123

204/204 7s 20ms/step -

loss: 1.3411 - mse: 0.9745 - val\_loss: 0.8538 - val\_mse: 0.4879

Batch size increased to 601

Epoch 10/12

Current Learning Rate: 0.00015023032

172/172 7s 23ms/step -

loss: 1.3085 - mse: 0.9428 - val\_loss: 0.8415 - val\_mse: 0.4763

Batch size increased to 714

Epoch 11/12

Current Learning Rate: 0.00012769578

145/145 7s 28ms/step -

loss: 1.4300 - mse: 1.0650 - val\_loss: 0.8594 - val\_mse: 0.4947

Batch size increased to 849

Epoch 12/12

Current Learning Rate: 9.2260205e-05

122/122 7s 33ms/step -

loss: 1.2648 - mse: 0.9002 - val\_loss: 0.8567 - val\_mse: 0.4923

Batch size increased to 1009

Predicting...

1248/1248 2s 1ms/step

Final Test Metrics:

MSE: 0.2709

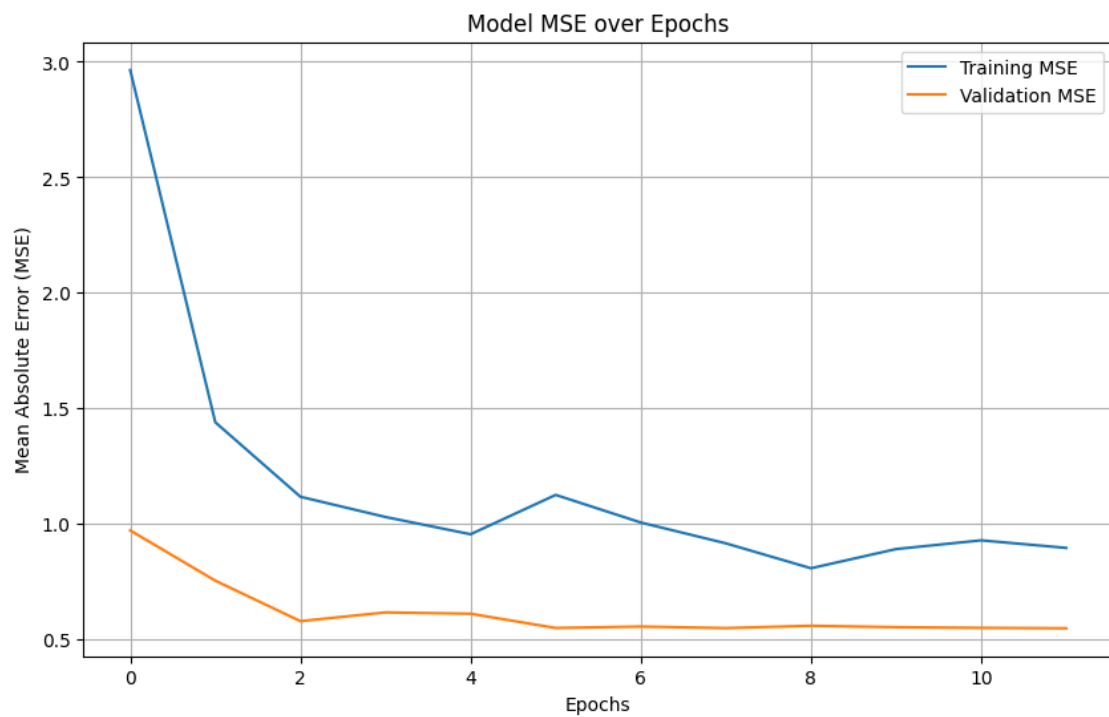
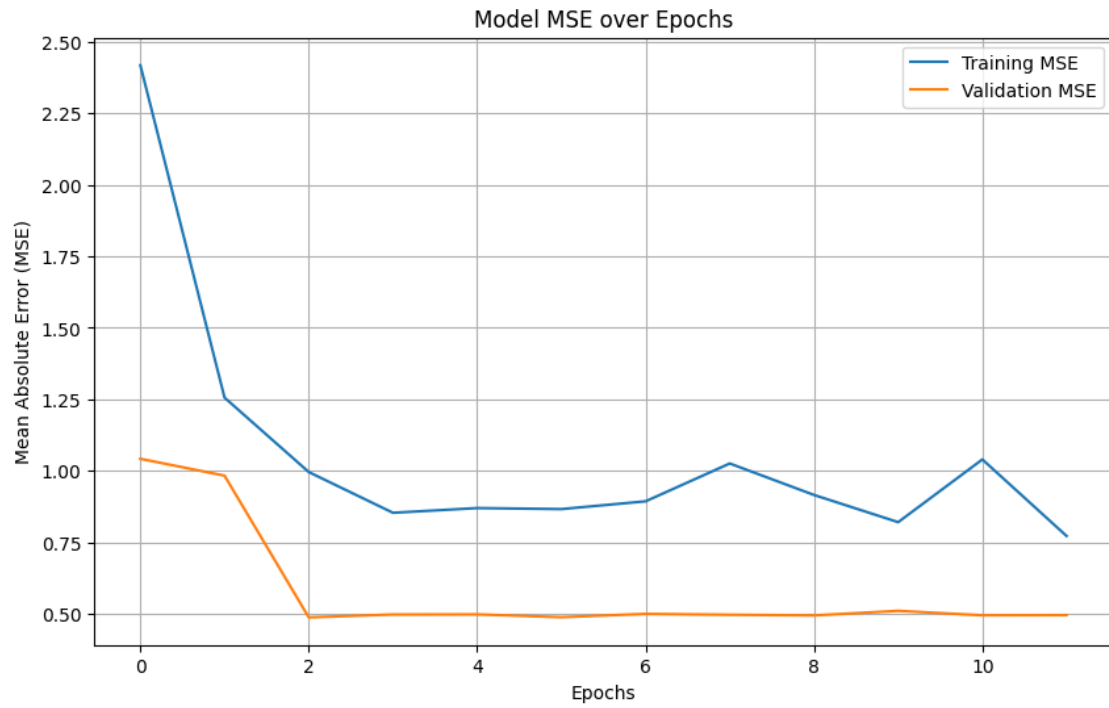
MAE: 0.2416

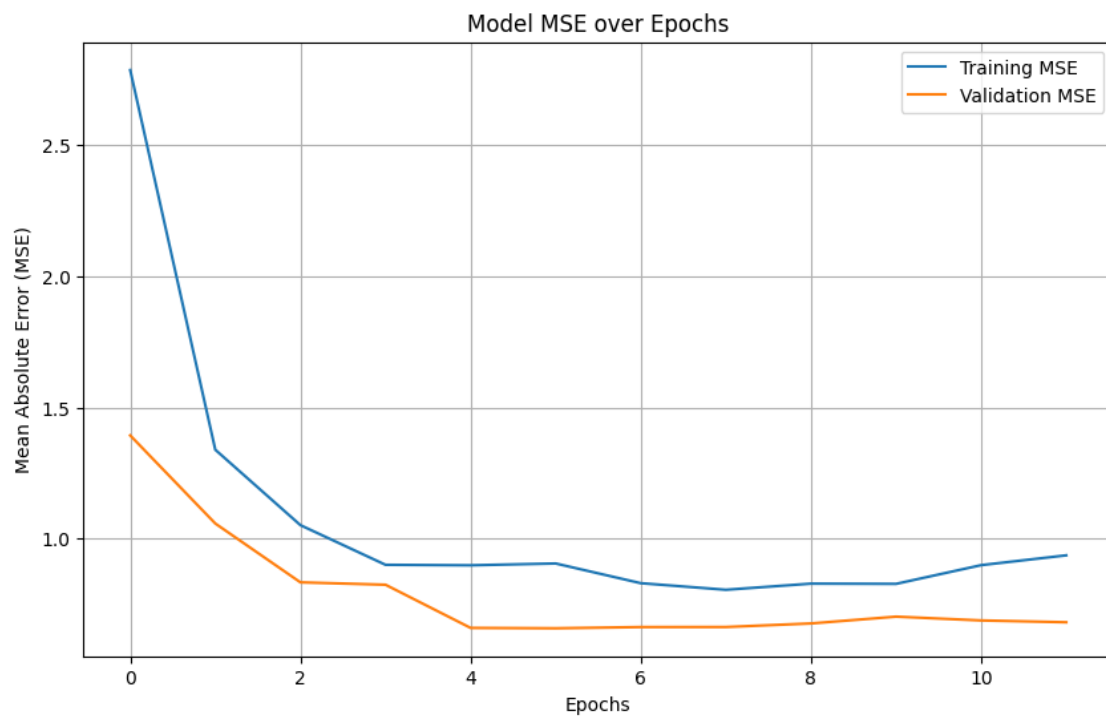
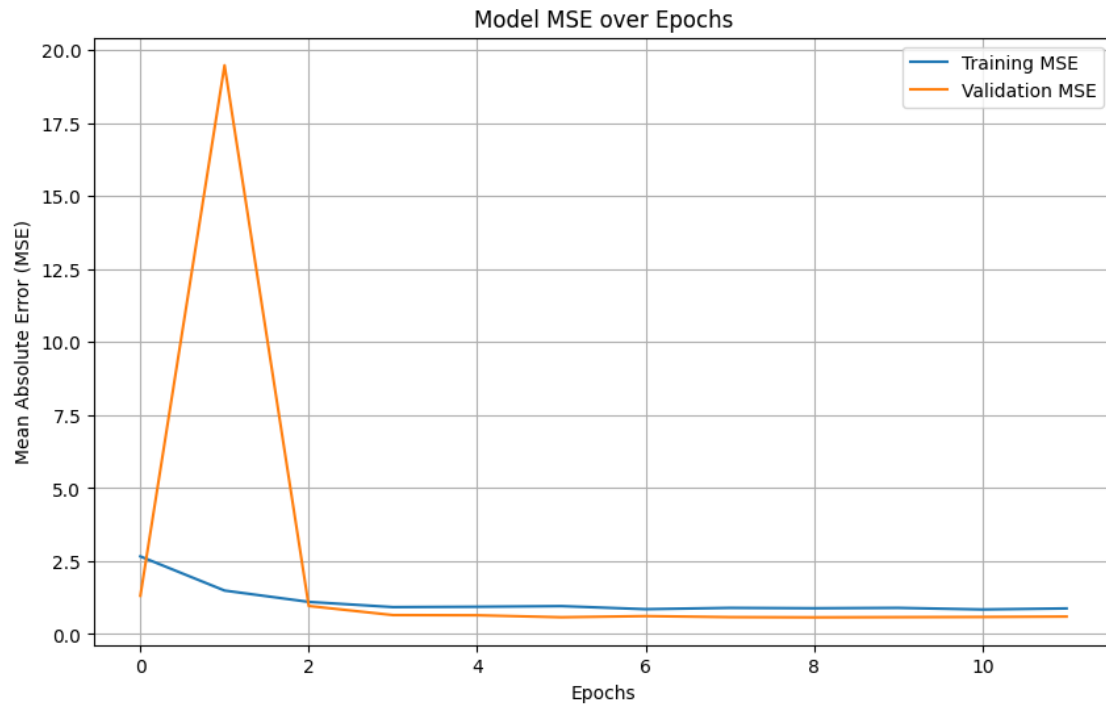
R<sup>2</sup> Score: 0.6417

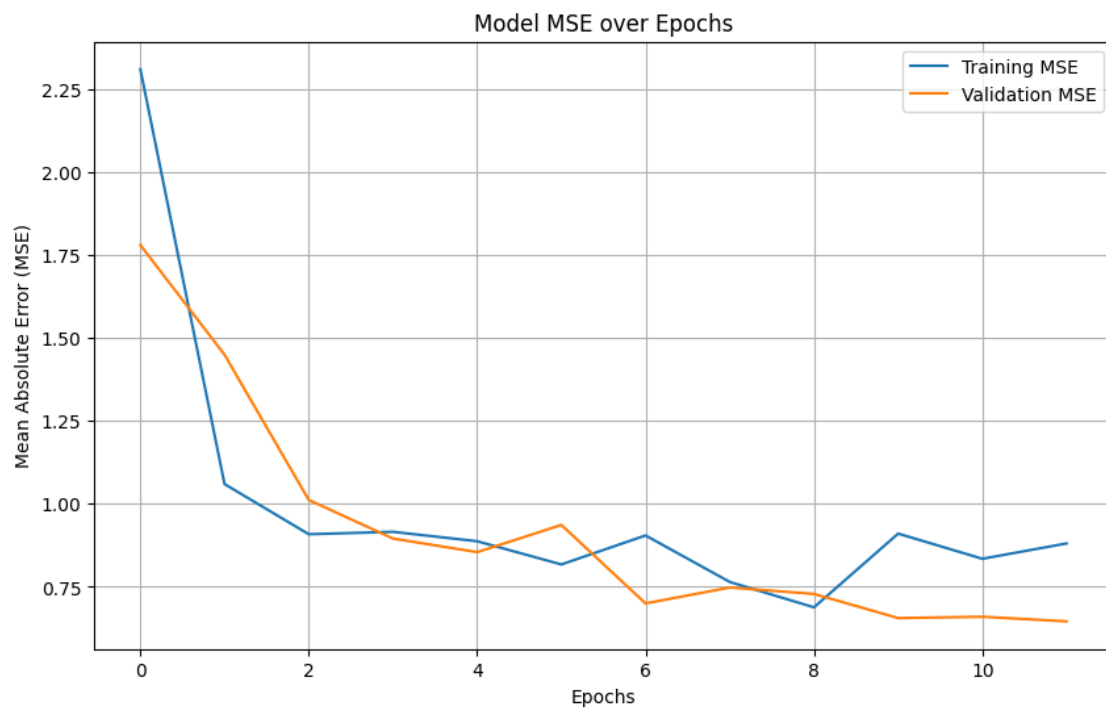
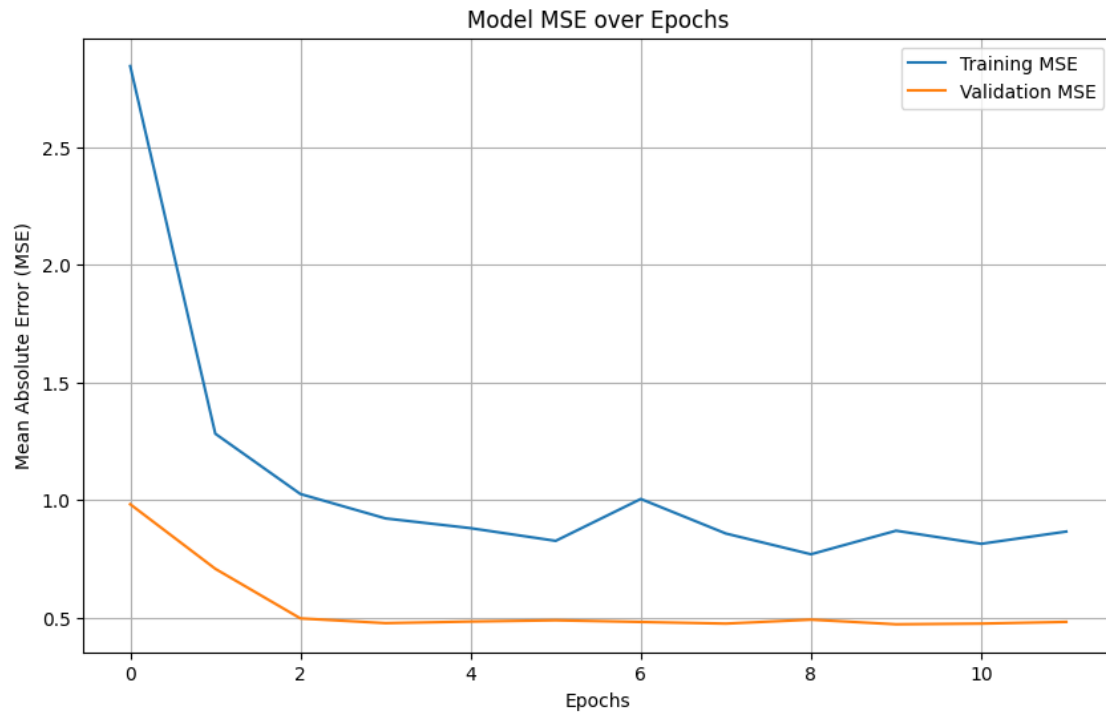
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MSE=0.2789368762834866,var[MSE]=0.0007432206306755456

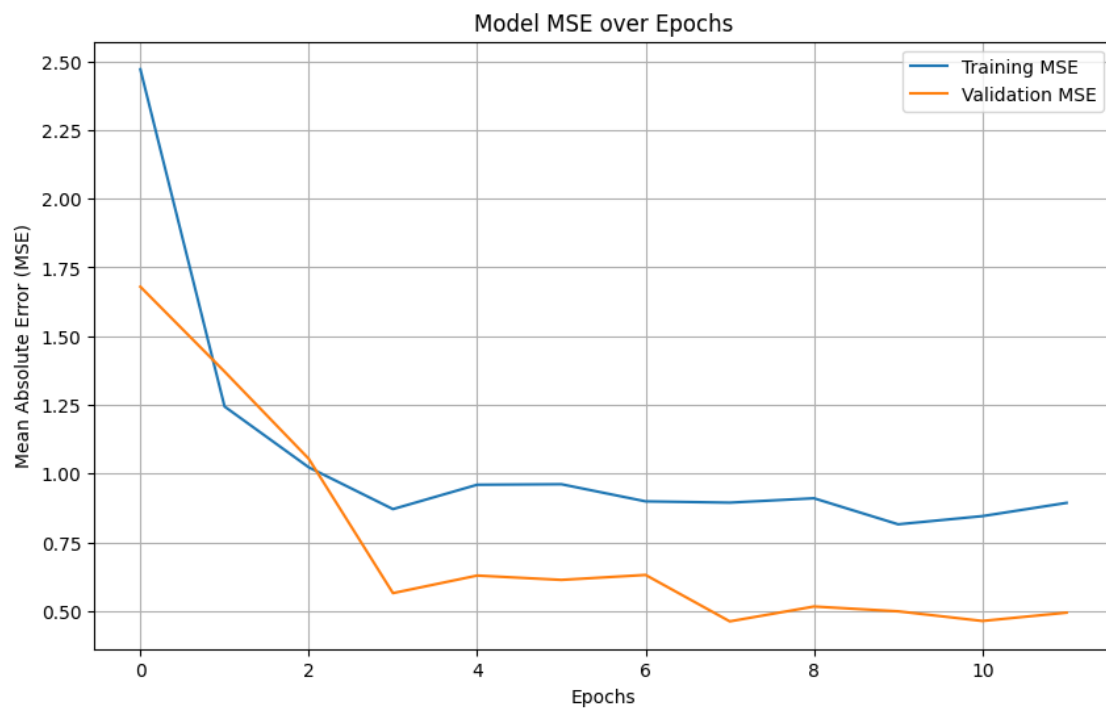
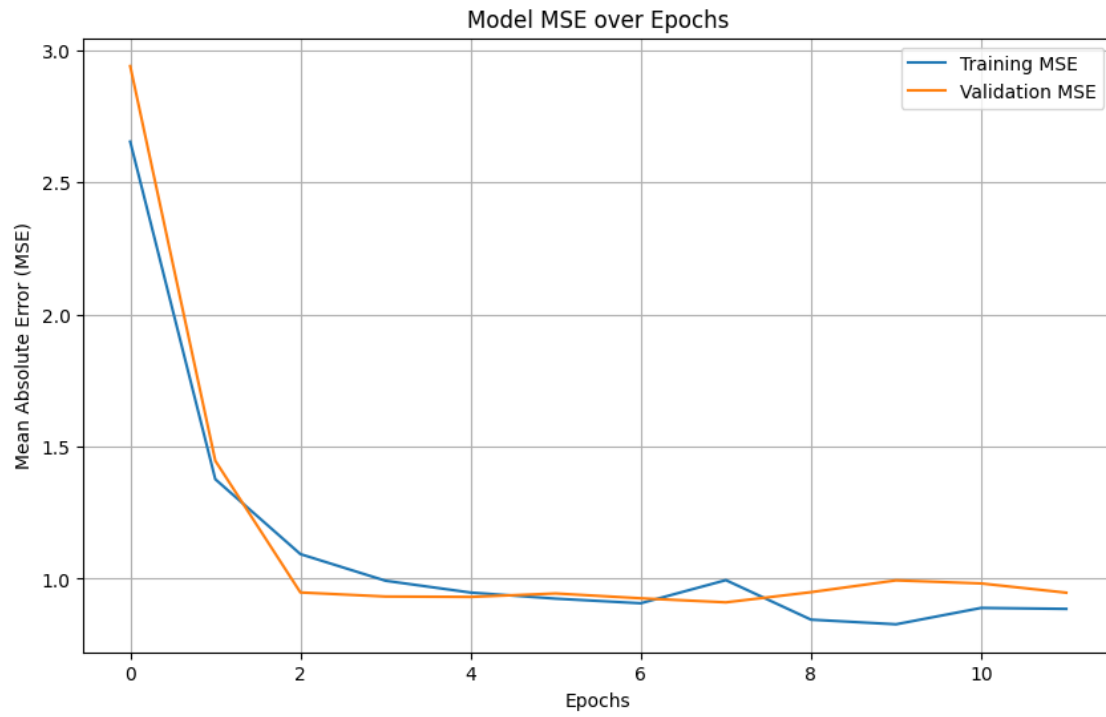
MAE=0.2539529391485913,var[MAE]=0.0014919848324743807

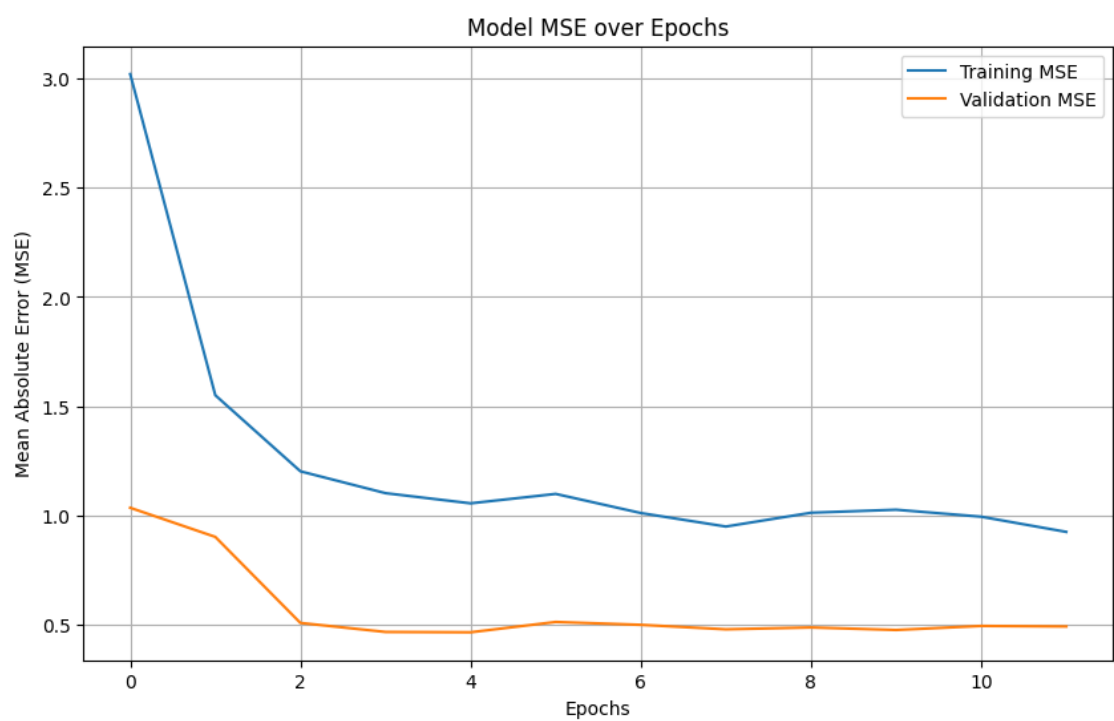
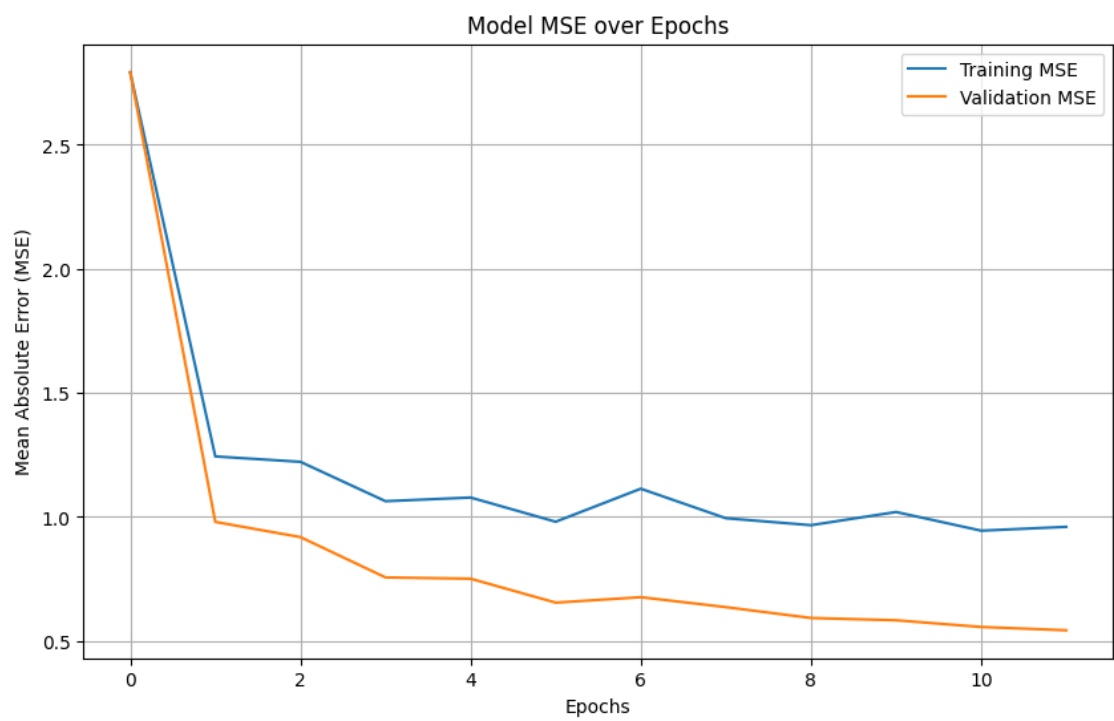
R2s=0.6310515803588184,var[R2s]=0.0013002809479117925













### 3 3 Test Dowhy and EconML

```
[3]: !pip install dowhy 0>/dev/null 1>/dev/null
!pip install econml 0>/dev/null 1>/dev/null
!pip install --upgrade scikit-learn
import networkx as nx
import matplotlib.pyplot as plt
from sklearn.preprocessing import PolynomialFeatures
from sklearn.linear_model import LassoCV
from sklearn.ensemble import GradientBoostingRegressor, \
    GradientBoostingClassifier
from dowhy import CausalModel
# Define the causal graph
causal_graph = nx.DiGraph()

# Add nodes
#causal_graph.add_nodes_from(["PacketSize", "TBS", "SegmentsNum", \
    "SegmentDelay(noSched)"])
causal_graph.add_nodes_from(["TBS", "SegmentsNum", "SegmentDelay(noSched)"])
# Add directed edges representing causal relationships
causal_graph.add_edges_from([
    ("PacketSize", "SegmentsNum"),          # Instrument Variable → Treatment
    ("TBS", "SegmentsNum"),                  # Confounder → Treatment
    ("TBS", "SegmentDelay(noSched)"),        # Confounder → Outcome
    ("SegmentsNum", "SegmentDelay(noSched)") # Treatment → Outcome
])

# Visualize the graph
plt.figure(figsize=(8, 6))
pos = nx.spring_layout(causal_graph, seed=42) # Layout for better visualization
nx.draw(
    causal_graph, pos, with_labels=True, arrows=True,
    node_size=3000, node_color="lightblue", font_size=10, font_weight="bold"
)
plt.title("Predefined Causal Graph", fontsize=14)
nx.write_gml(causal_graph, 'causal_graph_dag.gml')
plt.show()
print(causal_graph)
```

Requirement already satisfied: scikit-learn in /usr/local/lib/python3.10/dist-packages (1.5.2)

Collecting scikit-learn

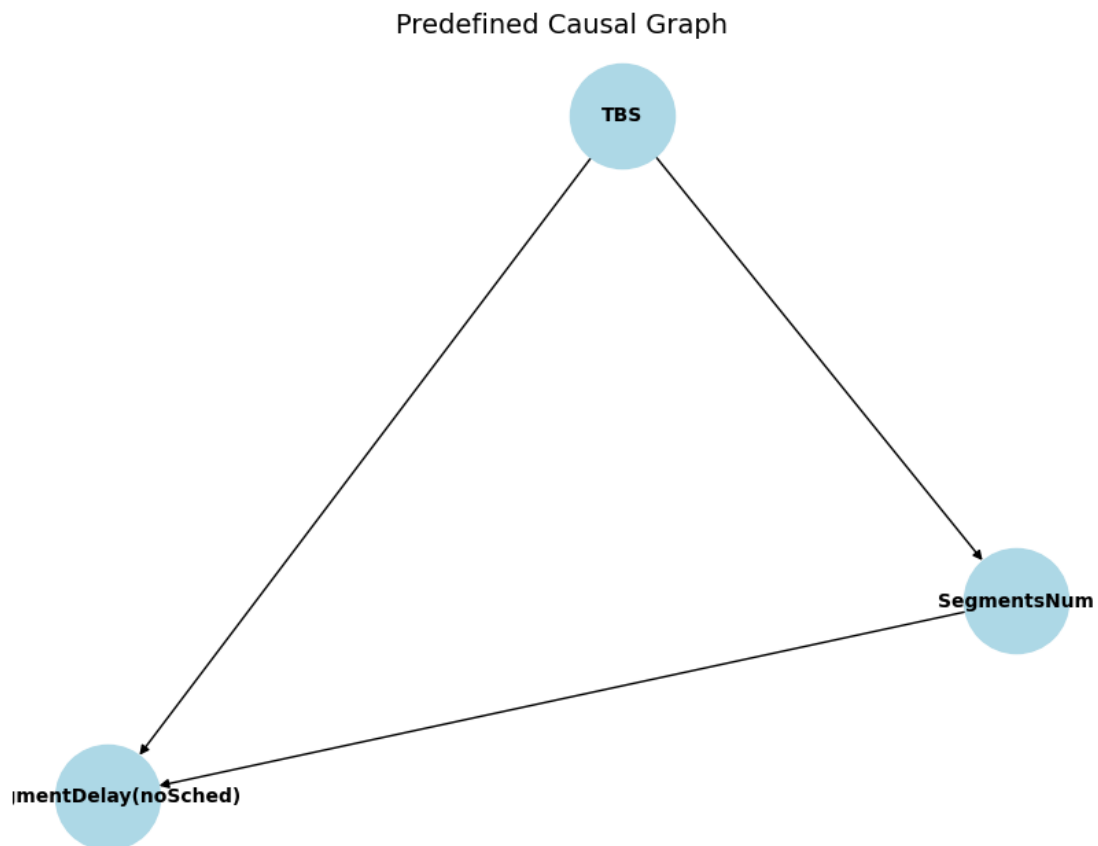
Using cached scikit\_learn-1.6.0-cp310-cp310-

manylinux\_2\_17\_x86\_64.manylinux2014\_x86\_64.whl.metadata (18 kB)

Requirement already satisfied: numpy>=1.19.5 in /usr/local/lib/python3.10/dist-packages (from scikit-learn) (1.26.4)

Requirement already satisfied: scipy>=1.6.0 in /usr/local/lib/python3.10/dist-packages (from scikit-learn) (1.13.1)

```
Requirement already satisfied: joblib>=1.2.0 in /usr/local/lib/python3.10/dist-  
packages (from scikit-learn) (1.4.2)  
Requirement already satisfied: threadpoolctl>=3.1.0 in  
/usr/local/lib/python3.10/dist-packages (from scikit-learn) (3.5.0)  
Using cached  
scikit_learn-1.6.0-cp310-cp310-manylinux_2_17_x86_64.manylinux2014_x86_64.whl  
(13.5 MB)  
Installing collected packages: scikit-learn  
  Attempting uninstall: scikit-learn  
    Found existing installation: scikit-learn 1.5.2  
    Uninstalling scikit-learn-1.5.2:  
      Successfully uninstalled scikit-learn-1.5.2  
ERROR: pip's dependency resolver does not currently take into account all  
the packages that are installed. This behaviour is the source of the following  
dependency conflicts.  
econml 0.15.1 requires scikit-learn<1.6,>=1.0, but you have scikit-learn 1.6.0  
which is incompatible.  
Successfully installed scikit-learn-1.6.0
```



DiGraph with 3 nodes and 3 edges

```
[ ]: # Parameters for the dataset
BETA = 10

# Step 1: Generate the dataset
# data = dowhy.datasets.linear_dataset(
#     beta=BETA,
#     num_common_causes=1, # Adjusted for your causal graph
#     num_samples=100000, # Smaller sample size for readability
#     #num_instruments=1, # 1 Instrument Variable: PacketSize
#     num_effect_modifiers=0,
#     num_treatments=1, # 1 Treatment Variable: SegmentsNum
#     treatment_is_binary=False,
#     num_discrete_common_causes=1, # Discrete confounders: TBS
#     num_discrete_effect_modifiers=0,
#     one_hot_encode=False
# )

# Extract the dataset
df = combined_df

# Map the variables to your causal graph
df.rename(
    columns={
        "v0": "TBS", # Confounder
        "v1": "PacketSize", # Instrumental Variable
        "v2": "SegmentsNum", # Treatment
        "y": "SegmentDelay(noSched)" # Outcome
    },
    inplace=True
)

# Step 2: Define and visualize the causal graph
causal_graph=nx.read_gml("causal_graph_dag.gml")
model = CausalModel(
    data=df,
    treatment="SegmentsNum",
    outcome="SegmentDelay(noSched)",
    common_causes=["TBS"],
    graph=causal_graph
)

# Print the first few rows of the data
print(df.head())
```

```

model.view_model()
# from IPython.display import Image, display
# display(Image(filename="causal_model.png"))
# Print the true causal estimate
# print("True causal estimate is", data["ate"])
identified_estimand= model.identify_effect(proceed_when_unidentifiable=True)
print(identified_estimand)

```

```

[ ]: from sklearn.preprocessing import PolynomialFeatures
from sklearn.linear_model import LassoCV
from sklearn.ensemble import GradientBoostingRegressor, GradientBoostingClassifier
from dowhy import CausalModel

```

```

[ ]: # Remove rows with NaN values
data_cleaned = df[:1024]

# # Ensure all columns used by DMLIV are numeric and do not contain NaNs or inf
# for col in ["TBS", "SegmentsNum", "SegmentDelay(noSched_noFrame)":
#     data_cleaned[col] = pd.to_numeric(data_cleaned[col], errors='coerce')
#     data_cleaned = data_cleaned.dropna(subset=[col])
#     data_cleaned = data_cleaned[np.isfinite(data_cleaned[col])]

# Redefine the causal model with the cleaned data
causal_graph=nx.read_gml("causal_graph_dag.gml")
model = CausalModel(
    data=data_cleaned, # Use cleaned data
    treatment="SegmentsNum",
    outcome="SegmentDelay(noSched)",
    common_causes=["TBS"],
    graph=causal_graph
)

# Identify the causal effect in the defined causal model
identified_estimand = model.identify_effect(proceed_when_unidentifiable=True)

# Estimate the causal effect using the Backdoor Method
dmliv_estimate = model.estimate_effect(
    identified_estimand,
    control_value = 1,
    treatment_value = 3,
    method_name="backdoor.econml.dml.DML",

```

```

target_units = "ate", # Target units condition for your data
confidence_intervals=False,
method_params={
    "init_params": {
        'discrete_treatment': True, # SegmentsNum
        'model_y': GradientBoostingRegressor(),
        'model_t': GradientBoostingClassifier(),
        "model_final": LassoCV(fit_intercept=False),
        'featurizer': PolynomialFeatures(degree=2, include_bias=False)
    },
    "fit_params": {}
}
)

# Print the estimated causal effect
print("Estimated Causal Effect (DML):")
print(dmliv_estimate)

for target_value in range(1,7):
    mean_value = data_cleaned.loc[data_cleaned["SegmentsNum"] == target_value,
    ↪ "SegmentDelay(noSched)"].mean()
    print(f"SegmentsNum' = {target_value}: E[SegmentDelay] = {mean_value}")

# IV. Refute the obtained estimate using multiple robustness checks.
# refute_results = model.refute_estimate(identified_estimand,
#                                     dmliv_estimate,
#                                     method_name="random_common_cause")
# print(refute_results)

[ ]: print(dmliv_estimate.cate_estimates[0][0])
print(dmliv_estimate.conditional_estimates)

[ ]: dir(dmliv_estimate)

```

## 4 4 Causal Informed ML

### 4.0.1 Calculate ATEs

```

[13]: import dowhy
from dowhy import CausalModel
def CalculateATE(dataframe, test=False):
    #print(f"!!!{len(dataframe)}")
    #print(dataframe.head())
    unique_values = sorted(dataframe["SegmentsNum"].unique())
    unique_values = [int(item) for item in unique_values]
    causal_graph=nx.read_gml("causal_graph_dag.gml")
    model = CausalModel(

```

```

data=dataframe, # Use cleaned data
treatment="SegmentsNum",
outcome="SegmentDelay(noSched)",
common_causes=["TBS"],
graph=causal_graph
)
# Identify the causal effect in the defined causal model
identified_estimand = model.identify_effect(proceed_when_unidentifiable=True)
control_val = min(unique_values)
if_fit_estimator= True
ATEs=[]
for i, val in enumerate([item for item in unique_values if item !=
↪control_val]):
    #val=int(val)
    if test == True:
        print(f"SegmentsNum = {val}, True E[effect] = ", end='')
# Estimate the causal effect using the Instrumental Variable Method
if i != 0:
    if_fit_estimator=False
    dmliv_estimate = model.estimate_effect(
        identified_estimand,
        control_value = control_val,
        treatment_value = val,
        fit_estimator=if_fit_estimator,
        method_name="backdoor.econml.dml.DML",
        target_units = "ate", # Target units condition for your data
        confidence_intervals=False,
        method_params={
            "init_params": {
                'discrete_treatment': True, # SegmentsNum
                'model_y':GradientBoostingRegressor(),
                'model_t': GradientBoostingClassifier(),
                "model_final":LassoCV(fit_intercept=False),
                'featurizer':PolynomialFeatures(degree=5, include_bias=True)
            },
            "fit_params": {}
        }
    )
    if test == True:
        print(dmliv_estimate.cate_estimates[0][0])
    ATEs.append(dmliv_estimate.cate_estimates[0][0])

if test == True:
    mean_value1 = dataframe.loc[dataframe["SegmentsNum"] == control_val,
↪"SegmentDelay(noSched)"].mean()
    for target_value in [item for item in unique_values if item != control_val]:

```

```

    mean_value2 = dataframe.loc[dataframe["SegmentsNum"] == target_value,
↪ "SegmentDelay(noSched)"].mean()

    print(f"SegmentsNum = {target_value}: E[effect] = {mean_value2} -
↪ {mean_value1}={mean_value2-mean_value1}")

    return np.array(ATEs)

#df=pd.read_csv('/content/true_batch_data.csv')
# df=data_cleaned
# data_cleaned.to_csv('data_cleaned.csv', index=False)
# print(CalculateATE(df, test=True))
# class_counts = df["SegmentDelay(noSched)"].value_counts()
# least_class_count = class_counts.min()
# print(f"least_class_count in df={least_class_count}")

```

```

[14]: # segmentDelay[segmentnum=1]=b=8.493280410766602;
      # segmentDelay[segmentnum=2]=b+1.95

```

#### 4.0.2 Model Definition(Tensorflow)(Failed, DoWhy requires numpy, incompatible with TensorFlow pipeline)

```

[ ]: # # Hyperparameter for causal loss weighting
mu = 0.1
tf.compat.v1.enable_eager_execution() # Enable eager execution
def causal_and_value_loss(y_true, y_pred):
    # Convert tensors to numpy arrays (requires eager execution)
    x_train = tf.cast(y_true[:,0:2],tf.int32)
    y_label = tf.cast(y_true[:,2],tf.float64)

    y_true_np = y_label.numpy()
    y_pred_np = y_pred.numpy()
    x_train_np = x_train.numpy()

    # Construct dataframe for true data
    # Assuming x_train has columns [TBS, SegmentsNum], and y is
↪ SegmentDelay(noSched)
    true_batch_data = pd.DataFrame({
        "TBS": x_train_np[:, 0],
        "SegmentsNum": x_train_np[:, 1],
        "SegmentDelay(noSched)": y_true_np
    })
    predict_batch_data = pd.DataFrame({
        "TBS": x_train_np[:, 0],
        "SegmentsNum": x_train_np[:, 1],
        "SegmentDelay(noSched)": y_pred_np
    })

```

```

})

true_ATEs=CalculateATE(true_batch_data)
predict_ATEs=CalculateATE(predict_batch_data)

# #Construct true and predicted data tensors
# true_batch_data = {
#     "TBS": x_train[:, 0],
#     "SegmentsNum": x_train[:, 1],
#     "SegmentDelay(noSched)": y_label
# }
# predict_batch_data = {
#     "TBS": x_train[:, 0],
#     "SegmentsNum": x_train[:, 1],
#     "SegmentDelay(noSched)": y_pred
# }

# true_ATEs=CalculateATE_tensor(true_batch_data)
# predict_ATEs=CalculateATE_tensor(predict_batch_data)

# Compute losses
# Value loss
value_loss = tf.reduce_mean(tf.square(y_pred - y_true))
# Causal loss
causal_loss = tf.square(true_ATEs - predict_ATEs) # tau_true and tau_hat_
↪are scalars

total_loss = value_loss + mu * causal_loss
return total_loss

```

```

[ ]: ## Start from the most simple model
## use TBS & SegmentsNum to predict SegmentDelay
## SegmentsNum treatment, TBS cofunder

tf.compat.v1.enable_eager_execution() # Enable eager execution
class CausalDelayPredictionModel:
    def __init__(self, input_shape):
        self.input_shape = input_shape

        initial_learning_rate = 0.1
        self.lr_schedule = ExponentialDecay(
            initial_learning_rate=initial_learning_rate,
            decay_steps=100,
            decay_rate=0.8,
            staircase=True
        )
        optimizer=Adam(learning_rate=self.lr_schedule)

```



```

self.model = self.build_model()
# Compile the model with an adaptive learning rate schedule

self.model.compile(
    loss=lambda y_true, y_pred: causal_and_value_loss(y_true, y_pred),
    optimizer=optimizer
)

def build_model(self):
    # Define the deeper neural network model
    input_layer = Input(shape=self.input_shape, dtype='float32')

    # Third layer
    # x = Dense(1024, activation="linear", kernel_initializer='he_normal',
    #           kernel_regularizer=tf.keras.regularizers.
    ↪l2(1e-5))(input_layer)
    # x = BatchNormalization()(x)
    # x = Activation("relu")(x)
    # x = Dropout(0.3)(x)

    # # Third layer
    # x = Dense(16, activation="linear", kernel_initializer='he_normal',
    #           kernel_regularizer=tf.keras.regularizers.
    ↪l2(1e-5))(input_layer)
    # x = BatchNormalization()(x)
    # x = Activation("relu")(x)

    # # Third layer
    # x = Dense(32, activation="linear", kernel_initializer='he_normal',
    #           kernel_regularizer=tf.keras.regularizers.
    ↪l2(1e-5))(input_layer)
    # x = BatchNormalization()(x)
    # x = Activation("relu")(x)
    # x = Dropout(0.3)(x)

    # # Third layer
    # x = Dense(64, activation="linear", kernel_initializer='he_normal',
    #           kernel_regularizer=tf.keras.regularizers.
    ↪l2(1e-5))(input_layer)
    # x = BatchNormalization()(x)
    # x = Activation("relu")(x)
    # x = Dropout(0.3)(x)

    # Fifth layer
    x = Dense(256, activation="linear", kernel_initializer='he_normal',
              kernel_regularizer=tf.keras.regularizers.
    ↪l2(1e-4))(input_layer)

```

```

x = BatchNormalization()(x)
x = Activation("relu")(x)
x = Dropout(0.3)(x)

# Fifth layer
x = Dense(128, activation="linear", kernel_initializer='he_normal',
          kernel_regularizer=tf.keras.regularizers.l2(1e-4))(x)
x = BatchNormalization()(x)
x = Activation("relu")(x)
x = Dropout(0.3)(x)

# Fifth layer
x = Dense(64, activation="linear", kernel_initializer='he_normal',
          kernel_regularizer=tf.keras.regularizers.l2(1e-4))(x)
x = BatchNormalization()(x)
x = Activation("relu")(x)

# Output layer
output = Dense(1, activation="linear", dtype='float32')(x)

return tf.keras.Model(inputs=input_layer, outputs=output,
↳name="DelayPredictionModel")

# def train(self, train_data):
#     # Separate features and target for training data
#     X_train = train_data.iloc[:, :-1].values
#     y_train = train_data.iloc[:, -1].values

#     # Split the training data into training and validation sets
#     # X_train, X_val, y_train, y_val = train_test_split(X_train, y_train,
↳test_size=0.2, random_state=42)

#     datapoint_count = len(X_train)

#     # Define a generator to yield random pairs of indices
#     def generate_random_indices():
#         while True:
#             randA = np.random.randint(0, datapoint_count)
#             yield randA

#     random_integer_dataset = tf.data.Dataset.from_generator(
#         generate_random_indices,
#         output_signature=tf.TensorSpec(shape=(), dtype=tf.int32)
#     )

#     # Map indices to data and labels

```

```

#     def map_indices_to_data(randA):
#         observe = tf.convert_to_tensor(X_train[randA], dtype=tf.float32)
#         label = tf.convert_to_tensor(y_train[randA], dtype=tf.float32)
#         combined_label = tf.concat([observe, [label]], axis=0)
#         return observe, combined_label

#     random_pair_dataset = random_integer_dataset.map(map_indices_to_data)

#     #Initialize training parameters
#     batch_size = 128
#     growth_factor = 1.189207
#     growth_interval = 1
#     epochs = 12

#     # batch_size = 512
#     # growth_factor = 1.414
#     # growth_interval = 5
#     # epochs = 20

#     train_loss = []
#     val_loss = []
#     train_mse = []
#     val_mse = []

#     # Custom training loop to handle adaptive batch size
#     for epoch in range(epochs):
#         print(f"\nEpoch {epoch + 1}/{epochs}")
#         # Get the current step (integer)
#         current_step = self.model.optimizer.iterations.numpy()

#         # Call the stored lr_schedule directly
#         current_lr = self.lr_schedule(current_step).numpy()
#         print("Current Learning Rate:", current_lr)

#         # Train the model for the current epoch
#         history = self.model.fit(
#             random_pair_dataset.batch(batch_size).prefetch(tf.data.
AUTOTUNE),
#             #validation_data=(X_val, y_val),
#             verbose=1
#         )

#         # Record metrics
#         train_loss.extend(history.history['loss'])
#         #val_loss.extend(history.history['val_loss'])

#         # Increase batch size at growth intervals

```

```

#         if (epoch + 1) % growth_interval == 0:
#             batch_size = int(batch_size * growth_factor)
#             print(f"Batch size increased to {batch_size}")

#     #Plot Loss over epochs
#     plt.figure(figsize=(10, 6))
#     plt.plot(train_loss, label='Training Loss')
#     #plt.plot(val_loss, label='Validation Loss')
#     plt.title('Model Loss over Epochs')
#     plt.xlabel('Epochs')
#     plt.ylabel('Loss')
#     plt.legend()
#     plt.grid()
#     plt.show()

def train(self, train_data):
    # Prepare training data as NumPy arrays
    X_train = train_data.iloc[:, :-1].values
    y_train = train_data.iloc[:, -1].values

    # Combine features and target for the custom loss function
    y_combined = np.hstack([X_train, y_train[:, np.newaxis]])

    # Create TensorFlow Dataset
    dataset = tf.data.Dataset.from_tensor_slices((X_train, y_combined))
    dataset = dataset.shuffle(buffer_size=1024).batch(128).prefetch(tf.data.
AUTOTUNE)

    # Train the model
    self.model.fit(dataset, epochs=12, verbose=1)

def predict(self, test_data):
    # Prepare test data
    X_test = test_data.iloc[:, :-1].values
    y_test = test_data.iloc[:, -1].values

    # Predict and evaluate
    y_pred = self.model.predict(X_test)
    mse = tf.reduce_mean(tf.square(y_test - y_pred)).numpy()
    print(f"Test MSE: {mse:.4f}")

def predict(self, test_data):
    # Separate features and target for test data
    X_test = test_data.iloc[:, :-1]
    y_test = test_data.iloc[:, -1]

    # Evaluate on test data

```

```

y_test_pred = self.model.predict(X_test)
test_mse = mean_squared_error(y_test, y_test_pred)
test_mae = mean_absolute_error(y_test, y_test_pred)
test_r2 = r2_score(y_test, y_test_pred)

print("\nFinal Test Metrics:")
print(f"MSE: {test_mse:.4f}")
print(f"MAE: {test_mae:.4f}")
print(f"R^2 Score: {test_r2:.4f}")

```

```

[ ]: # DelayPredictor = CausalDelayPredictionModel(input_shape=(train_data.
↳shape[1]-1,))
# print("Model Initialized")
# print("Training...")
# DelayPredictor.train(train_data)
# print("Predicting...")
# DelayPredictor.predict(test_data)

```

```

[ ]: print(tf.__version__)

```

2.17.1

#### 4.0.3 Model Definition(Pytorch)

```

[15]: def causal_and_value_loss(y_true, y_pred, x_train, mu=0.01):
    # Convert PyTorch tensors to NumPy arrays
    x_train_np = x_train.detach().numpy()
    y_true_np = y_true.detach().numpy()
    y_pred_np = y_pred.detach().numpy()
    #y_pred_np = y_pred_np.astype(pd.Float64Dtype)
    # Ensure the arrays are 1-dimensional where necessary
    if x_train_np.ndim == 2 and x_train_np.shape[1] > 1:
        TBS = x_train_np[:, 0].astype(int)
        SegmentsNum = x_train_np[:, 1].astype(int)
    else:
        raise ValueError("Expected x_train_np to have at least two columns for_
↳TBS and SegmentsNum.")

    if y_true_np.ndim > 1:
        y_true_np = y_true_np.flatten()
    if y_pred_np.ndim > 1:
        y_pred_np = y_pred_np.flatten()

    # Construct DataFrames
    true_batch_data = pd.DataFrame({
        "TBS": TBS,
        "SegmentsNum": SegmentsNum,

```

```

        "SegmentDelay(noSched)": y_true_np
    })
    true_batch_data = pd.concat([true_batch_data, true_batch_data],
    ↪ ignore_index=True)
    #true_batch_data.to_csv('true_batch_data.csv', index=False)
    #print( true_batch_data.head())

    predict_batch_data = pd.DataFrame({
        "TBS": TBS,
        "SegmentsNum": SegmentsNum,
        "SegmentDelay(noSched)": y_pred_np
    })
    predict_batch_data = pd.concat([predict_batch_data, predict_batch_data],
    ↪ ignore_index=True)
    #print( predict_batch_data.head())

    # Calculate ATEs
    print("true_batch_data ATEs:")
    true_ATEs = np.array(CalculateATE(true_batch_data, test=False)) # Ensure
    ↪ it's a NumPy array
    print("predict_batch_data ATEs:")
    predict_ATEs = np.array(CalculateATE(predict_batch_data, test=False)) #
    ↪ Ensure it's a NumPy array

    # # Adjust predict_ATEs
    # if predict_ATEs.size > 0: # Check if predict_ATEs is not empty
    #     # Find indices of negative elements in predict_ATEs
    #     negative_predict_indices = np.where(predict_ATEs < 0)
    #     # Assign the corresponding values from true_ATEs
    #     predict_ATEs[negative_predict_indices] =
    ↪ true_ATEs[negative_predict_indices]

    # Adjust true_ATEs
    if true_ATEs.size > 0: # Check if true_ATEs is not empty
        # Find indices of negative elements in true_ATEs
        negative_true_indices = np.where(true_ATEs < 0)
        # Assign the corresponding values from predict_ATEs
        true_ATEs[negative_true_indices] = predict_ATEs[negative_true_indices]

    # Convert ATEs to PyTorch tensors
    true_ATEs_tensor = torch.tensor(true_ATEs, dtype=torch.float64)
    predict_ATEs_tensor = torch.tensor(predict_ATEs, dtype=torch.float64)

    # Compute losses
    value_loss = torch.mean((y_pred - y_true) ** 2)
    causal_loss = torch.mean((true_ATEs_tensor - predict_ATEs_tensor) ** 2)
    causal_loss = torch.nan_to_num(causal_loss, nan=0.0)

```

```

print(f"value_loss={value_loss}")
print(f"causal_loss={causal_loss}")
print("-----")
total_loss = value_loss + mu * causal_loss
return total_loss

```

$y = \text{SegmentDelay}$

$\hat{y} = \text{predicted SegmentDelay}$

$L_{value} = (\hat{y} - y)^2$

$L_{causal} = [\widehat{ATE}(\text{Segments}, TBS, \hat{y}) - ATE(\text{Segments}, TBS, y)]^2$

$L_{total} = L_{value} + L_{causal}$

```

[16]: import torch
import torch.nn as nn
import torch.optim as optim
from sklearn.model_selection import train_test_split
import pandas as pd
import numpy as np
import torch.nn.functional as F

class CausalDelayPredictionModel(nn.Module):
    def __init__(self, input_size):
        super(CausalDelayPredictionModel, self).__init__()

        #Define layers with L2 regularization (weight decay)
        self.fc0 = nn.Linear(input_size, 1024)
        self.bn0 = nn.BatchNorm1d(1024) # Batch normalization
        self.dropout0 = nn.Dropout(0.1) # Dropout

        self.fc1 = nn.Linear(1024, 256)
        self.bn1 = nn.BatchNorm1d(256) # Batch normalization
        self.dropout1 = nn.Dropout(0.1) # Dropout

        self.fc2 = nn.Linear(256, 128)
        self.bn2 = nn.BatchNorm1d(128) # Batch normalization
        self.dropout2 = nn.Dropout(0.1) # Dropout

        self.fc3 = nn.Linear(128, 64)
        self.bn3 = nn.BatchNorm1d(64) # Batch normalization
        self.dropout3 = nn.Dropout(0.1) # Dropout

        self.fc4 = nn.Linear(64, 1)

        # He Normal Initialization

```

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nn.init.kaiming_normal_(self.fc0.weight, nonlinearity='relu')
nn.init.kaiming_normal_(self.fc1.weight, nonlinearity='relu')
nn.init.kaiming_normal_(self.fc2.weight, nonlinearity='relu')
nn.init.kaiming_normal_(self.fc3.weight, nonlinearity='relu')
nn.init.kaiming_normal_(self.fc4.weight, nonlinearity='linear') #
↪Output layer doesn't use ReLU

# Optional L2 regularization (applied via optimizer later)
self.l2_regularization = 1e-5 # Set L2 regularization factor here

def forward(self, x):
    x = F.relu(self.bn0(self.fc0(x))) # Apply BatchNorm and ReLU
    x = self.dropout1(x)             # Apply Dropout

    x = F.relu(self.bn1(self.fc1(x))) # Apply BatchNorm and ReLU
    x = self.dropout1(x)             # Apply Dropout

    x = F.relu(self.bn2(self.fc2(x))) # Apply BatchNorm and ReLU
    x = self.dropout2(x)             # Apply Dropout

    x = F.relu(self.bn3(self.fc3(x))) # Apply BatchNorm and ReLU
    x = self.dropout3(x)             # Apply Dropout

    x = self.fc4(x)                  # Output layer (no activation for
↪regression)
    return x

```

```

[17]: from torch.utils.data import DataLoader, TensorDataset
# Directory where the images are saved
save_dir = '/content/CausalML/' # or some other directory path

def train_model(
    train_data,
    input_size,
    epochs=12,
    initial_batch_size=4096,
    max_batch_size=16384,
    initial_learning_rate=0.1,
    #lr_decay=0.9,
    lr_decay=0.562341,
    batch_growth_factor=1.2,
    batch_growth_interval=1
):
    # Prepare the data
    X = train_data.iloc[:, :-1].values
    y = train_data.iloc[:, -1].values
    # Split into training and validation sets

```



```

X_train, X_val, y_train, y_val = train_test_split(X, y, test_size=0.3,
↪random_state=42)

# Convert to PyTorch tensors
X_train_tensor = torch.tensor(X_train, dtype=torch.float32)
y_train_tensor = torch.tensor(y_train, dtype=torch.float64)

X_val_tensor = torch.tensor(X_val, dtype=torch.float32)
y_val_tensor = torch.tensor(y_val, dtype=torch.float64)

# Create Datasets
train_dataset = TensorDataset(X_train_tensor, y_train_tensor)
val_dataset = TensorDataset(X_val_tensor, y_val_tensor)

# Initialize the model, loss function, and optimizer
model = CausalDelayPredictionModel(input_size)
optimizer = optim.Adam(model.parameters(), lr=initial_learning_rate)

current_batch_size = initial_batch_size
current_learning_rate = initial_learning_rate

epoch_losses = []
val_losses = []

for epoch in range(epochs):
    # Create DataLoader for current epoch with updated batch size
    train_loader = DataLoader(train_dataset, batch_size=current_batch_size,
↪shuffle=True)
    val_loader = DataLoader(val_dataset, batch_size=current_batch_size,
↪shuffle=False)

    model.train()
    epoch_loss = 0.0

    for batch_X, batch_y in train_loader:
        optimizer.zero_grad()

        # Forward pass
        y_pred = model(batch_X)
        batch_y = batch_y.view(-1, 1) # Reshape to match output

        # Calculate loss
        loss = causal_and_value_loss(batch_y, y_pred, batch_X)

        # Backward pass and optimization
        loss.backward()
        optimizer.step()

```

```

        epoch_loss += loss.item()

    # Average loss for the epoch
    avg_epoch_loss = epoch_loss / len(train_loader)
    epoch_losses.append(avg_epoch_loss)

    # Validation loop
    model.eval()
    val_loss_epoch = 0.0
    with torch.no_grad():
        for val_X, val_y in val_loader:
            val_pred = model(val_X)
            val_y = val_y.view(-1, 1)
            val_loss = causal_and_value_loss(val_y, val_pred, val_X)
            val_loss_epoch += val_loss.item()

    avg_val_loss = val_loss_epoch / len(val_loader)
    val_losses.append(avg_val_loss)

    print(f"Epoch {epoch + 1}/{epochs}, "
          f"Train Loss: {avg_epoch_loss:.4f}, Val Loss: {avg_val_loss:.4f}")
    print(f"Learning Rate: {current_learning_rate:.6f}, Batch Size:␣
↪{current_batch_size}")
    print("#####")

    # Update learning rate dynamically
    current_learning_rate *= lr_decay
    for param_group in optimizer.param_groups:
        param_group['lr'] = current_learning_rate

    # Update batch size dynamically
    if (epoch + 1) % batch_growth_interval == 0 and current_batch_size <␣
↪max_batch_size:
        current_batch_size = round(min(current_batch_size *␣
↪batch_growth_factor, max_batch_size))

    # Plot the loss curves
    plt.figure(figsize=(10, 6))
    plt.plot(range(0, epochs), epoch_losses, marker='o', linestyle='-',␣
↪color='b', label='Train Loss')
    plt.plot(range(0, epochs), val_losses, marker='x', linestyle='--',␣
↪color='r', label='Validation Loss')
    plt.title('Training and Validation Loss Curves')
    plt.xlabel('Epoch')
    plt.ylabel('Loss')
    plt.grid(True)

```

```

plt.legend()
# Get all files in the directory
files = os.listdir(save_dir)

max_num = 0
for f in files:
    match = pattern.match(f)
    if match:
        num = int(match.group(1))
        if num > max_num:
            max_num = num

# The new file will have the next number
new_number = max_num + 1
filename = f"loss_{new_number}.png"

# Save the figure with the new filename
plt.savefig(os.path.join(save_dir, filename), dpi=300, bbox_inches='tight')

return model

# Predict function
def predict(model, test_data):
    X_test = test_data.iloc[:, :-1].values
    y_test = test_data.iloc[:, -1].values

    X_test_tensor = torch.tensor(X_test, dtype=torch.float32)
    y_test_tensor = torch.tensor(y_test, dtype=torch.float64)

    model.eval()
    with torch.no_grad():
        y_pred = model(X_test_tensor)

    y_pred_np = y_pred.numpy().flatten()
    y_test_np = y_test_tensor.numpy()

    # Calculate metrics
    mse = torch.mean((y_pred - y_test_tensor.view(-1, 1)) ** 2).item()
    mae = torch.mean(torch.abs(y_pred - y_test_tensor.view(-1, 1))).item()
    r2 = r2_score(y_test_np, y_pred_np)

    print("\nFinal Test Metrics:")
    print(f"Test MSE: {mse:.4f}")
    print(f"Test MAE: {mae:.4f}")
    print(f"Test R2 Score: {r2:.4f}")
    print(" ")

```

```
return mse, mae, r2
```

```
[21]: import os
import sys
from contextlib import redirect_stdout
MSEs=[]
MAEs=[]
R2s=[]

for i in range(0,9):
    data1, data2 = train_test_split(combined_df, test_size=0.3)
    train_data, test_data = data1, data2
    print("Training...")
    # Train the model
    input_size = train_data.shape[1] - 1 # Number of features
    model = train_model(train_data, input_size)

    # Evaluate the model
    print("Testing...")
    #test_mse, test_mae, test_r2 =predict(model, test_data)
    test_mse, test_mae, test_r2 =predict(model, test_df)
    MSEs.append(test_mse)
    MAEs.append(test_mae)
    R2s.append(test_r2)

MSEs=np.array(MSEs)
MAEs=np.array(MAEs)
R2s=np.array(R2s)

print(f"MSE={np.mean(MSEs)}, var [MSE]={np.var(MSEs)}")
print(f"MAE={np.mean(MAEs)}, var [MAE]={np.var(MAEs)}")
print(f"R2s={np.mean(R2s)}, var [R2s]={np.var(R2s)}")
```

Training..

true\_batch\_data ATEs:

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value\_loss=92.2746048433107  
causal\_loss=712.4194878440709

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true\_batch\_data ATEs:

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value\_loss=84.65097338385277  
causal\_loss=1700.6351171270726

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true\_batch\_data ATEs:

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value\_loss=55.127585318270036  
causal\_loss=152.56986775814505

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value\_loss=34.59972137622393

causal\_loss=198.27892927672247

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true\_batch\_data ATEs:

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value\_loss=13.4118057259955

causal\_loss=2.518172073405839

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true\_batch\_data ATEs:

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value\_loss=4.587431169708708

causal\_loss=9.392781278818815

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true\_batch\_data ATEs:

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value\_loss=7.8827656241743265

causal\_loss=543.424460848801

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value\_loss=14.815737727551483

causal\_loss=132.52050195014417

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true\_batch\_data ATEs:

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value\_loss=22.943788656728422

causal\_loss=830.5131844972847

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true\_batch\_data ATEs:

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value\_loss=17.508252874328036

causal\_loss=837.4564023696015

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true\_batch\_data ATEs:

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value\_loss=7.506481087780719

causal\_loss=1123.684558931761

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true\_batch\_data ATEs:

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value\_loss=1.927845752142959

causal\_loss=14.770891874299318

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true\_batch\_data ATEs:

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value\_loss=4.671501977673808

causal\_loss=1912.3596860114537

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true\_batch\_data ATEs:

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value\_loss=3.8091539205161284

causal\_loss=43.298217239580886

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true\_batch\_data ATEs:

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predict\_batch\_data ATEs:

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value\_loss=6.339084160684586

causal\_loss=56.91991868557285

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true\_batch\_data ATEs:

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value\_loss=11.460622882096676

causal\_loss=1152.3125029068106

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true\_batch\_data ATEs:

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value\_loss=8.383739576519298

causal\_loss=123.66441167069935

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true\_batch\_data ATEs:

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value\_loss=9.039937722140179

causal\_loss=647.5443409220721

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true\_batch\_data ATEs:

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predict\_batch\_data ATEs:

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value\_loss=3.230251807033424

causal\_loss=0.0

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true\_batch\_data ATEs:

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value\_loss=2.938637303742977

causal\_loss=348.10626017912614

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true\_batch\_data ATEs:

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0616155464930963

causal\_loss=2.989000562224483

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.3585726769698723

causal\_loss=446.51881235465294

-----  
true\_batch\_data ATEs:

predict\_batch\_data ATEs:

value\_loss=95.33401180122246

causal\_loss=0.0

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=481.5009778720249

causal\_loss=262.01981153628884

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=494.1876387002204
causal_loss=802.4999711115397

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=578.2058608706202
causal_loss=718.8584416241818

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=478.2413883785705

causal\_loss=862.3689300794907

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=491.279445002163

causal\_loss=729.4856924758607

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=480.31002602208235

causal\_loss=460.30365818804296

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=481.4067155922537
causal_loss=893.8086573467758

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=480.31282493419235
causal_loss=167.13185207757252

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```



'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=482.05087262003366

causal\_loss=218.80508057109893

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=590.9414039747346

causal\_loss=249.16152452199807

-----  
Epoch 1/12, Train Loss: 26.7297, Val Loss: 509.2082

Learning Rate: 0.100000, Batch Size: 4096

#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.6588644779974833  
causal\_loss=24.50731871925176

-----

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3.0183697852893236

causal\_loss=439.7878686348597

-----

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.220442440607224

causal\_loss=305.77188611424316

-----

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.8478454005896205

causal\_loss=721.9013294575954

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.1805062694866255

causal\_loss=18.666002976602307

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=2.6907446859510564
causal_loss=198.38904272223772
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=3.246519511339977
causal_loss=499.51495777156356
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=2.2532766340303825
causal_loss=30.275597572152463
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.9181877217878713

causal\_loss=209.01205309049635

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.2146844154238665

causal\_loss=43.77287628971557

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.4601821801812263  
causal\_loss=6.524967686015817

-----

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.1795145499800614

causal\_loss=51.436352566415685

-----

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.7845291296201201

causal\_loss=8.007480049358337

-----

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0462921906819538

causal\_loss=8.074258501619354

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.8205180172865962

causal\_loss=3.8326818536204406

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=1.090278446641483
causal_loss=91.29188396335492
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.1269396823964293
causal_loss=51.80866777155588
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.582077929708323
causal_loss=247.44927235761193
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```



'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.1905498787385709

causal\_loss=45.99405167346339

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=67.88600373931563

causal\_loss=246.9776037866096

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=67.2195346507747
causal_loss=170.48601678953045
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=69.0044815079117
causal_loss=136.03890120184488
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=66.96261287931718
causal_loss=47.25524431375698
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=66.91911996812728

causal\_loss=162.9768676518498

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=67.20358719958092

causal\_loss=433.0161394997554

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=67.16304650802347
causal_loss=85.28364566042941
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=68.1515026736745
causal_loss=532.7290552644317
-----
Epoch 2/12, Train Loss: 3.3995, Val Loss: 69.8322
Learning Rate: 0.056234, Batch Size: 4915
#####
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.9361790269376699
causal_loss=78.42493197534498
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.096453144754274

causal\_loss=59.09530883680766

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.4752925813721105

causal\_loss=3.7911868850505273

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.309169975927019

causal\_loss=146.86247604388836

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.534311897468372

causal\_loss=250.91442741127187

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.372863822222258

causal\_loss=79.98000852751302

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed

in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.4023195770569812

causal\_loss=13.014773101854022

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.995951354483771

causal\_loss=265.8640899873687

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.1421298156077384

causal\_loss=497.5607292906216

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8921656626366212

causal\_loss=56.70559959017614

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8916632582510378

causal\_loss=23.658266140171662

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed



in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9245364669590129

causal\_loss=167.05458730794976

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.752770267243878

causal\_loss=114.49804620972037

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.5818364210051283

causal\_loss=6.016960979335855

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.400523060317249

causal\_loss=129.2282574456601

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.6106502170641105

causal\_loss=0.0

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed

in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.218190120983629

causal\_loss=645.3760835104193

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.716644958737399

causal\_loss=71.65231253505037

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.5764409574078192

causal\_loss=4.08142962609599

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9037228380340948

causal\_loss=11.051993926483789

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2128833228920624

causal\_loss=274.93481627167546

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed

```

in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.4022465884311652
causal_loss=275.132843010369

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=3.0881773643818824
causal_loss=800.8485988886242

-----
Epoch 3/12, Train Loss: 2.3278, Val Loss: 4.7070
Learning Rate: 0.031623, Batch Size: 5898
#####
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.845405017082568

causal\_loss=143.76611000956783

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.2341005963411926

causal\_loss=277.99505667639926

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.238028642038465

causal\_loss=239.3033769800716

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8501547229386258

causal\_loss=146.7015734700941

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.6850878510192869

causal\_loss=1.1772235493775742

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.096436504479033

causal\_loss=75.31474044187131

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.7910110232968002

causal\_loss=10.35441418530409

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.370724277976114

causal\_loss=805.3654572380974

-----  
true\_batch\_data ATEs:



'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.152612386513131

causal\_loss=431.3572025839089

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.5921549648550285

causal\_loss=0.05488993701181948

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8374635478944638

causal\_loss=36.546621998898395

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.191293169894412

causal\_loss=34.20001459282941

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.4299281148083856

causal\_loss=178.4150851390828

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.466479355667124

causal\_loss=375.10713270059796

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.4066520928864943

causal\_loss=28.40622838800754

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.3015623077813172

causal\_loss=8.462160602117487

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.38751437219757157

causal\_loss=189.82650211888992

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.114079029859679

causal\_loss=347.81275244254226

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.117180466495042

causal\_loss=818.743930213464

-----  
Epoch 4/12, Train Loss: 3.0861, Val Loss: 3.7462

Learning Rate: 0.017783, Batch Size: 7078

#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0051955921209603

causal\_loss=89.35675721306104

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.5977708369960213

causal\_loss=78.38346256619438

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2266009681551817

causal\_loss=635.4353684068458

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.7736803258255024

causal\_loss=109.09173671059264

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.3374892183712908
causal_loss=136.50879618705727

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.0313909520559832
causal_loss=110.10138434338225

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.7349938502102924

causal\_loss=42.515800097806206

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.3524681770170701

causal\_loss=60.45468187411677

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.117456442123354

causal\_loss=12.365693143900286



```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.201065159682169
causal_loss=1202.7259771423544

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.9804145359579879
causal_loss=176.1117956345848

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2577807575187914

causal\_loss=206.90881674446962

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.6389436600204127

causal\_loss=31.53759456848444

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.35893307723466406

causal\_loss=119.18247905501751

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.8800351161562315
causal_loss=242.63821271866317

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.2143974677778484
causal_loss=846.7565542418421

-----
Epoch 5/12, Train Loss: 3.5354, Val Loss: 3.7641
Learning Rate: 0.010000, Batch Size: 8494
#####
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.6875873107339973

causal\_loss=65.66418492153217

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8805037929596985

causal\_loss=99.28776068548488

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9364172520255354  
causal\_loss=36.6783780444088

-----

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.8449581983628016

causal\_loss=290.61483781225195

-----

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2800736639897605

causal\_loss=285.20725772219475

-----

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8822148155947658

causal\_loss=854.8103595532592

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0131046855379116

causal\_loss=353.79759622072817

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=1.3755250044813698
causal_loss=5.6202989687485605
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.0141826939089096
causal_loss=551.0692049024369
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.353703205975513
causal_loss=99.83040387075046
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.419128482671013

causal\_loss=4.8843375750404165

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.5879131354568141

causal\_loss=260.6821370204666

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.



```

value_loss=1.3294048958863045
causal_loss=443.16492161393916
-----
Epoch 6/12, Train Loss: 3.9269, Val Loss: 2.9439
Learning Rate: 0.005623, Batch Size: 10193
#####
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.1039419718457144
causal_loss=66.9274202786563
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.6669020978926976
causal_loss=130.06945240005155
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.6285176322939369

causal\_loss=17.470646102857586

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.772404287578846

causal\_loss=1.5173571156044252

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.4577785950765898

causal\_loss=449.0923828279775

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2550685655109015

causal\_loss=26.254924809507262

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.7287750442080341

causal\_loss=207.76318737507245

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed

in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.6921534576635908

causal\_loss=904.4474314047782

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2947274930174877

causal\_loss=32.623465382057184

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.2779863414121342

causal\_loss=160.95697473793325

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9708172468396761

causal\_loss=403.8045102179407

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.132690309697279

causal\_loss=226.67848592684174

-----  
Epoch 7/12, Train Loss: 3.2926, Val Loss: 2.9792

Learning Rate: 0.003162, Batch Size: 12232

#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0086165056671808

causal\_loss=18.61270646156221

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.3814168682042025

causal\_loss=36.73062197172208

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9177291608801994

causal\_loss=243.9161434942886

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.3301852956384679

causal\_loss=447.5077530435507

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.3603326341462614

causal\_loss=174.43535936307595

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8072712279109747

causal\_loss=253.73704995263745

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2033880247201978

causal\_loss=1391.0356334420474

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.



'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.018161032732393

causal\_loss=28.941334600996417

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.43085522693858347

causal\_loss=228.95619965761597

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0948515451575056

causal\_loss=392.0853677403395

-----  
Epoch 8/12, Train Loss: 4.8098, Val Loss: 3.0146  
Learning Rate: 0.001778, Batch Size: 14678

#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.1835309866808108

causal\_loss=268.1648373120321

-----

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.183108621987618

causal\_loss=27.228619831428823

-----

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.7589076151955287

causal\_loss=98.83262490503074

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.031022828995548

causal\_loss=174.9629450793988

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8897022175849104

causal\_loss=116.71454307190805

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=2.057458253173259
causal_loss=1050.838297334067

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.9146659260451951
causal_loss=17.740492617503236

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.6373556818674139

causal\_loss=219.78545573807133

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9855271984723919

causal\_loss=853.2762425704732

-----  
Epoch 9/12, Train Loss: 4.0785, Val Loss: 4.4819

Learning Rate: 0.001000, Batch Size: 16384

#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=1.0068896804861285
causal_loss=179.10702268089398
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.643771851309767
causal_loss=188.79300913970334
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.9092382785835388
causal_loss=39.92967966992367
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.6988142064340699

causal\_loss=39.190750313670094

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0230935891536226

causal\_loss=92.39769597549115

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=1.767917529276187
causal_loss=37.90948972942249
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.884766976477567
causal_loss=21.168064506248434
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.6411615124046381
causal_loss=224.29890746011915
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```



'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9558619744619061

causal\_loss=864.1866723466139

-----  
Epoch 10/12, Train Loss: 2.1372, Val Loss: 4.5261

Learning Rate: 0.000562, Batch Size: 16384

#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.3292819087671943

causal\_loss=81.75867022761739

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed

```

in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.0998708185893393
causal_loss=121.66681522845526

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.863585626158484
causal_loss=364.3368789832302

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.1978329000970387
causal_loss=80.01316502223219

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2006584493486243

causal\_loss=29.220898054951917

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.5843478433054061

causal\_loss=44.807554839929495

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8775692496341471

causal\_loss=27.25245538635918

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.6475422361053778

causal\_loss=231.59900336531365

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9590256565356928

causal\_loss=879.6108077956254

-----  
Epoch 11/12, Train Loss: 2.2489, Val Loss: 4.6229

Learning Rate: 0.000316, Batch Size: 16384

#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.990069327223418

causal\_loss=818.376167127581

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.4946230768089301

causal\_loss=30.361544837268376

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.907125816804208

causal\_loss=469.25984179904754

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0851523092735096

causal\_loss=122.00807409749167

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.7652422481132816

causal\_loss=82.61067577000523

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.3231561420448166

causal\_loss=131.0512883482365

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8824807005990367

causal\_loss=20.84889846583961

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.6336811117496414

causal\_loss=213.91179743808243

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9366993520793038

causal\_loss=839.4096398739723

-----  
Epoch 12/12, Train Loss: 3.8503, Val Loss: 4.3982  
Learning Rate: 0.000178, Batch Size: 16384  
#####  
Testing..

Final Test Metrics:

Test MSE: 0.2356

Test MAE: 0.1751

Test R<sup>2</sup> Score: 0.6884

Training...

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:



'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=94.0605780913117  
causal\_loss=346.5076358882913

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=96.91226139583935  
causal\_loss=33.47463478465621

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=81.98832415916011  
causal\_loss=2228.2503542586

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=68.19645823004912
causal_loss=42.07448026959657

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=62.40264651606389
causal_loss=2221.8894201885614

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
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in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=48.90881422030607

causal\_loss=853.7123180404417

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=32.87105196479167

causal\_loss=1500.5572023480065

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=14.42008061833624

causal\_loss=45.24210610566679

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=6.2975847153664315
causal_loss=260.26112286843346

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
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in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=3.810649345476567
causal_loss=20.724914718455697

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=11.757992793352471

causal\_loss=151.13381153958022

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=18.47810645951073

causal\_loss=908.532327126516

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=20.341096707543272

causal\_loss=316.3218712103513

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=10.693807418657167
causal_loss=98.51500283856329

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=7.4112770930883745
causal_loss=949.3742292907001

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=4.367759209798911

causal\_loss=1500.6382012185245

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=4.79568235602657

causal\_loss=1887.236938415474

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=4.4881577470405025

causal\_loss=1330.460864987678

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
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in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=6.375687374517006
causal_loss=3.2785091096627625

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=8.552703412131056
causal_loss=1607.2931804339175

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```



'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=6.421111255717156

causal\_loss=9.92885373028522

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=5.289314618417604

causal\_loss=0.0

-----  
true\_batch\_data ATEs:

predict\_batch\_data ATEs:

value\_loss=13.251292647253154

causal\_loss=0.0

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3268.590422504627

causal\_loss=3786.2693326918807

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3269.60371415148

causal\_loss=5037.031429111335

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3395.3962746835623

causal\_loss=3687.313558883778

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed

in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3285.743746352955

causal\_loss=1161.2449056987227

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3262.8835668646216

causal\_loss=5610.60287383297

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3252.9377601272276

causal\_loss=1447.857042390492

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3269.257965715832

causal\_loss=852.9342898808201

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3346.9034181036604

causal\_loss=16635.859075685672

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed

```

in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=3261.408219280305
causal_loss=2690.1718020205735
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=3534.827192996081
causal_loss=3720.715475207327
-----
Epoch 1/12, Train Loss: 34.5759, Val Loss: 3359.3852
Learning Rate: 0.100000, Batch Size: 4096
#####
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=4.555628246373976

causal\_loss=820.1064957697968

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=4.009137040692427

causal\_loss=1.4464545202449632

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.6834389611888496

causal\_loss=48.0912568303602

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3.0101735706515824

causal\_loss=49.0688427868308

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.6044241789593965

causal\_loss=174.17615494172622

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.9808768010887856

causal\_loss=191.11201238856916

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.961467756621057

causal\_loss=129.11926714528602

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.565661569392224

causal\_loss=107.71305973097246

-----  
true\_batch\_data ATEs:



'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=6.769738513110308

causal\_loss=2138.1920390399087

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.8734674109026024

causal\_loss=14.053690901364547

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3.42002327097121

causal\_loss=1291.8708130359532

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.1828654784066286

causal\_loss=199.03649237237116

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2631590776946822

causal\_loss=9.021053705177835

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.381874933937646

causal\_loss=891.1091864424541

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.6254904749168004

causal\_loss=28.03900495893505

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.5225911885677204

causal\_loss=170.85360239128363

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.4085839921490027

causal\_loss=429.90226262894913

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.3264638767877843

causal\_loss=37.295502725253016

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2289592929508377

causal\_loss=328.9599987687525

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=8.32905309356056

causal\_loss=15.175228579757817

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=8.537617707608636

causal\_loss=54.77480461749698

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=8.271886816366472

causal\_loss=2.917249976211123

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=8.50767079219205

causal\_loss=49.3645490238919

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=8.809283367502522

causal\_loss=488.2605221252501

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=8.3010610356919

causal\_loss=8.901884895025653

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=8.445660425745773

causal\_loss=88.39024431611625

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=9.970532956088634

causal\_loss=1364.4998467965752

-----  
Epoch 2/12, Train Loss: 6.3140, Val Loss: 11.2370  
Learning Rate: 0.056234, Batch Size: 4915  
#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0139313618739414

causal\_loss=70.37434178906754



```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.7044618704331078
causal_loss=151.08007188440425

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.4413386954307776
causal_loss=283.9590133098788

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.091800256278786

causal\_loss=1548.543106362678

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.5065761536286832

causal\_loss=636.023104606673

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.9273289510223952

causal\_loss=543.1102899371666

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.9509450801818251
causal_loss=5.914363260185215

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=2.107848361580959
causal_loss=251.65869893383487

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9287426921588358

causal\_loss=42.56187468252101

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.8529486909559922

causal\_loss=260.33442493332

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.1931577279912604

causal\_loss=31.957570518454858

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.9631038005701518
causal_loss=529.4675250698564

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.6267693095220397
causal_loss=8.027167985253609

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0638723250825792

causal\_loss=188.573036233115

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.6013463470427831

causal\_loss=1140.7190898844901

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.1368400077834173

causal\_loss=1636.0695636631008

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=4.032823978769903
causal_loss=5.8311805260168015

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=4.138916757103664
causal_loss=58.68137369743882

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=4.164542227001291

causal\_loss=29.24159537457977

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=4.151616757705871

causal\_loss=263.17354688226084

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=4.213844369023233

causal\_loss=8.636036321310977



```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=4.234819057799079
causal_loss=11.471964029096124

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=5.379831970006057
causal_loss=1036.0869394410283

-----
Epoch 3/12, Train Loss: 6.2122, Val Loss: 6.3497
Learning Rate: 0.031623, Batch Size: 5898
#####
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2683646998944627

causal\_loss=212.7591386441353

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.56401322828425

causal\_loss=48.4558959391752

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=1.749951796656795
causal_loss=199.99812565858605
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.8551477195307189
causal_loss=54.32995807832391
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.0538819011986142
causal_loss=68.28678918422791
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0292578720606604

causal\_loss=624.0660456451426

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.7987933496417186

causal\_loss=143.91500171661434

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=1.1333325011684887
causal_loss=30.77325228884241
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.4700142494109696
causal_loss=53.517014593997885
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=2.8420858588908335
causal_loss=551.3518912969942
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3.3582791120678186

causal\_loss=972.0200494539085

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0461683665722143

causal\_loss=280.74815442403093

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.4391214833615724  
causal\_loss=627.1708772647012

-----

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.17875528306102428

causal\_loss=5.929695998076591

-----

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.16731864883823622

causal\_loss=41.99614899916573

-----

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.532274303729523

causal\_loss=301.94624905658264

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.2699860995557885

causal\_loss=1.7720132580643242

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.



```

value_loss=0.38627688050723036
causal_loss=37.141340116539055
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.6370771947848193
causal_loss=1196.9846972673574
-----
Epoch 4/12, Train Loss: 4.5602, Val Loss: 3.1716
Learning Rate: 0.017783, Batch Size: 7078
#####
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.318865401183248
causal_loss=624.5936668949123
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.532452843064526

causal\_loss=219.00556144391248

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0193231598370343

causal\_loss=257.93074507299156

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.031425858055042

causal\_loss=19.790695982301134

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.963624129960488

causal\_loss=42.059611657241454

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.939131294698592

causal\_loss=897.7357680617763

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed

in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.069003637333944

causal\_loss=116.50648082562246

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.348479973876319

causal\_loss=1307.507980305005

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.5134551951407202

causal\_loss=397.60094334851755

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.392085671043251

causal\_loss=319.46978420771745

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.4930563902073177

causal\_loss=148.47957332304287

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed

in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.20755583519609294

causal\_loss=13.109614978746011

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.27454346921802997

causal\_loss=45.24829704428573

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.3776416000027461

causal\_loss=207.17964861084155

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.20929158101124026

causal\_loss=11.008511274495463

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.3562614693045951

causal\_loss=827.1600255182444

-----  
Epoch 5/12, Train Loss: 5.3752, Val Loss: 2.6925

Learning Rate: 0.010000, Batch Size: 8494

#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.6535263703532725

causal\_loss=440.93832325491303

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8744142678873493

causal\_loss=65.16634161067054

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.



'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8303853771653449

causal\_loss=9.01960155993026

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.4590371778510884

causal\_loss=425.7403255029934

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9304619084386568

causal\_loss=310.74954050265194

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8757317350783012

causal\_loss=34.87957657258816

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.1998745226918723

causal\_loss=42.72193153494575

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.3937463052831467

causal\_loss=66.46540312373418

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.886934381305749

causal\_loss=64.44475434774901

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.20973791738854441

causal\_loss=10.121730699370465

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.31656141875649574

causal\_loss=209.7677909920166

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.3028918175422502

causal\_loss=29.701102997158372

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8456004350750099

causal\_loss=799.2175205173772

-----  
Epoch 6/12, Train Loss: 2.8562, Val Loss: 3.0407

Learning Rate: 0.005623, Batch Size: 10193

#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.195679221048753

causal\_loss=337.5869233045824

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8526605742965578

causal\_loss=200.48160244557053

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.0918276348650113
causal_loss=295.2467084987294

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.7551937183989061
causal_loss=330.9037889635042

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.1392527927790055

causal\_loss=217.06605699123722

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.733924939961825

causal\_loss=41.41548207619648

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.3951282793777557

causal\_loss=20.805070712792805

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.467487167218715
causal_loss=158.8386590395063

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.20406807782580774
causal_loss=18.471751643584078

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```



'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.34888837893788477

causal\_loss=113.6489718653535

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.36165448352837964

causal\_loss=1.0103046161066445

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.695140342450289

causal\_loss=978.17862016324

-----

Epoch 7/12, Train Loss: 3.3318, Val Loss: 3.4307  
Learning Rate: 0.003162, Batch Size: 12232  
#####  
true\_batch\_data ATEs:  
  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
  
predict\_batch\_data ATEs:  
  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
  
value\_loss=1.0504673041656436  
causal\_loss=299.4239791811243  
-----  
true\_batch\_data ATEs:  
  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
  
predict\_batch\_data ATEs:  
  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
  
value\_loss=1.682709738632654  
causal\_loss=41.78563194058674  
-----  
true\_batch\_data ATEs:  
  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.4546594688509336

causal\_loss=215.09868520911232

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2818830492765074

causal\_loss=395.9106609343115

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=1.2301819415428954
causal_loss=130.39565277028365
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.8595722236920623
causal_loss=44.87722638506571
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=5.367127582027142
causal_loss=1753.1190841458254
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.18053561481017796

causal\_loss=10.464956449564637

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.33351353776949133

causal\_loss=141.55687618191948

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=0.7889835130629943
causal_loss=215.17439156872658
-----
Epoch 8/12, Train Loss: 5.9618, Val Loss: 1.6583
Learning Rate: 0.001778, Batch Size: 14678
#####
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.26982701948114
causal_loss=35.760950650276996
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.9787520668703462
causal_loss=104.71416839967154
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0069665855047012

causal\_loss=20.260630101634348

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.368421957302003

causal\_loss=969.1773943951084

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.249665509285514

causal\_loss=270.17383732893126

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.2844427817631123

causal\_loss=716.5471879565574

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.22992299416984105

causal\_loss=4.482792581260906

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed



```

in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.26728467159759783
causal_loss=108.55222070759787

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.0514402560921594
causal_loss=716.0686394069885

-----
Epoch 9/12, Train Loss: 4.8874, Val Loss: 3.2799
Learning Rate: 0.001000, Batch Size: 16384
#####
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0396318748970037

causal\_loss=40.6022687372434

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2298830287532205

causal\_loss=203.11775498444

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.1882893375982964

causal\_loss=27.5068196673907

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.454560548130409

causal\_loss=200.03029119456536

-----

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.1610537632159592

causal\_loss=180.47989607571841

-----

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.9821019879784079

causal\_loss=322.6014885990404

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.2270891398016387

causal\_loss=5.307845326020409

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.2588981659318005

causal\_loss=88.64561708762344

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0284957998916078

causal\_loss=680.8263782656998

-----  
Epoch 10/12, Train Loss: 2.9665, Val Loss: 3.0874

Learning Rate: 0.000562, Batch Size: 16384

#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.1636062093004158

causal\_loss=60.82398321192952

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.187123833303978

causal\_loss=74.61351136778656

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.1968198006042685

causal\_loss=98.63375173467406

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.60581173593077

causal\_loss=509.4826604241092

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.0996531755883632
causal_loss=215.9633142634594

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.331438575247523
causal_loss=64.28171805192743

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.22602989674753787

causal\_loss=3.1189181915869764

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.25594752661406506

causal\_loss=79.71135270706257

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0155504954044945

causal\_loss=664.2022248436612

-----



Epoch 11/12, Train Loss: 2.9704, Val Loss: 2.9893  
Learning Rate: 0.000316, Batch Size: 16384  
#####  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.527529182712979  
causal\_loss=9.117653216886094  
-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9453662606237861  
causal\_loss=84.11932743919967  
-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.1116443476530735

causal\_loss=221.61447942451332

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.4758505588263224

causal\_loss=709.7149564758997

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=1.4151199350199626
causal_loss=468.33819030746463
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.3211817078156387
causal_loss=62.902463122027626
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.2246652989755032
causal_loss=1.6684966495374034
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.2515896411995333

causal\_loss=69.91137005910142

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0011194187804515

causal\_loss=639.1883493989774

-----  
Epoch 12/12, Train Loss: 3.8925, Val Loss: 2.8617  
Learning Rate: 0.000178, Batch Size: 16384  
#####  
Testing...

Final Test Metrics:

Test MSE: 0.2542

Test MAE: 0.2034

Test R<sup>2</sup> Score: 0.6637

Training...

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=88.78046558984661

causal\_loss=500.8292851348697

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=77.00588575569564

causal\_loss=25.56207189603308

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=61.70961930016883

causal\_loss=241.6713495048967

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=33.73654721529019

causal\_loss=342.74627827055093

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=15.160598212147026

causal\_loss=170.7842072405974

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3.759379591448587

causal\_loss=185.39302421238355

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=11.636567153238506

causal\_loss=1147.0241460914788

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=26.14498022712724

causal\_loss=2075.4001108757916

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=26.738689915519604

causal\_loss=234.3070234687225

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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value\_loss=11.770096366324658

causal\_loss=8.778993665164418

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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value\_loss=4.672558380235193

causal\_loss=411.50675844380913

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3.0954666176386434

causal\_loss=209.18943718884955

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=4.305827806649334

causal\_loss=2734.4703452881854

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=7.744005299447989

causal\_loss=1924.06074132758

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=8.052936822685348

causal\_loss=457.98760902356327

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=7.215311378112046

causal\_loss=4.324656216387903

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=8.521027385097028

causal\_loss=545.3338031033276

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=5.663916906664715

causal\_loss=295.2008605914976

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=4.866197227923884

causal\_loss=506.3233024289034

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3.8449614320660745

causal\_loss=2514.768807689025

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed

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in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=2.692930822262292
causal_loss=1624.794916812698

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
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predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.3089759820893
causal_loss=544.9120496374338

-----
true_batch_data ATEs:
predict_batch_data ATEs:
value_loss=127.92455812794151
causal_loss=0.0

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=30.29615511521073

causal\_loss=6.0059263341769595

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=9.14339919234402

causal\_loss=280.6780772712627

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=34.07399685046452

causal\_loss=8456.337186011406

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
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predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=8.39339166756492
causal_loss=1876.210349917351

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
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predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=6.508361023045193
causal_loss=0.07887330336653726

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
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in 1.8.

predict_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=6.421975805631696

causal\_loss=8.190817714623329

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=8.68099442293862

causal\_loss=1693.86462806603

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=9.006850738791321

causal\_loss=347.5462372494967



```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
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predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=37.824748680663404
causal_loss=2696.0592344059683

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
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predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=6.38978259107112
causal_loss=12.146119871198733

-----
Epoch 1/12, Train Loss: 31.0176, Val Loss: 31.0511
Learning Rate: 0.100000, Batch Size: 4096
#####
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.077762747779987

causal\_loss=361.8604034582321

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3.3965421917977237

causal\_loss=428.9908556487421

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=1.3901952440289864
causal_loss=223.40641157963637
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=4.587238443080385
causal_loss=844.9125899760196
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=2.0509979105451
causal_loss=2.6955724587481544
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3.407414741640144

causal\_loss=1021.5408965921993

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.311617627603522

causal\_loss=23.84714125448923

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=1.9856274953666704
causal_loss=58.79284616913247
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=5.773823436120279
causal_loss=1777.4680098835797
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=4.634544142418687
causal_loss=639.1070373717758
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.141018115932321

causal\_loss=1020.1202116378812

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.2401142891747536

causal\_loss=1390.4519134839531

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=1.143124664388895
causal_loss=251.88656236111424
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=2.479515516157311
causal_loss=1882.4947794566103
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.5626018559012238
causal_loss=463.1515513372489
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.1640697040393089

causal\_loss=310.2831039954796

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.4765281981968001

causal\_loss=506.6303350625791

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.



```

value_loss=3.0083931450028434
causal_loss=2197.516753290139
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.8642508802300298
causal_loss=22.888402415476907
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=4.144331351384038
causal_loss=43.7104577499501
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=5.148189459510073

causal\_loss=89.11134151067091

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=4.917041451783302

causal\_loss=622.6613997008253

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=5.328757138989605
causal_loss=72.68243816556756
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=3.864535387147757
causal_loss=2.8416332478630717
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=5.657206158073328
causal_loss=2035.4463561221455
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=5.483907134056902

causal\_loss=160.40073609332538

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=4.52147262916374

causal\_loss=26.907494273108128

-----  
Epoch 2/12, Train Loss: 9.5250, Val Loss: 8.7004

Learning Rate: 0.056234, Batch Size: 4915

#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed

```

in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.3466588042172785
causal_loss=200.12343284506838

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=3.0682402220302607
causal_loss=1800.9233759191065

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=2.4311725715929415
causal_loss=1853.5159460989519

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.4468391976404091

causal\_loss=352.8557688434112

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.2666596540461814

causal\_loss=2415.462774646161

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.203530005876232

causal\_loss=56.897501222458885

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.1624579921105695

causal\_loss=1736.1162094900421

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.8718284038384632

causal\_loss=843.9250019381825

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed

in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2731091086266486

causal\_loss=403.7660242367011

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2745009141119517

causal\_loss=147.31823682176835

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.



'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9819310850808814

causal\_loss=195.28418838200105

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.3858977142431272

causal\_loss=246.42357410890443

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.4871995129003945

causal\_loss=312.7243568010547

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.202658707677401

causal\_loss=41.438564571932766

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=4.26071478565195

causal\_loss=2096.011262785636

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=5.728786626643543

causal\_loss=1138.4626809316014

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.723958877221361

causal\_loss=41.874312439799546

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.35499629091191

causal\_loss=360.8325528632827

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.9002212749203273

causal\_loss=454.45147547221586

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.5059751597546123

causal\_loss=0.3537217065862434

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.022954642129816

causal\_loss=2052.8357367494086

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.9200417178080773

causal\_loss=140.69973932651945

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.4069921241983818

causal\_loss=65.61901731069476

-----  
Epoch 3/12, Train Loss: 10.8003, Val Loss: 6.0003

Learning Rate: 0.031623, Batch Size: 5898

#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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value\_loss=2.04717754836704

causal\_loss=506.015488551859

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0464419120255932

causal\_loss=213.42112397853413

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.6974722104393511

causal\_loss=388.3050465464257

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0015053698216265

causal\_loss=266.9601555491714

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3.4463533119197924

causal\_loss=1547.34101841092

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.6860996892889664

causal\_loss=1962.1361350983814

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0871171090508012

causal\_loss=247.84159391720257

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.



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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.7172185376255202

causal\_loss=1350.086478562242

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0116207443060812

causal\_loss=293.74141608224534

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.184586656730481

causal\_loss=27.44384662446502

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.6795274491856165

causal\_loss=537.6345160799355

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.1715287458032906

causal\_loss=1460.5677902846603

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.6996183171850099

causal\_loss=101.30189152329835

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.242934906336662

causal\_loss=0.9815240931584889

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.651682842256041

causal\_loss=543.4304889849502

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.988153057978273

causal\_loss=40.56402545049856

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.9347225939413497

causal\_loss=1780.9000773980663

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.3383603004253404

causal\_loss=144.1217453227919

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.062645302840314

causal\_loss=0.6867321801210234

-----  
Epoch 4/12, Train Loss: 8.5772, Val Loss: 6.2209  
Learning Rate: 0.017783, Batch Size: 7078

#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.7998899251526936

causal\_loss=144.5962763902597

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.78948360474435
causal_loss=4.199676853602733

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.0753384884577333
causal_loss=181.94093410839537

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.9463359663592248

causal\_loss=363.5348614679682

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.8076669486635497

causal\_loss=209.95248206634423

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.288981841327366

causal\_loss=1467.8833535767194

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=2.429221300655893
causal_loss=1175.8648577089848

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.237720650339341
causal_loss=1134.6351355458628

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```



'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.612976898266483

causal\_loss=1762.8168774200972

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.475845601437687

causal\_loss=1308.3932647930953

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.5765248515223347

causal\_loss=140.8167379258518

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=2.4079022746488916
causal_loss=42.181544694038095

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=2.8642889865225145
causal_loss=279.60222733544487

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.4816342604929096

causal\_loss=5.862726206141517

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3.289290713993863

causal\_loss=1822.4587092598463

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.2247349819110207

causal\_loss=28.469805827619908

-----

Epoch 5/12, Train Loss: 8.7260, Val Loss: 6.8107  
Learning Rate: 0.010000, Batch Size: 8494  
#####  
true\_batch\_data ATEs:  
  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
  
predict\_batch\_data ATEs:  
  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
  
value\_loss=2.2541514624796446  
causal\_loss=1099.596230624036  
-----  
true\_batch\_data ATEs:  
  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
  
predict\_batch\_data ATEs:  
  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
  
value\_loss=0.7645147619223153  
causal\_loss=132.10071198334987  
-----  
true\_batch\_data ATEs:  
  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.8642084223496231

causal\_loss=1190.8769190094117

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9652901064340947

causal\_loss=12.255391537202728

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.3176799640807237  
causal\_loss=1128.141667477164

-----

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.4883602704617678

causal\_loss=447.55213797369004

-----

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8922979454173582

causal\_loss=167.29801606238277

-----

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.137798845299146

causal\_loss=725.0292816857265

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2116420887843091

causal\_loss=148.60922811219683

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=3.107869434831227
causal_loss=8.63125900321481
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=3.4403418291035606
causal_loss=231.73729842082773
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=3.0851316317677058
causal_loss=1598.6741825913784
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```



'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3.6283632463752653

causal\_loss=45.44287683167675

-----  
Epoch 6/12, Train Loss: 7.0456, Val Loss: 8.0266

Learning Rate: 0.005623, Batch Size: 10193

#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.7923695443163201

causal\_loss=1419.6434627784672

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed

```

in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.6736144794184249
causal_loss=10.190127249948988

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.7910505258745082
causal_loss=884.0116284057018

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.6847833118068172
causal_loss=143.14551635317818

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.5580325335088485

causal\_loss=849.2812872540866

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8152611209685731

causal\_loss=65.22103153460247

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.3025499281504882

causal\_loss=27.294380586185394

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.4137268062374406

causal\_loss=910.9653523488939

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.062833420406765

causal\_loss=15.198053908383821

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed

in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.747136742169149

causal\_loss=113.93254383575363

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.508165852280021

causal\_loss=1453.2401350685586

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2671949024017306

causal\_loss=40.967108878337314

-----  
Epoch 7/12, Train Loss: 6.7661, Val Loss: 5.9547

Learning Rate: 0.003162, Batch Size: 12232

#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.5007013487292005

causal\_loss=745.0918219373895

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.337931105125061

causal\_loss=64.1492681845589

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.1939840426804558

causal\_loss=381.12069275911506

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.4670118027121435

causal\_loss=327.21484815123495

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.774757244133429

causal\_loss=88.04347592969211

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.4883694755356047

causal\_loss=25.31950894573434

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3.5345163423155244

causal\_loss=1429.1003932339065

-----  
true\_batch\_data ATEs:



'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.5000897595337526

causal\_loss=130.76159812326523

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.6099535693826659

causal\_loss=1283.0154807040426

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.7859273884667006

causal\_loss=18.64225875144142

-----  
Epoch 8/12, Train Loss: 5.9854, Val Loss: 6.4067

Learning Rate: 0.001778, Batch Size: 14678

#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.7722794000024602

causal\_loss=265.80188341840216

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9765203889834909

causal\_loss=691.1969514635232

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.2032885324969975
causal_loss=318.7414721432196

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.7433280337074453
causal_loss=689.9783106709201

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8349279044091039

causal\_loss=2.292241514004948

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.906767314218583

causal\_loss=124.54089522637159

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.5089089759666503

causal\_loss=49.111736017774575

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.2582565967241988
causal_loss=1162.5010127043786

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.1546912173948165
causal_loss=104.91464434774667

-----
Epoch 9/12, Train Loss: 4.7271, Val Loss: 5.6957
Learning Rate: 0.001000, Batch Size: 16384
#####
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.3124410275726999

causal\_loss=763.3117574093678

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.397225887363579

causal\_loss=633.7418155612037

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=1.0630935834325461
causal_loss=0.47123894957819124
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.5198506892461994
causal_loss=148.04518007511558
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.3876233612109488
causal_loss=44.7849245580816
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.779943228342841

causal\_loss=28.765606664396458

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.3025944883234089

causal\_loss=86.83162191187768

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.



```

value_loss=1.051969124147964
causal_loss=1076.9361897953927
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.9879795261726879
causal_loss=36.79658118072274
-----
Epoch 10/12, Train Loss: 3.9419, Val Loss: 5.1161
Learning Rate: 0.000562, Batch Size: 16384
#####
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.9670819759373974
causal_loss=2.366282482193602
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9195214577487238

causal\_loss=321.60120255996065

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.293803880039178

causal\_loss=240.40425569377308

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.3598120531117766

causal\_loss=623.293015792798

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.7353913319723655

causal\_loss=50.98307648786664

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8429148263987248

causal\_loss=11.951978654175642

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed

in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.1860314618417003

causal\_loss=18.533131086511005

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9310176865320893

causal\_loss=965.4470859529761

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9351892811897234

causal\_loss=207.4922292680073

-----  
Epoch 11/12, Train Loss: 3.2708, Val Loss: 4.9890

Learning Rate: 0.000316, Batch Size: 16384

#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2633516790258783

causal\_loss=558.7487706278664

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.1690737989278825

causal\_loss=228.20456968305743

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0746329811358852

causal\_loss=789.0590697741088

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.6537179791826533

causal\_loss=363.7826199440212

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2112696597836747

causal\_loss=0.6703492604576152

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9171594945678281

causal\_loss=177.5265333960617

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.1031685639518505

causal\_loss=14.387046078145229

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8582295415835935

causal\_loss=929.043157762212

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8740631928670931

causal\_loss=57.22853737513006

-----  
Epoch 12/12, Train Loss: 4.7449, Val Loss: 4.2807

Learning Rate: 0.000178, Batch Size: 16384

#####

Testing...

Final Test Metrics:

Test MSE: 0.2630

Test MAE: 0.1231

Test R<sup>2</sup> Score: 0.6522

Training...



true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=90.4887155032482

causal\_loss=24.548706066006094

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=78.61310816872412

causal\_loss=640.8114238167343

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=53.58840784948818

causal\_loss=408.29327129779125

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=32.59652726100258

causal\_loss=158.09258355420494

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=18.398715352901966

causal\_loss=2096.8291544980066

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=2.691128818850232
causal_loss=828.4294360120427

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=11.531367794306439
causal_loss=156.30012946936645

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=23.018235533333193

causal\_loss=34.94822764400491

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=20.607792381584023

causal\_loss=231.4252446478002

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=9.375347861539913

causal\_loss=55.538684208659966

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=2.8362644429081785
causal_loss=11.379412313561568

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=2.8369620097159802
causal_loss=676.1257650318967

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=6.425511356163689

causal\_loss=1165.4902666184782

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=5.420332156277783

causal\_loss=0.18352264999226064

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=11.061255863713388

causal\_loss=2267.072781579189

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=8.729800030758962
causal_loss=426.712238400869

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=10.078105354615513
causal_loss=2311.8124901859396

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=5.610235282416715

causal\_loss=212.15309196910084

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3.6968490182305347

causal\_loss=20.907616829623425

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.604154658610526

causal\_loss=20.901055693723695



```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.391817728719352
causal_loss=500.10178068308716

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.9505809912874248
causal_loss=792.8305607477499

-----
true_batch_data ATEs:
predict_batch_data ATEs:
value_loss=129.3262355069522
causal_loss=0.0

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1681.6109220295498

causal\_loss=724.7447385494448

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1692.6120440761765

causal\_loss=755.2127413890145

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1692.2324356795789

causal\_loss=1465.2846166300874

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1683.018878951996

causal\_loss=397.3496397735073

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1692.0570960074078

causal\_loss=1438.5962688759155

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed

in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1688.0260663082595

causal\_loss=964.2806836636108

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1680.4172416035988

causal\_loss=122.8349278670788

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1679.8262533688571

causal\_loss=37.176264274350594

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1681.364175710201

causal\_loss=22.400882542915543

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1680.752577492166

causal\_loss=307.9652518346535

-----  
Epoch 1/12, Train Loss: 28.7951, Val Loss: 1691.4276

Learning Rate: 0.100000, Batch Size: 4096

#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3.5225629957607336

causal\_loss=2183.3721123781174

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.266056400083392

causal\_loss=5.821161508907698

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.4115713391433016

causal\_loss=546.0188703578543

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.4646593069201344

causal\_loss=524.9207772627319

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.856709822208704

causal\_loss=58.71321247614333

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.0870263506415134

causal\_loss=5.716340028992385

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3.8826085550078684

causal\_loss=10.162032626006381

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.



'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3.55890938352372  
causal\_loss=542.460958574303

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.5494978310453513  
causal\_loss=1159.5857836257867

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.5371714509502996  
causal\_loss=28.753041221699476

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.8238605142718756

causal\_loss=37.430203535875755

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.088421458681409

causal\_loss=347.97132708210114

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.264239244143149

causal\_loss=101.17013517946354

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8422410856335092

causal\_loss=247.3514833274969

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.6848965058305917

causal\_loss=22.059728532691945

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.7428397029727828

causal\_loss=100.92068649249623

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8551413909858823

causal\_loss=2.4552285331693193

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.6103819330723164

causal\_loss=1058.2787105941466

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.100053030547614

causal\_loss=1.4005415194309008

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=49.297939273712615

causal\_loss=8.99020269105827

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=50.555376511501734

causal\_loss=2.3570503329768426

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=50.57392277522727

causal\_loss=81.94107434524426

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=51.27751944588527

causal\_loss=2442.638304238769

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=50.36214317553723

causal\_loss=92.22748441661722

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=48.54022991473476

causal\_loss=26.676340199963295

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=48.56993937028623

causal\_loss=633.9248932027366

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=49.20601249086439

causal\_loss=86.28689967282614

-----  
Epoch 2/12, Train Loss: 5.7366, Val Loss: 54.0167

Learning Rate: 0.056234, Batch Size: 4915

#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.



predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.6456865320479541

causal\_loss=539.7724497953637

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.9090600983106882

causal\_loss=93.22367851099952

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2930743544714243

causal\_loss=281.23134158544366

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.252559300493192
causal_loss=45.47579996355264

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.0796828610204425
causal_loss=126.98535082361586

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2063771543454205

causal\_loss=51.00691103242417

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.4174567320724665

causal\_loss=34.481499002163204

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8343767164503479

causal\_loss=200.08713139020853

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.7988432218592237
causal_loss=212.7872136527781

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.5912557827662075
causal_loss=0.06414680236905415

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.852486367386358

causal\_loss=4.699089885548

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.580671998386583

causal\_loss=1.8756710849413796

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.4634336524043996

causal\_loss=63.78364486722844

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=2.3252436846985636
causal_loss=980.4450184891908

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.1377659906674085
causal_loss=344.0524501084689

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0355224965585135

causal\_loss=56.026214298578644

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.942695016217924

causal\_loss=5.026123308183663

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.0773061729356272

causal\_loss=14.179537037553068

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=2.1525688308160826
causal_loss=92.52536572225262

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=3.053454385161265
causal_loss=417.29044176901664

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```



'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.730883567382981

causal\_loss=115.11843140333488

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.474838102711329

causal\_loss=672.8635132587893

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.33308036215225

causal\_loss=101.5852261165603

-----

```

Epoch 3/12, Train Loss: 3.2365, Val Loss: 4.2787
Learning Rate: 0.031623, Batch Size: 5898
#####
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.7302965630273447
causal_loss=29.79217640871275

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=2.202546984903477
causal_loss=659.9756908191911

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.930632619405081

causal\_loss=683.2225126711786

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.7697854061955863

causal\_loss=5.062593344392276

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=0.8387098788428904
causal_loss=418.56074506845863
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.1051390096768623
causal_loss=530.3367892739775
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.7398263588771248
causal_loss=375.04792956842255
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.152327857769749

causal\_loss=108.5391920084377

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.044051636314524

causal\_loss=526.4016849711019

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=0.8009649834526591
causal_loss=602.315576962841
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.7283784099594315
causal_loss=16.04970097251613
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.31989720371729
causal_loss=797.2002686380264
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.7295939176996094

causal\_loss=126.42859330934806

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.125935902726319

causal\_loss=27.35356475423477

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=0.9248536314020374
causal_loss=14.13851567393181
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.3239073246877266
causal_loss=430.50256343615087
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.8645381798329395
causal_loss=53.31745339638708
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```



'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.7887754876695229

causal\_loss=248.322301867755

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9918624220511535

causal\_loss=57.7106522218929

-----  
Epoch 4/12, Train Loss: 5.0678, Val Loss: 2.3889  
Learning Rate: 0.017783, Batch Size: 7078  
#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed

```

in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.8023767658397245
causal_loss=224.48287669005552

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.6246252666362808
causal_loss=20.00088707141739

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=2.476810768279638
causal_loss=781.8429278125991

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.441841359082746

causal\_loss=40.044030126260864

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.5809882519064852

causal\_loss=71.91290451584419

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.47359616242783753

causal\_loss=4.364538136315464

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.9627982089715992

causal\_loss=370.3181313417379

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8577575662328989

causal\_loss=16.206996759574025

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed

in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.632037847123208

causal\_loss=25.783404850116558

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.819087691022851

causal\_loss=441.83581729113297

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8757219503217359

causal\_loss=107.10816989589925

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9256976548191616

causal\_loss=6.756590768705036

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.6580127753543162

causal\_loss=42.76351690413886

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed

in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.5076691012450698

causal\_loss=162.83907152012154

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.5362631899335735

causal\_loss=323.99335788259

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.977605605640749

causal\_loss=83.16379830302289

-----  
Epoch 5/12, Train Loss: 3.1442, Val Loss: 2.1601

Learning Rate: 0.010000, Batch Size: 8494

#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0601507942670787

causal\_loss=426.2637572988949

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.3361353772822522

causal\_loss=47.62503489519146

-----  
true\_batch\_data ATEs:



'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.8394211807704988

causal\_loss=568.055253923513

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.3101298906456529

causal\_loss=11.858782620715598

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9116708229740453

causal\_loss=258.8091291315799

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.1991527499491477

causal\_loss=230.0069565498958

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.1204754524989482

causal\_loss=94.80144365900107

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.3799905462043354

causal\_loss=148.60428307128728

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9917636404246482

causal\_loss=442.2245143913632

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.7831407495788411

causal\_loss=20.959052838479362

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2451748572188792

causal\_loss=130.94153388296579

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.6437750963358081

causal\_loss=183.62907219253424

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.7594374184047707

causal\_loss=14.571132550153493

-----  
Epoch 6/12, Train Loss: 3.7146, Val Loss: 1.7331

Learning Rate: 0.005623, Batch Size: 10193

#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.7803257540694821

causal\_loss=54.69459061017043

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.5104442931868385

causal\_loss=412.3955284171361

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.599253160430945

causal\_loss=575.4985194400375

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.206066589879449

causal\_loss=255.79473880276112

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.7814514635730802
causal_loss=105.38668665080115

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.1272720714420952
causal_loss=297.8748426226355

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.3227644021256606

causal\_loss=331.3098319597713

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2016815524385764

causal\_loss=38.1488538510792

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.995159915023492

causal\_loss=60.07602638792196



```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.9794949757313043
causal_loss=66.7327816715768

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.5938947733007551
causal_loss=112.86346151916034

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.4341088521701679

causal\_loss=2.6208729340048422

-----  
Epoch 7/12, Train Loss: 3.7800, Val Loss: 1.3564

Learning Rate: 0.003162, Batch Size: 12232

#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0461841028999361

causal\_loss=367.0620338567031

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=1.531336407153422
causal_loss=416.6272223430291
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.9684711957283232
causal_loss=273.1474738192536
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.8531301835683717
causal_loss=33.609397492959154
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8364404801194815

causal\_loss=0.06587052789992502

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.9542829474914658

causal\_loss=368.7559875014355

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=0.46532816808797123
causal_loss=4.02011181075444
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.9235389259172834
causal_loss=61.07999853865561
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.8992114760785863
causal_loss=72.87627532905448
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.6703392967495574

causal\_loss=40.2279590411129

-----  
Epoch 8/12, Train Loss: 3.1840, Val Loss: 1.4116

Learning Rate: 0.001778, Batch Size: 14678

#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.016704599635326

causal\_loss=116.917959306406

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed

```

in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.3809486539088045
causal_loss=33.91081202430266

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.9743771042163529
causal_loss=23.614635867118164

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.3622048281901549
causal_loss=278.28850852164624

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8070902665960262

causal\_loss=456.9206868788711

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.6249112012524702

causal\_loss=26.60009170105377

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.



'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8381245200260874

causal\_loss=45.34572564249978

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9157997914917811

causal\_loss=106.26284186849402

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.7503950930230413

causal\_loss=385.6294665377054

-----  
Epoch 9/12, Train Loss: 2.7548, Val Loss: 2.6256

Learning Rate: 0.001000, Batch Size: 16384

#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2986658081066835

causal\_loss=208.32325218509897

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.3435841692100028

causal\_loss=47.87996850277368

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8275828459480774

causal\_loss=189.9123971677622

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9941195074270823

causal\_loss=29.547536937533316

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.410001936525926

causal\_loss=20.850886708902184

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.7370859991749927

causal\_loss=23.940328968092228

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.7694360151842904

causal\_loss=27.556325144020903

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8778371323904118

causal\_loss=130.04600115553362

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.7458730196443738

causal\_loss=1.677368119792126

-----  
Epoch 10/12, Train Loss: 1.9693, Val Loss: 1.3286  
Learning Rate: 0.000562, Batch Size: 16384  
#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0009788757519487

causal\_loss=58.99126401688103

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.1397416164958276
causal_loss=50.52933361600089

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.296350938894079
causal_loss=151.53273350229486

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9879854900753005

causal\_loss=136.57549713348698

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2330931327105819

causal\_loss=419.5564774690617

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9282011736288793

causal\_loss=60.10951140448395

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.8000531527507698
causal_loss=66.17077065408685

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.9004829693901871
causal_loss=123.46632905481769

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```



'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.7494144987658246

causal\_loss=356.2929295864124

-----  
Epoch 11/12, Train Loss: 2.5599, Val Loss: 2.6364

Learning Rate: 0.000316, Batch Size: 16384

#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9784973458156432

causal\_loss=57.858601363547145

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=2.089477286210375
causal_loss=228.35366728670695
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.1035464765504857
causal_loss=64.00295438221906
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.9734624443851967
causal_loss=89.65088065468504
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.080637374749373

causal\_loss=98.61348093329178

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.5859907101970754

causal\_loss=72.45779497213971

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=0.8089889284902521
causal_loss=42.69099776305623
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.9072362258396419
causal_loss=127.70080021050266
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.7510788187693482
causal_loss=18.062882105513168
-----
Epoch 12/12, Train Loss: 2.1535, Val Loss: 1.4506
Learning Rate: 0.000178, Batch Size: 16384
#####
Testing...

Final Test Metrics:
Test MSE: 0.2315

```

Test MAE: 0.1917

Test R<sup>2</sup> Score: 0.6938

Training...

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=89.87452003829702

causal\_loss=40.41232356375588

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=71.8711196139405

causal\_loss=2432.9716883393617

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=46.912732798842285

causal\_loss=621.9911476122944

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=22.10897927630128

causal\_loss=1942.7285441679373

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=6.936251388935689
causal_loss=2110.2630861205894
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=8.258734623720962
causal_loss=859.5012218507719
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=20.111600095307157
causal_loss=76.439875883027
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=21.177225430800434

causal\_loss=149.8779778007502

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=11.843295643692791

causal\_loss=272.77592760821386

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.



value\_loss=3.2595402062438037  
causal\_loss=6.731753387475621

-----

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.7971059952157682

causal\_loss=15.779305027475688

-----

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=5.026664238754663

causal\_loss=192.58768217745637

-----

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=5.2151516190298794

causal\_loss=19.34352210561571

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=9.850107605157797

causal\_loss=927.2187863832712

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=9.665986004468678
causal_loss=218.08211007681996
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=6.920941571510087
causal_loss=587.967744884765
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=3.7145028670484113
causal_loss=50.41387672207028
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.8892469020897105

causal\_loss=362.9792495162355

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=4.3219864759810696

causal\_loss=748.3278784443037

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=2.1107914170215416
causal_loss=359.5288815568811
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=3.2388462945477015
causal_loss=1836.4260008647066
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=3.140578053249204
causal_loss=408.81840906855285
-----
true_batch_data ATEs:
predict_batch_data ATEs:
value_loss=154.1921337976936
causal_loss=0.0
-----
true_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=9.993222759148777

causal\_loss=1406.056038080769

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=36.43496082890458

causal\_loss=23.17921123985363

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=5.6700201439229385

causal\_loss=1445.4178245965807

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.2955190260564873

causal\_loss=86.69669251977686

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3.932800008955393

causal\_loss=2589.0590579813947

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=5.065996565559658

causal\_loss=1204.4456481104203

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=4.6246198391923965

causal\_loss=379.3638454897264

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.



'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=29.563457124521555

causal\_loss=466.54115177075744

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=4.466650279451021

causal\_loss=112.50799648638106

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.6475388508809259

causal\_loss=5.342362827518258

-----  
Epoch 1/12, Train Loss: 28.5152, Val Loss: 18.0881  
Learning Rate: 0.100000, Batch Size: 4096

#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.7731853894067993

causal\_loss=15.08957987130591

-----

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3.0602150827291643

causal\_loss=2227.9825761505635

-----

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.7383037936082046

causal\_loss=828.4762826484325

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.9496047241372785

causal\_loss=1704.8794284228693

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=5.319056233900601

causal\_loss=1959.0212895692991

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=5.104128358283905
causal_loss=23.18867671160034

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=5.705983229459663
causal_loss=584.3900992401353

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=4.58405132605552

causal\_loss=51.10082178961729

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=4.5656563759610025

causal\_loss=23.467414391402823

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=5.935705203080797

causal\_loss=1336.0339523874072

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=5.025736092818506
causal_loss=710.1161656725568

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=2.2109361639819944
causal_loss=160.5527977335726

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2888915140449044

causal\_loss=27.76690085503216

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.1053852316723254

causal\_loss=12.41372055721186

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8592704864086139

causal\_loss=5.310155647946943

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.5932422652739953
causal_loss=64.88510097518825

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.89257148347219
causal_loss=134.95703525221208

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```



'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.7275929454955113

causal\_loss=2.9028061243802905

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.663660466006431

causal\_loss=1511.2939546900288

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=30.41302388386415

causal\_loss=931.4507096642176

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=31.58029266959116
causal_loss=17.12324684968588

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=30.007710633778714
causal_loss=763.0915626649286

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=29.457433604091875

causal\_loss=329.6338178275124

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=30.192808207117945

causal\_loss=519.3293967726094

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=30.580295469538154

causal\_loss=250.9688045204529

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=31.74805963540574
causal_loss=256.2468037385583

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=29.722747748544265
causal_loss=50.69811314184425

-----
Epoch 2/12, Train Loss: 9.0496, Val Loss: 34.3610
Learning Rate: 0.056234, Batch Size: 4915
#####
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.3589226269955965

causal\_loss=350.9184536699863

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.8147699665092751

causal\_loss=64.80916990367803

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=1.638393313500674
causal_loss=49.91490139129984
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.9275953295130233
causal_loss=141.88776056269342
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=2.399760198205361
causal_loss=11.187553293583628
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.7404246006291442

causal\_loss=77.87811834964194

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.95118716879274

causal\_loss=288.0994089691982

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=1.397231841146591
causal_loss=71.63046480743583
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.721960546870861
causal_loss=32.86776732357449
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.9446547914105503
causal_loss=334.56563100564546
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```



'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.7748941550727553

causal\_loss=58.74697399237606

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.1882024376633216

causal\_loss=81.10378746295129

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=2.166585606558965
causal_loss=1087.4842873784582
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.7213773252770421
causal_loss=8.121895451677023
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.6302472352752562
causal_loss=891.620281999089
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.4819102608430658

causal\_loss=34.113903413102975

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=7.468409999850748

causal\_loss=1262.5529579021809

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=4.823969035265
causal_loss=808.1462376257688
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=2.98958616164478
causal_loss=110.32988883837159
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=3.929365050689072
causal_loss=835.1415261157488
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=4.208344775748233

causal\_loss=361.99650712354327

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=7.30142247092917

causal\_loss=458.41420778274124

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=3.064055018453271
causal_loss=12.952490574039365
-----
Epoch 3/12, Train Loss: 3.7942, Val Loss: 10.3258
Learning Rate: 0.031623, Batch Size: 5898
#####
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.0431906492791518
causal_loss=47.378727241678085
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.4109260836274233
causal_loss=699.8753890796789
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9863082782179471

causal\_loss=164.66353838960643

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.7792438719749208

causal\_loss=428.84824985408613

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.846397395758278

causal\_loss=26.61158823016518

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0281765624548391

causal\_loss=528.7091643525742

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.1151643042110315

causal\_loss=1404.9574923703535

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed



in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.0627827658011753

causal\_loss=125.7882050901016

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.361447356503412

causal\_loss=875.2987150142403

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0085817461570867

causal\_loss=498.11541268063087

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.5905697300570852

causal\_loss=2.3958780453413486

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.8235526348062796

causal\_loss=868.5691151832456

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed

in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.4560214057983971

causal\_loss=10.468679545355224

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.6835100246929569

causal\_loss=1111.963327024165

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.5925673372872715

causal\_loss=834.7115186405713

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.1261536486316823

causal\_loss=934.144402588789

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2603788338122137

causal\_loss=587.2145390945223

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed

```

in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=2.968379556917682
causal_loss=453.1471107916899
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.0517360822101733
causal_loss=20.164648296166867
-----
Epoch 4/12, Train Loss: 5.7176, Val Loss: 8.1827
Learning Rate: 0.017783, Batch Size: 7078
#####
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8788128745914217

causal\_loss=233.0665569736519

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.4735521734746298

causal\_loss=55.9817543472321

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0058333974365727

causal\_loss=135.78583224296256

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.6460668135097216

causal\_loss=81.36920829749079

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2096488906969731

causal\_loss=43.469499154094045

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.112074625690171

causal\_loss=8.214138542258299

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.6699370800110561

causal\_loss=26.089306543622207

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.1924739352709766

causal\_loss=35.43052374871647

-----  
true\_batch\_data ATEs:



'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.5356535775973107

causal\_loss=4.020611181641461

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.9712364614509732

causal\_loss=405.1223580295498

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.7289483548666129

causal\_loss=297.2849764936932

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.1000081807754232

causal\_loss=809.2494992393376

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.550107028862965

causal\_loss=531.1273211764145

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.5626914578885794

causal\_loss=375.3854709440237

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.7547706387719324

causal\_loss=481.68249565943506

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.6903756580680295

causal\_loss=41.125849872077104

-----  
Epoch 5/12, Train Loss: 2.1530, Val Loss: 5.4087

Learning Rate: 0.010000, Batch Size: 8494

#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0312057371253363

causal\_loss=217.06058568051742

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2179464603537589

causal\_loss=49.99855108583957

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.8852935693752846
causal_loss=782.5831191114396

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.8088813679537011
causal_loss=387.2192967384358

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.367793778641527

causal\_loss=56.97670951664921

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9490255911281441

causal\_loss=26.113126943378838

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8002411307289764

causal\_loss=6.511748958734799

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.928764160710714
causal_loss=140.70991042131718

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.083609474673121
causal_loss=314.863089051126

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8727326494853814

causal\_loss=635.2703279867352

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.44450669742943655

causal\_loss=287.7461748428178

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0719196736480168

causal\_loss=267.82489296353907



```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.0285379177553087
causal_loss=24.67926712708854

-----
Epoch 6/12, Train Loss: 3.3215, Val Loss: 3.8932
Learning Rate: 0.005623, Batch Size: 10193
#####
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.7692659000920632
causal_loss=133.71439071541698

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.7397224342551003

causal\_loss=222.77651219592644

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.7694553162485904

causal\_loss=144.21420991426533

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=0.9429119415365229
causal_loss=397.11200914138675
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.3903793748009468
causal_loss=88.84160964771445
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.9545252711021829
causal_loss=56.6061334912755
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.1570148437199026

causal\_loss=6.618319020869986

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.0007264471259947

causal\_loss=251.71461276925038

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=0.7947545743181206
causal_loss=311.5719228485394
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.35345352740646796
causal_loss=202.87818804084415
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.2518937091841509
causal_loss=102.30584543827547
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.6736335172267254

causal\_loss=73.7519791115844

-----  
Epoch 7/12, Train Loss: 2.7175, Val Loss: 2.4947

Learning Rate: 0.003162, Batch Size: 12232

#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2303555816205072

causal\_loss=370.8624441385167

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed

```

in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.19178357345963
causal_loss=152.14683882710486

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.4032540116308028
causal_loss=348.97868394070053

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.013278835629715
causal_loss=299.9310697863525

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.1749651051678838

causal\_loss=137.0684656412934

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9905587264207331

causal\_loss=71.58331694425178

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.



'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.667386290118837

causal\_loss=187.30447943397277

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.7181890124042696

causal\_loss=295.825172980765

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.6675097480907588

causal\_loss=229.16403433844366

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed

in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0587127462226715

causal\_loss=25.697067975353498

-----  
Epoch 8/12, Train Loss: 3.3358, Val Loss: 2.6504

Learning Rate: 0.001778, Batch Size: 14678

#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9009321226260679

causal\_loss=63.31632521527322

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9567066498820488

causal\_loss=14.284267574962698

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0126705045857798

causal\_loss=650.604271742167

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9047904739746278

causal\_loss=8.114158565451817

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2219669838059588

causal\_loss=117.99491277151294

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0183567917958467

causal\_loss=211.80807958921784

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.6790981625323618

causal\_loss=306.88325010066046

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.7651807548866436

causal\_loss=235.68444464383438

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.1453402891179643

causal\_loss=6.157843516988968

-----  
Epoch 9/12, Train Loss: 2.7794, Val Loss: 2.6923  
Learning Rate: 0.001000, Batch Size: 16384

#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2204879971669573

causal\_loss=345.68056501235066

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0324657776378483

causal\_loss=377.12779683434206

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.3029117138707786

causal\_loss=21.18625686001927

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9880355875344728

causal\_loss=286.9023420195982

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.7275597913991236

causal\_loss=63.64091102038643

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.940061493842409
causal_loss=100.6114994367947

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.6745595559297393
causal_loss=294.8167420872724

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```



'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.758708814771449

causal\_loss=227.85358424537554

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.1433910361430997

causal\_loss=5.715421912531962

-----  
Epoch 10/12, Train Loss: 3.0272, Val Loss: 2.6202

Learning Rate: 0.000562, Batch Size: 16384

#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=1.0709131459060013
causal_loss=572.8513639221253
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.9655649122946999
causal_loss=235.68888050814493
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.031474749187949
causal_loss=28.543100820396205
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.7380569495513859

causal\_loss=63.79308215519374

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2818606405808304

causal\_loss=179.39620020923869

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.1990073420990177  
causal\_loss=22.85174539610215

-----

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.6712784859700416

causal\_loss=288.9839244705499

-----

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.7556580797509397

causal\_loss=224.0243563535192

-----

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.1433569611684464

causal\_loss=5.434454352784198

-----  
Epoch 11/12, Train Loss: 2.8864, Val Loss: 2.5849

Learning Rate: 0.000316, Batch Size: 16384

#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8811318896306226

causal\_loss=80.67359952662554

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed

```

in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.6888045659017918
causal_loss=314.0025208195008

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
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in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.8952029234334067
causal_loss=48.87666657378224

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.1930402572909482
causal_loss=21.5848401251573

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.559990180661749

causal\_loss=109.87521556796341

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8013471164444974

causal\_loss=232.44747102646411

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.6732605873577813

causal\_loss=291.8259512752126

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.7521378164830126

causal\_loss=213.92279329232983

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.1386746714480929

causal\_loss=4.761523713083592

-----  
Epoch 12/12, Train Loss: 2.3490, Val Loss: 2.5564

Learning Rate: 0.000178, Batch Size: 16384

#####

Testing..



Final Test Metrics:

Test MSE: 0.2284

Test MAE: 0.1545

Test  $R^2$  Score: 0.6978

Training...

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=96.58875225880763

causal\_loss=712.1225050477984

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=102.73912284869127

causal\_loss=163.20880396006405

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed

in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=74.58626534638981

causal\_loss=37.27000067191894

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=63.00118243495129

causal\_loss=1.52260782371829

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed

```

in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=54.354671140377256
causal_loss=779.6469803899523

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=43.64334275964514
causal_loss=2331.9065926198045

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=28.44597594938445
causal_loss=2950.7946347616057

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=13.024985794143891

causal\_loss=830.5088929119233

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=4.6553885864327

causal\_loss=2492.7380640242923

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3.477669094433523

causal\_loss=20.398558964469437

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=15.360326071665007

causal\_loss=878.522369614797

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=20.046870891446734

causal\_loss=471.0716259202336

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed

in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=21.29244038733066

causal\_loss=1282.3041471562362

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=15.552172761687299

causal\_loss=3497.546439447106

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=6.869519585997992

causal\_loss=345.8222586542137

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.3040097997405722

causal\_loss=2.085514416518334

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.8127218011787947

causal\_loss=165.9143085297987

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed

in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=5.20864163015946

causal\_loss=3416.6459509572437

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=7.460252878998393

causal\_loss=169.07982449913933

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.



'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=10.135134023213046

causal\_loss=3841.6336401029016

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=8.004822838721083

causal\_loss=187.32079385529013

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=5.3334361614562615

causal\_loss=23.67889440687742

-----  
true\_batch\_data ATEs:

predict\_batch\_data ATEs:

value\_loss=23.373695750626556

causal\_loss=0.0

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=17.696293787714843
causal_loss=2133.191597305648

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=14.335148273189983
causal_loss=0.3963619691352456

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=17.84985198542449

causal\_loss=497.32704314196553

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=14.576029482083861

causal\_loss=1.124042603375315

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=27.32240477134917

causal\_loss=1546.3219284629631

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=14.962334368266955
causal_loss=351.3784871317867

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=17.487891942322864
causal_loss=1538.3891772911402

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=16.37000610941838

causal\_loss=1881.914247951671

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=14.525586234651419

causal\_loss=1.6194633448662101

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=23.586816798427368

causal\_loss=3781.9944900018745

-----

```

Epoch 1/12, Train Loss: 37.9691, Val Loss: 29.6049
Learning Rate: 0.100000, Batch Size: 4096
#####
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=6.068849945889104
causal_loss=1309.6019064277082
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=4.552301270453219
causal_loss=1283.0009490596967
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=4.779021574273294

causal\_loss=2140.326612237687

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=5.280107684005583

causal\_loss=2485.0825244093953

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=3.699471328008837
causal_loss=764.4023135559653
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=3.9666238952252186
causal_loss=2717.2326307793974
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.754000794462079
causal_loss=25.44797983468476
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```



'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3.0093673267143917

causal\_loss=310.47228471084696

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=4.130435226467419

causal\_loss=622.7693240049738

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=3.231106561226928
causal_loss=141.61620993023956
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=2.6615417655904596
causal_loss=1.5272155298974972
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=2.5645003984761563
causal_loss=521.0913697533672
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.842034113737412

causal\_loss=447.5294981197108

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.8970705577588676

causal\_loss=105.71767426821367

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.3137131450839483  
causal\_loss=0.18638020813143094

-----

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.766940048381753  
causal\_loss=2364.9255883143514

-----

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.5253506338102802  
causal\_loss=354.30532605089337

-----

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.894989253807284

causal\_loss=2607.624383281981

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.5951411528566112

causal\_loss=18.87196836559245

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=2.850978800680398
causal_loss=2124.8490583097787
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.9555810074246232
causal_loss=127.21533512503622
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.729849443955381
causal_loss=53.660346601197546
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3.053677133312558

causal\_loss=756.9694706924021

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0694816876599373

causal\_loss=389.29003435561845

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=2.6586632470478424
causal_loss=994.3526225056917
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.838538348076686
causal_loss=1865.9808717721712
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
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in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=4.0736030134391275
causal_loss=3753.6750207260957
-----
Epoch 2/12, Train Loss: 12.7237, Val Loss: 14.7363
Learning Rate: 0.056234, Batch Size: 4915
#####
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```



'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.3621727180590328

causal\_loss=414.8639822293165

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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value\_loss=0.9613919572246171

causal\_loss=413.4420837815582

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0655157672932989

causal\_loss=1.4627367538813643

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3.1861933910510016

causal\_loss=485.2441435759188

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.8797243628106628

causal\_loss=266.70663917013314

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed

in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.7124130774081214

causal\_loss=3033.622628149829

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.4728713473737662

causal\_loss=1012.4732189217481

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.7367687521826596

causal\_loss=511.8442675641427

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.4850290563968147

causal\_loss=615.474757627119

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=4.881433684519871

causal\_loss=3753.796108319893

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed

in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.1217618557482172

causal\_loss=176.15366657244738

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3.5189905406360285

causal\_loss=1017.3136389367419

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.3932961212385042

causal\_loss=544.8401813219092

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.5530538279464658

causal\_loss=758.6820442885922

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.6856359588855057

causal\_loss=1030.467813607512

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed

in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=5.618857899971851

causal\_loss=2030.1170308755434

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.3254403357694353

causal\_loss=1681.8207544381519

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0231609670256139

causal\_loss=322.6272197215829

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.650003201938508

causal\_loss=176.49254551746574

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.312371710377615

causal\_loss=451.26564401973656

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed



in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.1514023647098166

causal\_loss=750.7990741519369

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.5049890101737033

causal\_loss=1863.8924595130923

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=5.081363206128137  
causal\_loss=3750.307908701192

-----  
Epoch 3/12, Train Loss: 12.3938, Val Loss: 15.0030  
Learning Rate: 0.031623, Batch Size: 5898

#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.3167804566768857  
causal\_loss=1719.1097879947988

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.166134788625795  
causal\_loss=231.21366947736433

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.4436053275260134

causal\_loss=109.32625932800913

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3.575995835882993

causal\_loss=2219.260290644575

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.2189136851750635

causal\_loss=583.1167401707388

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.082554798989372

causal\_loss=472.04422943831264

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.5175102130898546

causal\_loss=511.67331682866484

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.9662964224099888

causal\_loss=986.4449555027494

-----

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.9210453006303596

causal\_loss=3727.637648427918

-----

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=4.013231070449816

causal\_loss=2481.1646772000363

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0992344459551173

causal\_loss=397.6873444993313

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.426659088335623

causal\_loss=155.6976240866386

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.812301433695981

causal\_loss=2354.89854466718

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.9456838258563482

causal\_loss=1224.557626819151

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8567789197798042

causal\_loss=299.597463996173

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.1681841746712927

causal\_loss=586.6537551646516

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.9524521460620032

causal\_loss=575.1077780629344

-----  
true\_batch\_data ATEs:



'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2539881180648729

causal\_loss=1866.6358847277704

-----

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=5.065435990533828

causal\_loss=3744.2708774138273

-----

Epoch 4/12, Train Loss: 14.3887, Val Loss: 16.0351

Learning Rate: 0.017783, Batch Size: 7078

#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8014706717248387

causal\_loss=7.4039758899290815

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=4.126875500376947

causal\_loss=2288.2735970723697

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3.744155893415704

causal\_loss=1183.4354400899883

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.5721904028035625
causal_loss=459.81132084549597

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.779582190221617
causal_loss=45.1516846701773

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.7295200671182105

causal\_loss=587.0997196421039

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.676119179207624

causal\_loss=410.0673854553133

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3.363520576658315

causal\_loss=2413.8469201359903

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.847939430170565
causal_loss=2080.354071283512

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.584675397451586
causal_loss=338.5337433765524

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.725797658221393

causal\_loss=13.064959898341442

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.63575535716382

causal\_loss=1288.9111617942558

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.725840320605622

causal\_loss=229.4904567855567

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=2.201968278778244
causal_loss=685.8010559844251

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.2193268687674603
causal_loss=947.6608932269168

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3.5468321599202226

causal\_loss=3735.5199404745663

-----  
Epoch 5/12, Train Loss: 10.9293, Val Loss: 15.8407

Learning Rate: 0.010000, Batch Size: 8494

#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.1354354002408846

causal\_loss=1812.3082640230948

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.



```

value_loss=2.5552603061093913
causal_loss=451.6645634483893
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.797816084753557
causal_loss=809.4037787465928
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=2.0130980530582616
causal_loss=2418.450898776755
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.677971647694521

causal\_loss=808.8926995775405

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.9723575552873194

causal\_loss=1841.6562881812922

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=1.1100655077288957
causal_loss=344.67381593088754
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=2.8947179003659915
causal_loss=3411.646564203239
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.071510547036069
causal_loss=277.10540480416927
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.6570281559912345

causal\_loss=1328.026193517424

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.540414049759469

causal\_loss=263.6331054034428

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=2.384183749586053
causal_loss=778.2889092130702
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=2.1148549570692676
causal_loss=2112.1863623759014
-----
Epoch 6/12, Train Loss: 15.5540, Val Loss: 13.1295
Learning Rate: 0.005623, Batch Size: 10193
#####
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.8994233696620066
causal_loss=1023.5719119851841
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.7064682552635304

causal\_loss=2143.8014142468664

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.324859965475528

causal\_loss=1764.0247581649382

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.3653591006445005

causal\_loss=878.0389146585267

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.4649718954881532

causal\_loss=2464.588171854433

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.6099078142336523

causal\_loss=1904.6768630096885

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed

in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3.0605234545610953

causal\_loss=701.8185463861629

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.787594085256059

causal\_loss=473.3537704447053

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.



'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.5722421630189258

causal\_loss=1316.2935128856057

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.4422305382114993

causal\_loss=516.0258743704469

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.7575199599390534

causal\_loss=850.3803839204301

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed

```

in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=7.958000390861097
causal_loss=3718.068559667873

-----
Epoch 7/12, Train Loss: 16.2197, Val Loss: 19.1844
Learning Rate: 0.003162, Batch Size: 12232
#####
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=2.8560685486815944
causal_loss=2002.1949329631009

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.2611072024196734

causal\_loss=2279.888442767068

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.9018820013978142

causal\_loss=822.1445363556998

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2458291073037302

causal\_loss=478.66428998915944

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.083968754210725

causal\_loss=2096.0679387240243

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.0147367748412313

causal\_loss=2199.125211401405

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2291335590905503

causal\_loss=199.24826413493912

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.330494458079146

causal\_loss=1235.022557078087

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.004978575216589

causal\_loss=644.6481419058294

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.651768668012027

causal\_loss=3199.1172844559633

-----  
Epoch 8/12, Train Loss: 16.3380, Val Loss: 18.9250

Learning Rate: 0.001778, Batch Size: 14678

#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.211430717506885

causal\_loss=2224.354131063985

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.117040184155173

causal\_loss=2209.703801006267

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.6053073324299825

causal\_loss=1192.1557894006244

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.9098870922443425

causal\_loss=1276.1458943879857

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=2.015070679039353
causal_loss=2249.065370484302

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=2.9763753358774423
causal_loss=892.5086676165121

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```



'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2680943614092932

causal\_loss=1221.1712848814866

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.211679954520972

causal\_loss=925.9561320529153

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.8241300261626314

causal\_loss=2507.1300358165763

-----

Epoch 9/12, Train Loss: 18.8791, Val Loss: 17.6155  
Learning Rate: 0.001000, Batch Size: 16384  
#####  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3.4054139766239526  
causal\_loss=2621.9449726720673  
-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.3902329968055438  
causal\_loss=427.5438862508361  
-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3.061373861120534

causal\_loss=2737.9387374859252

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0461935796901076

causal\_loss=360.7761294296517

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=1.3927996335235346
causal_loss=473.4788328010637
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.9543680686609923
causal_loss=825.9506267428235
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.2640333436787035
causal_loss=1218.6547115558021
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.2106590284537955

causal\_loss=928.0728341184948

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.8181714459289546

causal\_loss=2502.986823133217

-----  
Epoch 10/12, Train Loss: 14.4545, Val Loss: 17.5967  
Learning Rate: 0.000562, Batch Size: 16384  
#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed

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in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.86671960342939
causal_loss=681.013341322983

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=2.438903380954577
causal_loss=2254.76049057805

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=3.288707207234304
causal_loss=2908.3738654270765

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.6790118314268607

causal\_loss=2327.1910508164888

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2448639377967194

causal\_loss=394.14197341670194

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.556184237363261

causal\_loss=2034.262035864969

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2657173713707774

causal\_loss=1217.0201131724168

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.2083815992513576

causal\_loss=882.043941623298

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed



in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.8201775954933077

causal\_loss=2500.925643998689

-----  
Epoch 11/12, Train Loss: 19.6786, Val Loss: 17.4314  
Learning Rate: 0.000316, Batch Size: 16384  
#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.7492519547398695

causal\_loss=2161.958446993836

-----  
true\_batch\_data ATEs:  
  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.1689323949332624

causal\_loss=89.07839008545538

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3.0986634256027017

causal\_loss=2077.075343035078

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.774656764647222

causal\_loss=2836.271999210387

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.548092659485923

causal\_loss=834.3695213321303

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.9931204404562548

causal\_loss=949.1421253974997

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2642312901304331

causal\_loss=1215.6788014351805

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.207674451270511

causal\_loss=925.2167006501045

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.817722090347387

causal\_loss=2497.7967235859246

-----  
Epoch 12/12, Train Loss: 16.9686, Val Loss: 17.5589  
Learning Rate: 0.000178, Batch Size: 16384

#####

Testing...

Final Test Metrics:

Test MSE: 0.7920

Test MAE: 0.2136

Test  $R^2$  Score: -0.0476

Training...

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=87.66861922053002

causal\_loss=48.664223831346426

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=72.63984809437635

causal\_loss=2072.215362081482

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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value\_loss=53.852166154701635

causal\_loss=2008.5495527592573

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=26.929139480885922

causal\_loss=124.04573808357345

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=7.582041757465424

causal\_loss=941.5626770083094

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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value\_loss=2.3602937837734377

causal\_loss=893.1111797805967

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=14.662145897067646

causal\_loss=66.3833065393974

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=17.590787900308268

causal\_loss=1123.7058127069006

-----

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=19.957740158744194

causal\_loss=1831.9892452722586

-----

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.



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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=6.144392871600552

causal\_loss=438.27966885667394

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=4.145699132388151

causal\_loss=2017.4827155455343

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3.371966633282457

causal\_loss=1309.0023552121359

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.727570841056117

causal\_loss=0.14535465400592368

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=6.731762037004464

causal\_loss=1599.5750253789638

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=6.4582590713979355

causal\_loss=288.4316574906686

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=8.277058000613712

causal\_loss=1495.4932123593524

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=4.642503942538352

causal\_loss=0.29251261363579983

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=5.5524016713621185

causal\_loss=321.0397799467493

-----

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.711667873244048

causal\_loss=798.0726347488987

-----

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.7085837799532906

causal\_loss=612.5196752713246

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8920626653745432

causal\_loss=163.84226592036856

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.3026196281920823

causal\_loss=0.2958582809049197

-----  
true\_batch\_data ATEs:

predict\_batch\_data ATEs:

```

value_loss=122.61454634628724
causal_loss=0.0
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=525.8583635190546
causal_loss=273.88468745904675
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=513.630091146434
causal_loss=321.37635070937046
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=512.9463986917829

causal\_loss=86.68337466284972

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=512.633578623401

causal\_loss=140.71983334988042

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=512.8546148096864
causal_loss=310.6643387581444
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=513.1549118267664
causal_loss=134.38189423440363
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=514.3547248703619
causal_loss=334.52703469744745
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```



'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=552.4952661912338

causal\_loss=174.38767825662296

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=512.9387159724654

causal\_loss=167.5131290162328

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=520.480429594909  
causal\_loss=457.1229813854122

-----  
Epoch 1/12, Train Loss: 28.8292, Val Loss: 521.5360  
Learning Rate: 0.100000, Batch Size: 4096  
#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.0271371037545096  
causal\_loss=860.3949789576237

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.1321944083569135  
causal\_loss=11.607316943155823

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.8800873800806768

causal\_loss=1070.3777710725712

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.593412100633687

causal\_loss=251.9145055195731

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3.5150752357997144

causal\_loss=43.88243911232824

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3.3648656466946436

causal\_loss=61.38513488138612

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3.6118218130589232

causal\_loss=0.0015636533147338463

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed

in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=4.3918897270658475

causal\_loss=388.17670801304837

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=5.4875471752313345

causal\_loss=466.53309789237767

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3.035047002417095

causal\_loss=234.4469521159399

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3.803813052960211

causal\_loss=116.14544676530666

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.7555198057659984

causal\_loss=1017.2589518785335

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed

in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.5431154790232753

causal\_loss=391.00323787278063

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.423440159228672

causal\_loss=462.7605096907139

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.4472220016569999

causal\_loss=158.42080472009775

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.4101757858957338

causal\_loss=382.6162437221417

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.894800544305308

causal\_loss=301.1099090005082

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed



in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.04470323903419

causal\_loss=1350.9591519825517

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.85357925421333

causal\_loss=3.10323294671402

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=93.84458532953106  
causal\_loss=641.8148345724742

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=92.85605806829429  
causal\_loss=57.58743433338233

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=93.05037122931213  
causal\_loss=4.924802764952265

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed

in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=92.92888473026049

causal\_loss=28.706238155586785

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=93.33033442634522

causal\_loss=363.350889043662

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=94.57164921290615  
causal\_loss=489.5786779328701

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=93.4290841441817  
causal\_loss=166.6570259508747

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=92.72634918014954  
causal\_loss=99.18294176648155

-----  
Epoch 2/12, Train Loss: 6.6809, Val Loss: 95.6569  
Learning Rate: 0.056234, Batch Size: 4915

#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.1617573422435516

causal\_loss=27.78605554448193

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.555442315955115

causal\_loss=1415.9276259221276

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.4907790874145828

causal\_loss=58.91772323188226

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2372998172381318

causal\_loss=483.2745997252457

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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value\_loss=1.4781157554072821

causal\_loss=261.1218915371737

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.213294559281274

causal\_loss=2225.56449370271

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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value\_loss=1.730090921418665

causal\_loss=1391.5161480952042

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.173247960963388

causal\_loss=126.00965750621454

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.660764442916593

causal\_loss=189.61841645266253

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.7935051972271618

causal\_loss=17.481718474276523

-----  
true\_batch\_data ATEs:



'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.7000782625935033

causal\_loss=96.89140611656155

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.082690391106979

causal\_loss=0.09383936991746798

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.446468867699079

causal\_loss=784.1757736544109

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0612137672379718

causal\_loss=631.3306782430034

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.320704925973791

causal\_loss=489.0705990070937

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8638943893771336

causal\_loss=14.90271676772449

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=7.96204636888794

causal\_loss=592.4785318937608

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=7.478203110086793

causal\_loss=11.33744936269587

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=7.499442479220545

causal\_loss=17.600368811222307

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=7.637778094202418

causal\_loss=335.27082100823486

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=8.994188175760097

causal\_loss=87.17057802936546

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=7.734038806176633

causal\_loss=112.08054651881174

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=7.307949614825197

causal\_loss=76.87892536547893

-----  
Epoch 3/12, Train Loss: 6.7566, Val Loss: 9.5631

Learning Rate: 0.031623, Batch Size: 5898

#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.029526284137716

causal\_loss=536.1396301001002

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.063370807428406

causal\_loss=17.843791667827965

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=2.2918580764172503
causal_loss=955.5740729595329

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.6028009126795298
causal_loss=2.6701320140084817

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.476751679454653

causal\_loss=1235.8356788213862

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8979999125593222

causal\_loss=166.19608313844088

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.9435854719680072

causal\_loss=679.032865517273



```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.0805180481065153
causal_loss=311.46306355641144

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.0947978359102477
causal_loss=598.455711918295

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.4799573474815368

causal\_loss=10.179951963027023

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.762128780402615

causal\_loss=653.86233843565

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8064535657440811

causal\_loss=268.91336704687455

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.0983607489983869
causal_loss=53.8563349655518

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.2910929970145972
causal_loss=345.27612319912964

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0522493184351303

causal\_loss=27.903456220830765

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0411659552018586

causal\_loss=32.20340655420832

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.2837566312511335

causal\_loss=182.99243318205436

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.3180630511916995
causal_loss=24.197081226684894

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.9054330674367135
causal_loss=97.98568464745983

-----
Epoch 4/12, Train Loss: 5.5022, Val Loss: 2.4996
Learning Rate: 0.017783, Batch Size: 7078
#####
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.5961110742875089

causal\_loss=163.125798057002

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.3506229824790397

causal\_loss=453.2062650456125

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=1.0672183675099889
causal_loss=53.515700428209584
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.8167917155626742
causal_loss=520.8758855779733
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.6427162104826016
causal_loss=144.71380839207382
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9765192169390076

causal\_loss=181.6071401439838

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2858314547089706

causal\_loss=526.7676242449504

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.



```

value_loss=1.012143635057598
causal_loss=987.8468362726908
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.2687560841453112
causal_loss=433.52925588262565
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.1806085495144643
causal_loss=271.9868311417083
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.5445419048215258

causal\_loss=17.011724858486968

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.6256707004580684

causal\_loss=112.63440744707779

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=0.3310504498530689
causal_loss=0.07158617618633621
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.5417883937071638
causal_loss=104.85659300635571
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.5710189672184376
causal_loss=131.75603921659126
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.27918029106222503

causal\_loss=71.67053284034236

-----  
Epoch 5/12, Train Loss: 4.5712, Val Loss: 1.5117

Learning Rate: 0.010000, Batch Size: 8494

#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.4000759505714844

causal\_loss=62.72612262816

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed

```

in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.8779547114495354
causal_loss=25.716636595233368

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.9797461727199155
causal_loss=355.93894401285763

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.8012592202729063
causal_loss=128.88506985304912

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.851412773694689

causal\_loss=19.286182408593657

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9846096122080773

causal\_loss=227.30945690417548

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8640450089777277

causal\_loss=116.5991584259291

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2122117766408371

causal\_loss=668.0101516616307

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.4022522797859172

causal\_loss=201.28187663823442

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed

in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.5552294833814935

causal\_loss=163.01506950107657

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.4149069990729439

causal\_loss=2.877064684743091

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.



'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.337953494119715

causal\_loss=135.04591542862335

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.3776165271621583

causal\_loss=62.36443163085269

-----  
Epoch 6/12, Train Loss: 3.1590, Val Loss: 1.5797

Learning Rate: 0.005623, Batch Size: 10193

#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0229794899256892

causal\_loss=359.5754469172524

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8868685705921077

causal\_loss=342.82037154166005

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.4240044184891494

causal\_loss=214.93929699132337

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.1297571580254249

causal\_loss=139.68937566376945

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2226691100117344

causal\_loss=191.27440205749932

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.5102141695719804

causal\_loss=414.2952605586597

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.13749403660482

causal\_loss=601.1717922950455

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2473300185799734

causal\_loss=63.04924780884998

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.5469083701747953

causal\_loss=152.51992703314534

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.4037182273326962

causal\_loss=77.57841384078098

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.1203635212535359

causal\_loss=58.99894496364052

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.3720854048081253

causal\_loss=180.64625337006677

-----  
Epoch 7/12, Train Loss: 4.1062, Val Loss: 1.7851

Learning Rate: 0.003162, Batch Size: 12232

#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8666853009151814

causal\_loss=333.2394548941064

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9780586656053725

causal\_loss=203.69764552845493

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8725643946311264

causal\_loss=75.78332406765801

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0561171800863962

causal\_loss=1.9414461887000858

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.7735411518272182
causal_loss=415.4881833193693

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.0276399234326934
causal_loss=250.82079359788045

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```



'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3.477541494902875

causal\_loss=76.0678821252401

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.49700448995293844

causal\_loss=146.6800691228369

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9995730456966365

causal\_loss=142.60846031307744

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.5325487150001948
causal_loss=21.619440227522656

-----
Epoch 8/12, Train Loss: 3.3746, Val Loss: 1.7127
Learning Rate: 0.001778, Batch Size: 14678
#####
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.8960934775943461
causal_loss=164.52466554992105

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.1417628737571621

causal\_loss=25.97012026467179

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.1071284164470931

causal\_loss=124.79348661783303

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=1.356527786743236
causal_loss=741.1177107565215
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.7776375028696465
causal_loss=134.4529407176271
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.9840878475814433
causal_loss=25.81527463937066
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.4588889610739094

causal\_loss=112.34843543473812

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0561251155654943

causal\_loss=98.4500245385662

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=0.22915582863367245
causal_loss=78.85756483274324
-----
Epoch 9/12, Train Loss: 3.0717, Val Loss: 1.5469
Learning Rate: 0.001000, Batch Size: 16384
#####
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.1811996929366277
causal_loss=220.14872848688947
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.2520925299569878
causal_loss=17.677688075825774
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9821896634834204

causal\_loss=83.05300359618086

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8520977310740552

causal\_loss=91.8309922186312

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2580550939418718

causal\_loss=201.10881354772397

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2099238729456185

causal\_loss=87.74278114858453

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.458526872123964

causal\_loss=140.9425731164814

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed



in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0549684136528907

causal\_loss=96.68048926434807

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.2300506958452423

causal\_loss=75.91201054578971

-----  
Epoch 10/12, Train Loss: 2.2919, Val Loss: 1.6263  
Learning Rate: 0.000562, Batch Size: 16384  
#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.6593738419668336

causal\_loss=136.12152187359524

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.7975589848898412

causal\_loss=53.18556757690602

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2941555596098904

causal\_loss=238.0891822071961

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2353147763915893

causal\_loss=61.93749859698376

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.1477738478424289

causal\_loss=229.1074036421823

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.3889652845925062

causal\_loss=107.29320594279872

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.45133024664766463

causal\_loss=93.9350283540179

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.039673581244809

causal\_loss=121.29196508873284

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.24048163774983633

causal\_loss=88.8514408998821

-----  
Epoch 11/12, Train Loss: 2.6301, Val Loss: 1.5908

Learning Rate: 0.000316, Batch Size: 16384

#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.1975816811454232

causal\_loss=42.078506910748224

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.7502552737236161

causal\_loss=209.77072546682007

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.5776570155605392

causal\_loss=309.32971608207106

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0074909481782923

causal\_loss=12.388115104370545

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.0817765086909619
causal_loss=63.63850077445433

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.9674154710629672
causal_loss=281.4356850557384

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.4532259326138379

causal\_loss=133.05294408565481

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0448155911387498

causal\_loss=79.58190744217636

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.23832990027064296

causal\_loss=85.7322203663671

-----



Epoch 12/12, Train Loss: 2.6281, Val Loss: 1.5733  
Learning Rate: 0.000178, Batch Size: 16384  
#####

Testing...

Final Test Metrics:

Test MSE: 0.2245

Test MAE: 0.1821

Test R<sup>2</sup> Score: 0.7030

Training...

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=94.73536698575708

causal\_loss=2926.3499939778494

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=83.22090840154587

causal\_loss=2.895398536724117

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=60.176156283809554
causal_loss=33.76376956605516

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
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in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=44.427496921309526
causal_loss=394.3048281787489

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=25.360433030676916

causal\_loss=462.9066891205264

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=11.541593907716857

causal\_loss=1096.451105617081

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3.164277089598055

causal\_loss=2533.411682182732

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
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predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=8.586366960201307
causal_loss=525.8720386580408

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
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in 1.8.
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predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=17.52471704280697
causal_loss=57.98101530348066

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
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in 1.8.
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in 1.8.

predict_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=19.6834737171965

causal\_loss=1535.1080401414517

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=14.910028171278757

causal\_loss=698.2710821041202

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=4.3043928094794905

causal\_loss=30.322370784504276

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
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in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=2.0917891275753115
causal_loss=2010.5976755432075

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
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in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=4.373135116072297
causal_loss=1108.1310817654507

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=6.357611208292747

causal\_loss=704.6241241421681

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=7.327203640930084

causal\_loss=786.3416311529605

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=11.143405973680284

causal\_loss=220.0979139476669

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=7.284645565575113
causal_loss=22.677645374291874

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=7.003575766570322
causal_loss=1.1931957581746333

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```



'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3.9638331080192595

causal\_loss=174.91324564673474

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.035177679976088

causal\_loss=1.493494011364504

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.705370385136469

causal\_loss=9.35023348544473

-----

```

true_batch_data ATEs:
predict_batch_data ATEs:
value_loss=100.82732326220663
causal_loss=0.0

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=11.4086675865506
causal_loss=123.49601683741639

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=2.1150498858822866
causal_loss=111.3412692740336

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed

```

in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3.816725770466091

causal\_loss=646.0188546312802

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=4.300748140556955

causal\_loss=1642.7671109279463

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=6.039499458200909

causal\_loss=586.3431837538579

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=21.157298206946827

causal\_loss=1013.3139736013459

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.2437465823963723

causal\_loss=53.82011196171998

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.7826055912640126

causal\_loss=143.5094100895631

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=4.271808915510823

causal\_loss=157.35733980425647

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=44.88737195910329

causal\_loss=1219.6324636825439

-----  
Epoch 1/12, Train Loss: 30.1791, Val Loss: 16.0000

Learning Rate: 0.100000, Batch Size: 4096

#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8628496762993709

causal\_loss=4.063775911898447

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.8572587215284744

causal\_loss=216.18374306027775

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.607629778214406

causal\_loss=208.17798246991273

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.277581082214298

causal\_loss=55.6217181789454

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.0152948928181975

causal\_loss=54.05322342488504

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.3494985439073388

causal\_loss=557.6841629400647

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3.351781456809057

causal\_loss=1107.634255272336

-----  
true\_batch\_data ATEs:



'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3.364282262858848

causal\_loss=1575.3091754307136

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3.3289172208279822

causal\_loss=420.03401511400216

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.105784313034628

causal\_loss=231.4438322304121

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.27790201182881

causal\_loss=336.68059826393

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.5999609345751302

causal\_loss=229.38439661386565

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.6948675825872275

causal\_loss=85.20380936829869

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.3314028809564067

causal\_loss=149.90388510145493

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.9690886186748093

causal\_loss=933.0151770335308

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9761679787883019

causal\_loss=80.68806700203541

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.7258952071370928

causal\_loss=0.1325570176457387

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.7176148342260147

causal\_loss=409.30245601156463

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8805694527823539

causal\_loss=0.44515153860776224

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=36.02456735015631

causal\_loss=51.24936947678113

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=35.46831248062176

causal\_loss=294.47361378381544

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=35.785386723684006

causal\_loss=1299.8371764786084

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=36.648503085883014

causal\_loss=408.58924705928126

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=37.39292086190804

causal\_loss=693.4905264123888

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=34.8203855081335

causal\_loss=93.14746723266181

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=35.10718912371052

causal\_loss=88.63971847485044

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=38.66111077860942

causal\_loss=56.43281995855708

-----  
Epoch 2/12, Train Loss: 5.3076, Val Loss: 39.9709  
Learning Rate: 0.056234, Batch Size: 4915



#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.6946750116646229

causal\_loss=15.656186003691673

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.3140879761413051

causal\_loss=248.77149832973024

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2822909704702807

causal\_loss=259.19042507720684

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0374712544916578

causal\_loss=27.444329714740697

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.1501255236925483

causal\_loss=181.03091632060307

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
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in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.470682398190103
causal_loss=554.1122483615073

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=2.0918912949553192
causal_loss=8.166031207751256

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.0233560173516008

causal\_loss=998.7236320181294

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.5041703678234801

causal\_loss=107.29274615077017

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.226730435576452

causal\_loss=581.3751447968257

```

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true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.8183590724521917
causal_loss=319.986820775455

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
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in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.2410362283917942
causal_loss=240.99908429553093

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
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in 1.8.

predict_batch_data ATEs:

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0562334503202269

causal\_loss=369.75245459255876

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.1021219651537013

causal\_loss=389.4369794838065

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.623153334065676

causal\_loss=1778.1190137611575

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-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.6638953335384438
causal_loss=73.63877018183858

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=12.80782183874673
causal_loss=13.17349304088817

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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in 1.8.
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in 1.8.

predict_batch_data ATEs:

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=12.93484463662526

causal\_loss=219.47924168760164

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=13.101492376451487

causal\_loss=117.41783901076137

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=14.698933851135559

causal\_loss=1059.765268396348



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-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=12.418877644841208
causal_loss=11.211345946359442

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
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predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=12.503610438779246
causal_loss=64.72342837506396

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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in 1.8.

predict_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=15.527777085998718

causal\_loss=68.63886393907059

-----  
Epoch 3/12, Train Loss: 5.1148, Val Loss: 15.6482

Learning Rate: 0.031623, Batch Size: 5898

#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.5547879633463482

causal\_loss=0.6903588276296844

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=0.9215095918383255
causal_loss=29.922933837292177
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.9460624887395693
causal_loss=2.160317199393728
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.9485805425740927
causal_loss=356.44978803652015
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2440939829707622

causal\_loss=447.54375363788176

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.3792023457932763

causal\_loss=942.631813734981

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=0.8087356618835936
causal_loss=56.73337563677357
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.5209975810678655
causal_loss=115.02161960583528
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.9318271634569031
causal_loss=88.19436005156102
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.482917737194787

causal\_loss=393.5765643258777

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.4606443008170997

causal\_loss=772.3245669374206

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=1.2620213975784518
causal_loss=410.8869538507645
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.3177147644008371
causal_loss=716.2889721557631
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=2.7361619086279467
causal_loss=60.674823233171026
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3.859480310857099

causal\_loss=617.6771936212518

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=4.023668701916047

causal\_loss=441.84695594766504

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.



```

value_loss=3.0563239287679553
causal_loss=460.5460762669179
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=2.879320690839886
causal_loss=86.11652248958411
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=4.634964702989698
causal_loss=99.16866741054692
-----
Epoch 4/12, Train Loss: 4.5464, Val Loss: 6.4750
Learning Rate: 0.017783, Batch Size: 7078
#####
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.7347336550009914

causal\_loss=138.88516171141933

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.1369590861081864

causal\_loss=13.196673537677645

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.219657097902551

causal\_loss=124.09226613095153

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0435005189609874

causal\_loss=101.89863540505522

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9384305928237048

causal\_loss=498.5563684141266

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed

in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.1628042112979156

causal\_loss=357.051518113575

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.715420288096651

causal\_loss=115.31443167416549

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.6360366490453935

causal\_loss=182.58683845009065

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.6732369340731459

causal\_loss=470.87705961210816

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.3627544872840072

causal\_loss=52.48295506835775

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed

in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.7940871574344953

causal\_loss=78.08239077749596

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.1004311176167088

causal\_loss=9.877432013214218

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.001674285386427

causal\_loss=405.6576455892656

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.2663911429736214

causal\_loss=124.97476874260114

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.1616847683658467

causal\_loss=29.12230810497348

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed

in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.34474060084593

causal\_loss=22.5642158099708

-----  
Epoch 5/12, Train Loss: 3.1589, Val Loss: 2.9594

Learning Rate: 0.010000, Batch Size: 8494

#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.7801054159781924

causal\_loss=21.08263230612866

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.



'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9689451333078917

causal\_loss=5.925682953411386

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.3887529035158326

causal\_loss=281.58269835312046

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9704516877491498

causal\_loss=395.2285044876304

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.1407669612857596

causal\_loss=645.4375304993861

-----

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9969313553715229

causal\_loss=402.24564971875714

-----

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2572546202270634

causal\_loss=215.29533419930945

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9550186755929698

causal\_loss=53.728400835596204

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.5685836620765897

causal\_loss=70.61225466881214

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.5355258694406536

causal\_loss=157.87229580625933

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.533438295191094

causal\_loss=221.46710985772586

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.4225025848753977

causal\_loss=330.3946951416273

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.1461349185520366

causal\_loss=83.55155415581888

-----  
Epoch 6/12, Train Loss: 3.4376, Val Loss: 2.8926  
Learning Rate: 0.005623, Batch Size: 10193  
#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0281597513191927

causal\_loss=2.7496098933681616

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.073880282684548
causal_loss=553.0509347089137

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.8390712907656592
causal_loss=80.88435358665164

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.7782707284907817

causal\_loss=63.87520848684219

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0298608996103702

causal\_loss=60.33958845823124

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0662352152291432

causal\_loss=3.219675937538753

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.4251282134086065
causal_loss=10.224330624066909

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=2.6000397065053336
causal_loss=1024.0713118282242

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```



'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.5263041841990421

causal\_loss=147.26363245726048

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.3863263340676744

causal\_loss=393.29653449351883

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.7162722693963001

causal\_loss=29.595977191058942

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8496134538637633

causal\_loss=4.084877985398358

-----  
Epoch 7/12, Train Loss: 3.4781, Val Loss: 2.3052

Learning Rate: 0.003162, Batch Size: 12232

#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.1037676861680996

causal\_loss=253.4813701237763

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.7223450001833891

causal\_loss=4.091615939187543

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2649476313676584

causal\_loss=277.8289785861814

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=0.9270759460289739
causal_loss=3.6717125457066557
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.4034245354845052
causal_loss=228.12167381609552
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.5415937645073623
causal_loss=419.9223969805078
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.5578302097314863

causal\_loss=180.89177464594977

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.7124871649238588

causal\_loss=278.3864014780624

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=0.9792690076372549
causal_loss=85.67775920817314
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.0051991212661622
causal_loss=23.494299195640036
-----
Epoch 8/12, Train Loss: 3.0287, Val Loss: 2.1908
Learning Rate: 0.001778, Batch Size: 14678
#####
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.9441501733446642
causal_loss=76.01103053746817
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.4168862544334608

causal\_loss=372.82986262111194

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.7532899001290007

causal\_loss=51.14269328154312

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.7517704477317759

causal\_loss=317.187368673215

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.50856386334551

causal\_loss=472.07444541806956

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8455710729152365

causal\_loss=167.3810342601528

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed



in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.6248737631710533

causal\_loss=235.65969248512954

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9115884569108147

causal\_loss=69.80112393629287

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.3862942299272736

causal\_loss=33.524644604079164

-----  
Epoch 9/12, Train Loss: 3.4644, Val Loss: 2.1042

Learning Rate: 0.001000, Batch Size: 16384

#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.5163440691357102

causal\_loss=408.66505965668733

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9726547114280512

causal\_loss=44.606393178851505

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.156016177607746

causal\_loss=12.606066303282596

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2695880755632294

causal\_loss=270.9485696374655

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.212750571509807

causal\_loss=314.6837390456609

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.818558946910519

causal\_loss=542.2182922243106

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.5998291334493951

causal\_loss=204.74839774164514

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8905883689740587

causal\_loss=72.2185570505108

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.3639642269560366

causal\_loss=27.066415950181526

-----  
Epoch 10/12, Train Loss: 3.8139, Val Loss: 1.9649

Learning Rate: 0.000562, Batch Size: 16384

#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.142000620686967

causal\_loss=953.212518883942

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.6484718396904571

causal\_loss=60.371929577888956

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.3870557778064485

causal\_loss=17.172264855966276

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.04158712184672
causal_loss=496.1419416905137

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.5522334981482366
causal_loss=155.12119121868025

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.010082429209613

causal\_loss=565.615294166826

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.6035926258710097

causal\_loss=206.9700076590268

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.893661556783933

causal\_loss=31.769956358190903



```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.3657105061122754
causal_loss=27.37626412906954

-----
Epoch 11/12, Train Loss: 4.8763, Val Loss: 1.8414
Learning Rate: 0.000316, Batch Size: 16384
#####
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.7718479077127484
causal_loss=155.74602784495633

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.3024196819214326

causal\_loss=190.81502546398343

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.041973951646309

causal\_loss=360.18923750705045

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=1.2542253254870235
causal_loss=340.32925078103347
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.0737774286432873
causal_loss=30.060295096124904
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.644185902320777
causal_loss=2.874212396946819
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.5788737511770645

causal\_loss=175.36990978295015

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8721122101857424

causal\_loss=55.31622320962015

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.34152518824175  
causal\_loss=27.64019854998985

-----  
Epoch 12/12, Train Loss: 2.8148, Val Loss: 1.7919  
Learning Rate: 0.000178, Batch Size: 16384  
#####  
Testing...

Final Test Metrics:  
Test MSE: 0.2410  
Test MAE: 0.2204  
Test R<sup>2</sup> Score: 0.6813

Training...

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=91.23490999241972  
causal\_loss=2168.2033139786977

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

in 1.8.

value_loss=82.10688294507267
causal_loss=2738.1400992274976

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
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in 1.8.
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in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=53.641228054024424
causal_loss=1917.0334704701136

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
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in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=27.816391566996995
causal_loss=375.0912013078807

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=15.082195793903544

causal\_loss=2658.2377703029806

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.5884231860848081

causal\_loss=24.45460571473214

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=8.612371383944584
causal_loss=2074.626407008869
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=17.894922754517587
causal_loss=16.76228480876845
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=25.533485569692424
causal_loss=92.38533207556942
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```



'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=13.729916473717706

causal\_loss=4.502631488449802

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.5796454581338213

causal\_loss=72.92322462146196

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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```

value_loss=1.2253427480786991
causal_loss=100.89958735244159
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=4.843652767060403
causal_loss=73.66806302142864
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=6.99810484558109
causal_loss=24.163319184076588
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
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in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=8.86485565473922

causal\_loss=117.52345837539869

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=11.785770545977066

causal\_loss=33.18098811280648

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=7.954620175962617
causal_loss=66.07431450069352
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
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in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
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in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=4.874774543371551
causal_loss=745.1034036023315
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
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predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=2.408647811271141
causal_loss=617.6653691169372
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.6711801384417178

causal\_loss=602.7590924211132

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=4.04431381411425

causal\_loss=397.2665476944154

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=1.342531853238316
causal_loss=8.047917903532847

-----
true_batch_data ATEs:
predict_batch_data ATEs:
value_loss=81.7623970565847
causal_loss=0.0

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=607.4667583616563
causal_loss=224.27320314032184

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=606.2678138028277
causal_loss=300.543745463963

-----
true_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=609.2553511159999

causal\_loss=237.99297009585788

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=611.3974248385007

causal\_loss=821.340564879908

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=609.7925180377581

causal\_loss=260.15462430388214

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=607.2229925339633

causal\_loss=637.515086324925

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=606.6353694915356

causal\_loss=754.1546229553929

-----  
true\_batch\_data ATEs:



'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=616.9957110582188

causal\_loss=323.3561967686707

-----

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=606.1712679812522

causal\_loss=430.509764052317

-----

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=606.2922793488168

causal\_loss=198.9950242933238

-----  
Epoch 1/12, Train Loss: 27.2993, Val Loss: 612.9386

Learning Rate: 0.100000, Batch Size: 4096

#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3.000138293641683

causal\_loss=618.5835874288564

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.9368647681361715

causal\_loss=23.22606686969187

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.1028663872642763
causal_loss=611.7360527134432

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.8007839843331682
causal_loss=428.4802807901938

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.804952460629057

causal\_loss=237.15347415066677

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.9967771565084838

causal\_loss=2.408917116984062

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.787100340102484

causal\_loss=1024.5808723354176

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=3.3379343217036457
causal_loss=241.29667989163923

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.90464317271193
causal_loss=92.1000207896214

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3.2795568801127306

causal\_loss=167.09857537523416

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.2287973804994974

causal\_loss=102.35655519144768

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.483902609373733

causal\_loss=724.2275292778969

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=3.7736518770041667
causal_loss=812.3274606849945

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.6783077524110713
causal_loss=58.17991587488218

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.3925929576051768

causal\_loss=505.87917589962035

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.1770674459425066

causal\_loss=1087.4208860332694

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.6332026020469608

causal\_loss=233.45004909837252



```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=2.1275475026989916
causal_loss=693.064668860348

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=4.840763295567925
causal_loss=348.59596639362127

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.915606275241503

causal\_loss=264.2826184562087

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3.1340434710302323

causal\_loss=1169.1426891890203

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3.7768996674835122

causal\_loss=143.34708962749903

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=3.873919710843939
causal_loss=80.5045020077497

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=3.316404498228317
causal_loss=84.65416930703587

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.742294342761422

causal\_loss=767.8463467495743

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=3.0829775473228342

causal\_loss=144.3281674510941

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.123635505509118

causal\_loss=77.99918126257624

-----

Epoch 2/12, Train Loss: 6.5478, Val Loss: 6.5359  
Learning Rate: 0.056234, Batch Size: 4915  
#####  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.475119021298367  
causal\_loss=347.3060894291523  
-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2709027027826287  
causal\_loss=474.3330682866919  
-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9619602375923482

causal\_loss=35.343819002545416

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.655297105189394

causal\_loss=609.7860011668752

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=1.2430494065654512
causal_loss=243.49456785210435
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.0972076967270692
causal_loss=426.7375259370188
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.3022268340276726
causal_loss=1320.2320007757364
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.6912247191895033

causal\_loss=1407.1247445190286

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.3744604280003316

causal\_loss=67.00433912801188

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.



```

value_loss=1.1733883846160327
causal_loss=638.23401266612
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.404896781242327
causal_loss=392.876383254255
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.2144669357168145
causal_loss=451.68683821003214
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9354233777233211

causal\_loss=640.2312444154843

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.46361790469866637

causal\_loss=3.844715550985873

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=0.9515957891703494
causal_loss=142.24258868826442
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
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in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.8324200160002682
causal_loss=2176.391848335759
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.7804835918733477
causal_loss=271.67558472924094
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2141859627033005

causal\_loss=324.0600175233515

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.9444782641290492

causal\_loss=262.78004187385926

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=1.4388909596723902
causal_loss=158.4620751885566
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.6036969434297362
causal_loss=705.4243783630296
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.42956879607964443
causal_loss=135.04579877338324
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.15715359173725438

causal\_loss=60.68870596132759

-----  
Epoch 3/12, Train Loss: 7.1760, Val Loss: 3.6785

Learning Rate: 0.031623, Batch Size: 5898

#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8700917277733126

causal\_loss=29.75631260821333

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed

```

in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.922695444220945
causal_loss=296.93977165183406

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.9938857902693568
causal_loss=17.671005211072245

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.7106988405481245
causal_loss=15.71578624430795

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.9032401933861693

causal\_loss=761.1957133007468

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.4438162740116498

causal\_loss=834.0829698612503

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.



'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.5975612141591827

causal\_loss=80.76925634654648

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.824070822031296

causal\_loss=612.8586994709256

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.000141762684075

causal\_loss=1472.5891907244384

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed

in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.1532490650918266

causal\_loss=8.401405574740869

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.6699128410822935

causal\_loss=30.14852098205184

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.1363048836589205

causal\_loss=137.820044078446

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

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'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8750343298202199

causal\_loss=317.2807595058128

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8376496323522068

causal\_loss=293.78589815617266

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed

in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.8449738240613722

causal\_loss=234.96895558790087

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.232681394190338

causal\_loss=97.72718798838929

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.480519591175745  
causal\_loss=969.9074493912274

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.47074957339609413  
causal\_loss=69.5707933181671

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.21296680196932724  
causal\_loss=88.42629493058209

-----  
Epoch 4/12, Train Loss: 4.8656, Val Loss: 3.9372  
Learning Rate: 0.017783, Batch Size: 7078

#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0281929181829768

causal\_loss=74.91767485044609

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.376847038176521

causal\_loss=8.656711817929693

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.1521432685753856

causal\_loss=247.11386564706473

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.6819101875152552

causal\_loss=126.1524807776692

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0555005041803167

causal\_loss=542.4100541677817

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8863520161994376

causal\_loss=108.68138304679216

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9341580941828528

causal\_loss=166.24912255700022

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.



'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8535616682975334

causal\_loss=68.59021921507914

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.7652139561395104

causal\_loss=57.666628806620494

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9430954147087757

causal\_loss=309.10175829447877

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0607730621467577

causal\_loss=113.74246082152301

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.6630070718416377

causal\_loss=103.93851945006672

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.882533834298666

causal\_loss=146.20833346814607

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0591242917683978

causal\_loss=33.498532973284995

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.6230041190543075

causal\_loss=494.1195942492032

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.15966089295646002

causal\_loss=21.69533236459237

-----  
Epoch 5/12, Train Loss: 2.7246, Val Loss: 2.4764

Learning Rate: 0.010000, Batch Size: 8494

#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8155824007801818

causal\_loss=71.9343506967818

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.7244750753147717

causal\_loss=32.83321758662369

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.3723440404306153

causal\_loss=330.2652702012605

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.1806901530716198

causal\_loss=398.76170664631036

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.721788578196407
causal_loss=18.605966813076996

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.0287096822208222
causal_loss=310.64602427515314

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.219582678882368

causal\_loss=775.8042051863036

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.5374121081098708

causal\_loss=26.63371351150828

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2716173370952828

causal\_loss=67.45759366069989

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.8998236539956564
causal_loss=553.2930317427074

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.240490510674934
causal_loss=50.635581068739846

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```



'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8293944872820961

causal\_loss=498.41505444441657

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.34779974491922927

causal\_loss=144.5164265040711

-----  
Epoch 6/12, Train Loss: 3.4668, Val Loss: 3.9465

Learning Rate: 0.005623, Batch Size: 10193

#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=1.0367893054965571
causal_loss=149.02975830043158
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.494204466949287
causal_loss=17.829203032013393
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.0099146747739876
causal_loss=48.77834205603724
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9670042118308959

causal\_loss=134.28280497920542

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0881128003409086

causal\_loss=50.31334918739967

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=1.5680527529351256
causal_loss=122.44189181711533
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.837064800665995
causal_loss=223.54978915807968
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.274670018759997
causal_loss=436.9782926693103
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0326752877146608

causal\_loss=185.30862244162253

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2075976479582238

causal\_loss=44.51687115432682

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=0.3760666112219536
causal_loss=322.53738834009386
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.16900696090613845
causal_loss=14.075994270719423
-----
Epoch 7/12, Train Loss: 2.6385, Val Loss: 2.1124
Learning Rate: 0.003162, Batch Size: 12232
#####
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.084071631367564
causal_loss=71.427848204358
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8756317462282122

causal\_loss=19.153226725733226

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.3249316975293461

causal\_loss=396.00528197685776

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0835167279779612

causal\_loss=463.07383067036955

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.7387779790914074

causal\_loss=101.81623123801123

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0833216534931627

causal\_loss=70.30964041951651

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed



in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=2.3160946795015587

causal\_loss=45.73699121705031

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9463943865203762

causal\_loss=105.22983728277504

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0067360781667765  
causal\_loss=328.5628848745746

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.30497429505933904  
causal\_loss=149.9836389861224

-----  
Epoch 8/12, Train Loss: 2.8831, Val Loss: 2.6986

Learning Rate: 0.001778, Batch Size: 14678

#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2648444386498077  
causal\_loss=102.67581774597129

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9612686441938743

causal\_loss=26.532364676404917

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.1203977703945904

causal\_loss=66.03433931652296

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9419498388072403

causal\_loss=132.93179938037275

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2225429180349976

causal\_loss=47.109038401275455

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8263122655509791

causal\_loss=183.70755829244305

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8975865774340586

causal\_loss=80.62822121658729

-----

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.0011660637040172

causal\_loss=404.781960951129

-----

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.1414195927167231

causal\_loss=2.5550559216028454

-----  
Epoch 9/12, Train Loss: 1.9879, Val Loss: 2.3066

Learning Rate: 0.001000, Batch Size: 16384

#####

true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.200044936222409

causal\_loss=170.8842556155205

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.7978398015059487

causal\_loss=114.7557119535998

```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.0686823555169391
causal_loss=387.17837850160294

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.2519583720969467
causal_loss=102.00309412862465

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9058700733112672

causal\_loss=108.18408482495438

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.1771180018265863

causal\_loss=21.091240380407857

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8915576046894235

causal\_loss=78.73669496809265



```

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.9926812567397402
causal_loss=333.7538353593911

-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.14050451415405005
causal_loss=2.9018776330742404

-----
Epoch 10/12, Train Loss: 2.5737, Val Loss: 2.0596
Learning Rate: 0.000562, Batch Size: 16384
#####
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.7744299851716472

causal\_loss=148.61198483625546

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.8789434160366296

causal\_loss=252.63326842938395

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=1.1117064435266575
causal_loss=83.0601237359999
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.1404091028510401
causal_loss=337.85818496685965
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.8970132255831404
causal_loss=50.11691470294294
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9298259411313645

causal\_loss=49.11150743984478

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8552540093753771

causal\_loss=59.9284250472019

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

```

value_loss=0.9532644042524671
causal_loss=317.8080232784507
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=0.13599707054926213
causal_loss=9.06443498248088
-----
Epoch 11/12, Train Loss: 2.6577, Val Loss: 1.9375
Learning Rate: 0.000316, Batch Size: 16384
#####
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

predict_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.
'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

value_loss=1.2557143234637231
causal_loss=169.25986381059343
-----
true_batch_data ATEs:

'force_all_finite' was renamed to 'ensure_all_finite' in 1.6 and will be removed
in 1.8.

```

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.845760272298976

causal\_loss=137.12236351505436

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.2257198918723917

causal\_loss=304.86684850235855

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8552411921157291

causal\_loss=166.5388214562268

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=1.3892913374871778

causal\_loss=577.877320304863

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.797700533074719

causal\_loss=239.57079704422407

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed

in 1.8.  
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.8683689514070038

causal\_loss=65.91103517403066

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

value\_loss=0.9710344266601986

causal\_loss=344.54058587952403

-----  
true\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

predict\_batch\_data ATEs:

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.



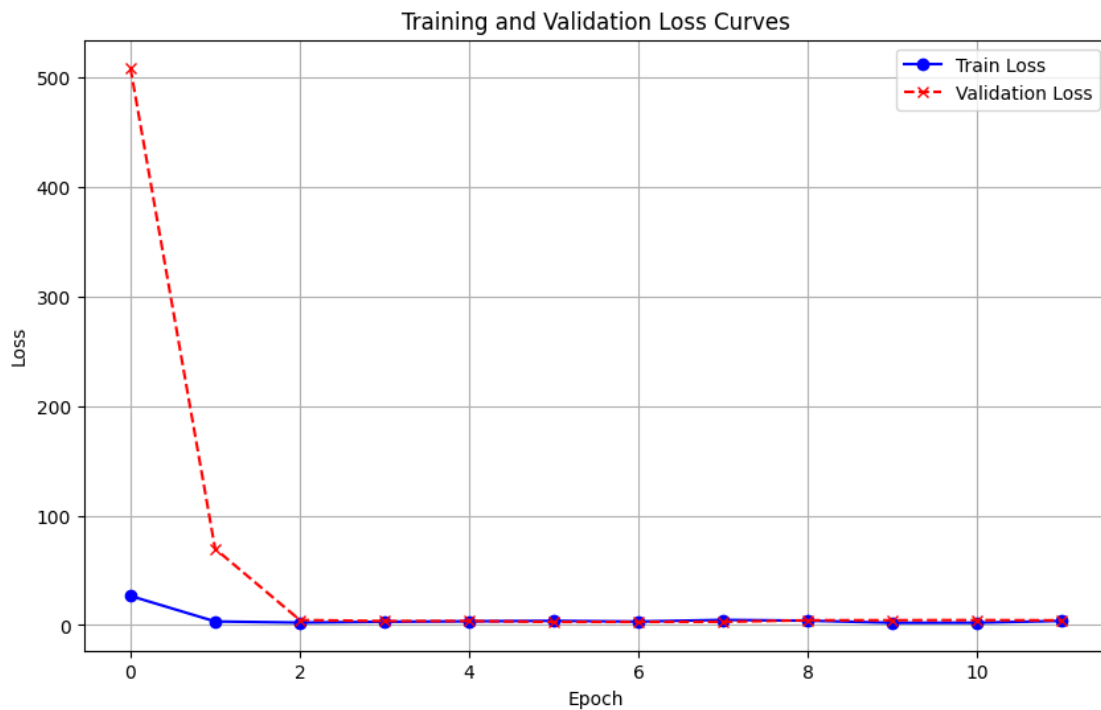
'force\_all\_finite' was renamed to 'ensure\_all\_finite' in 1.6 and will be removed in 1.8.

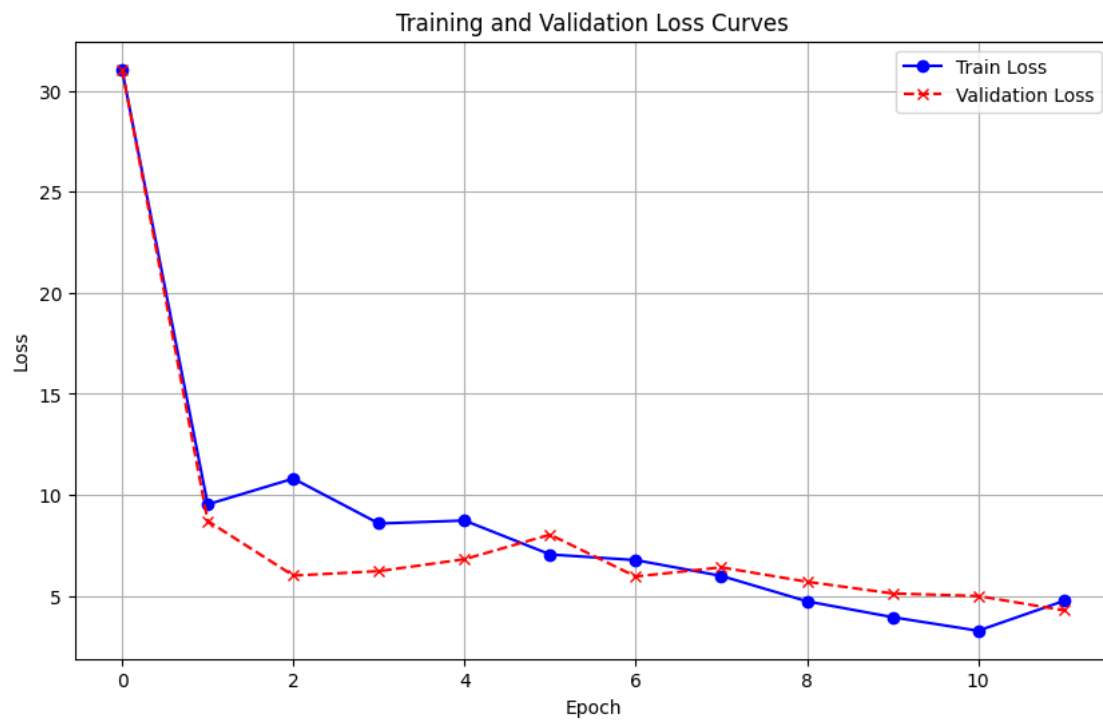
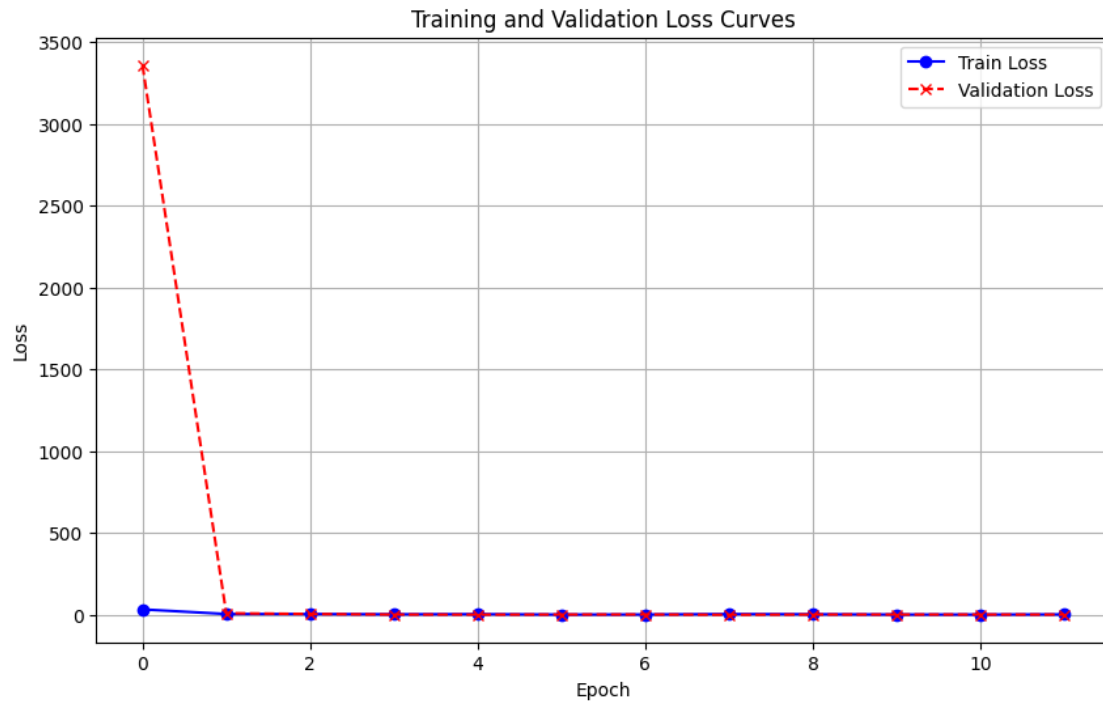
value\_loss=0.133236182487071  
causal\_loss=6.456932494816688

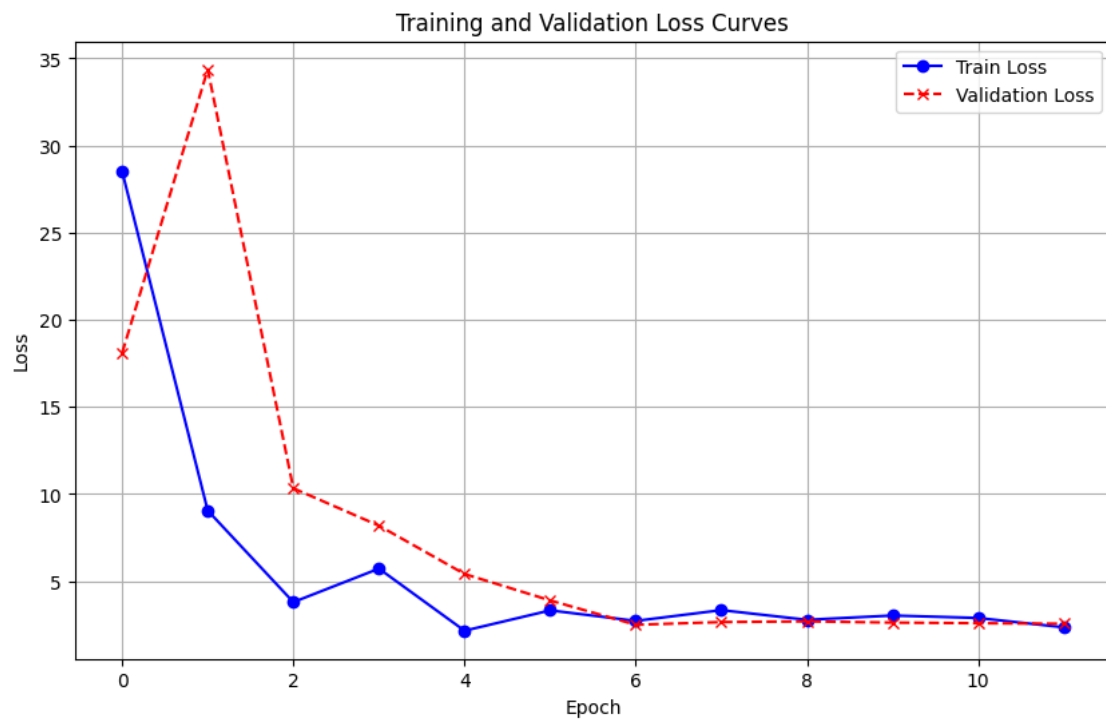
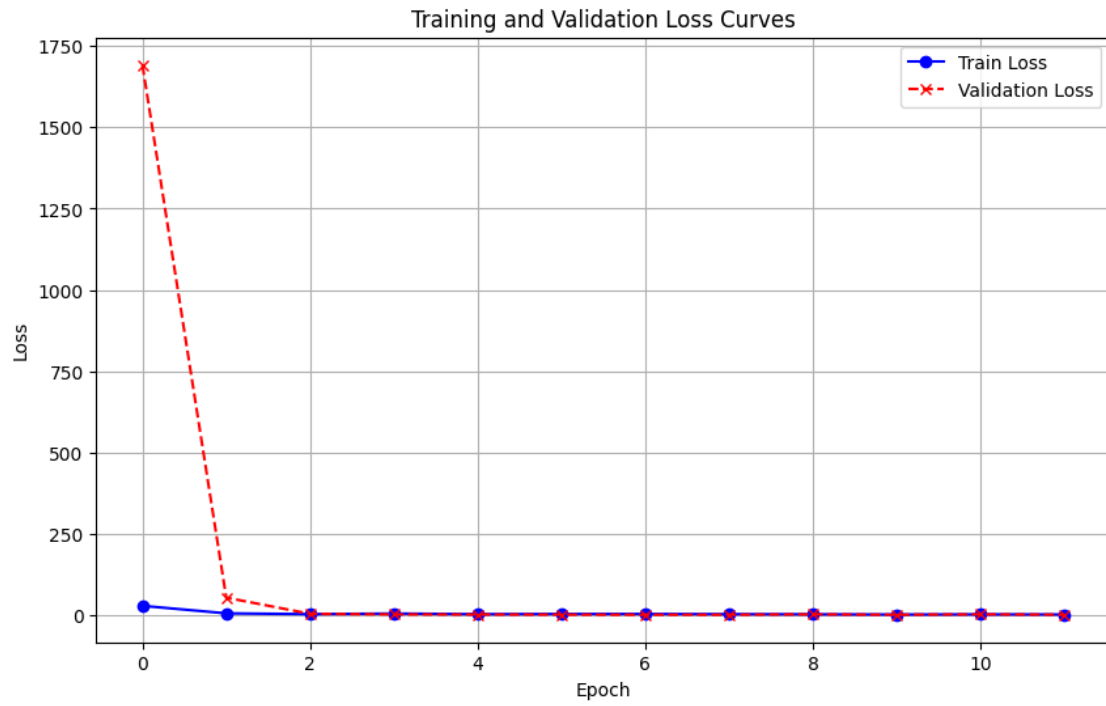
-----  
Epoch 12/12, Train Loss: 3.7203, Val Loss: 2.0472  
Learning Rate: 0.000178, Batch Size: 16384  
#####  
Testing...

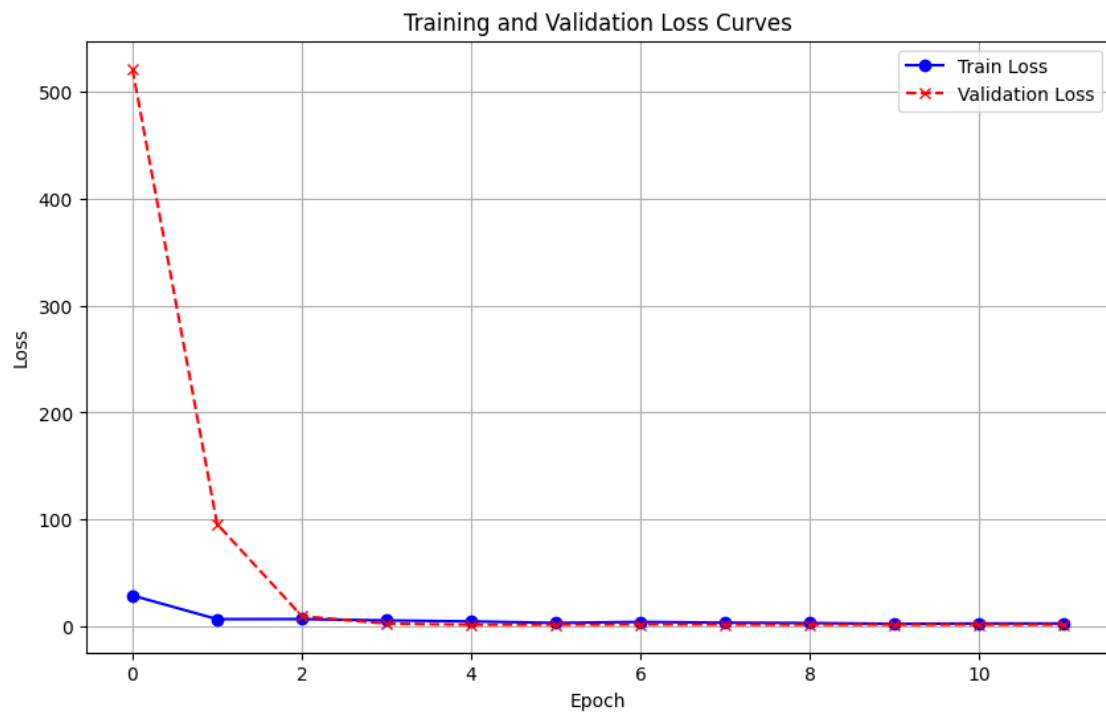
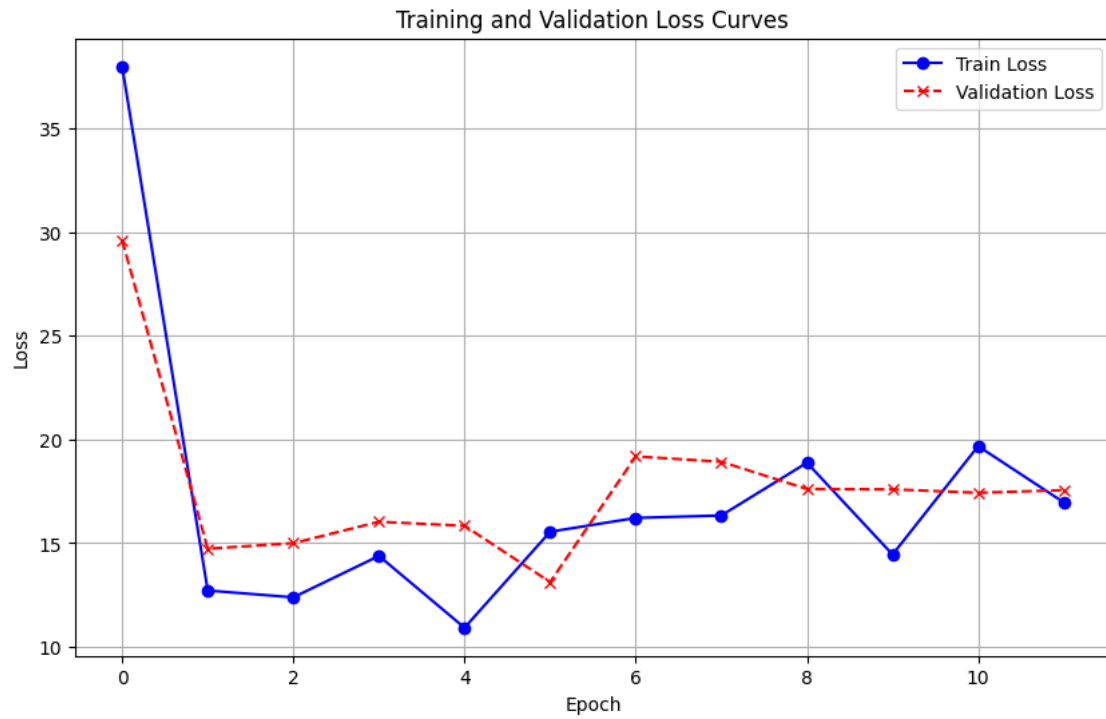
Final Test Metrics:  
Test MSE: 0.2598  
Test MAE: 0.2435  
Test  $R^2$  Score: 0.6564

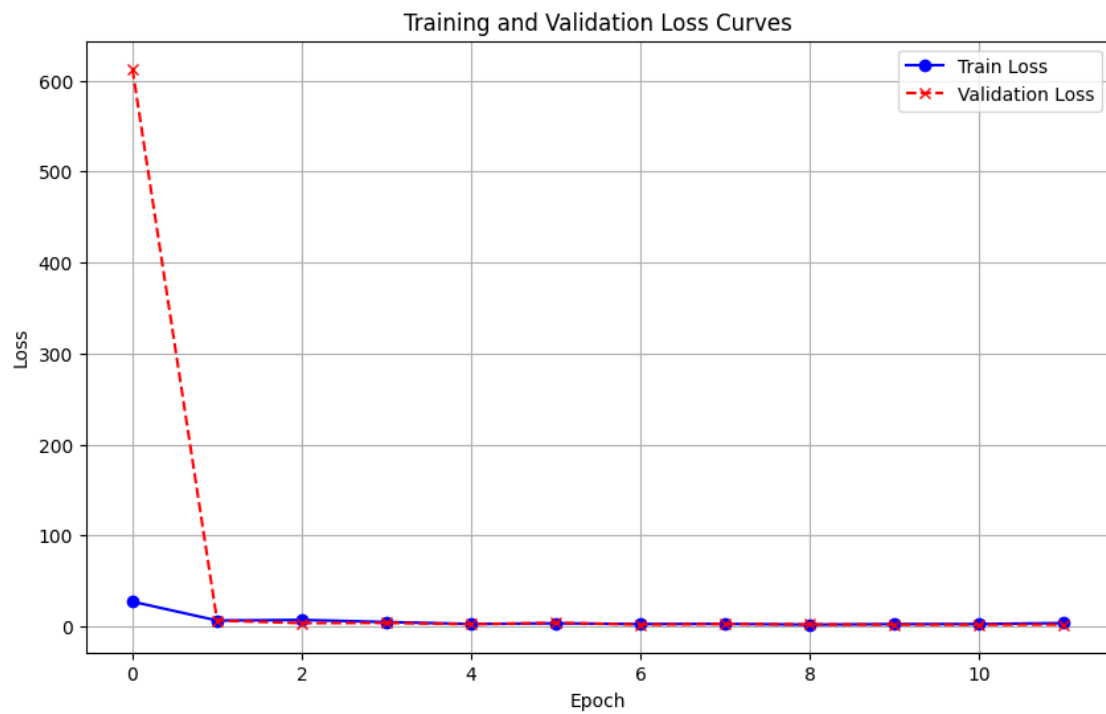
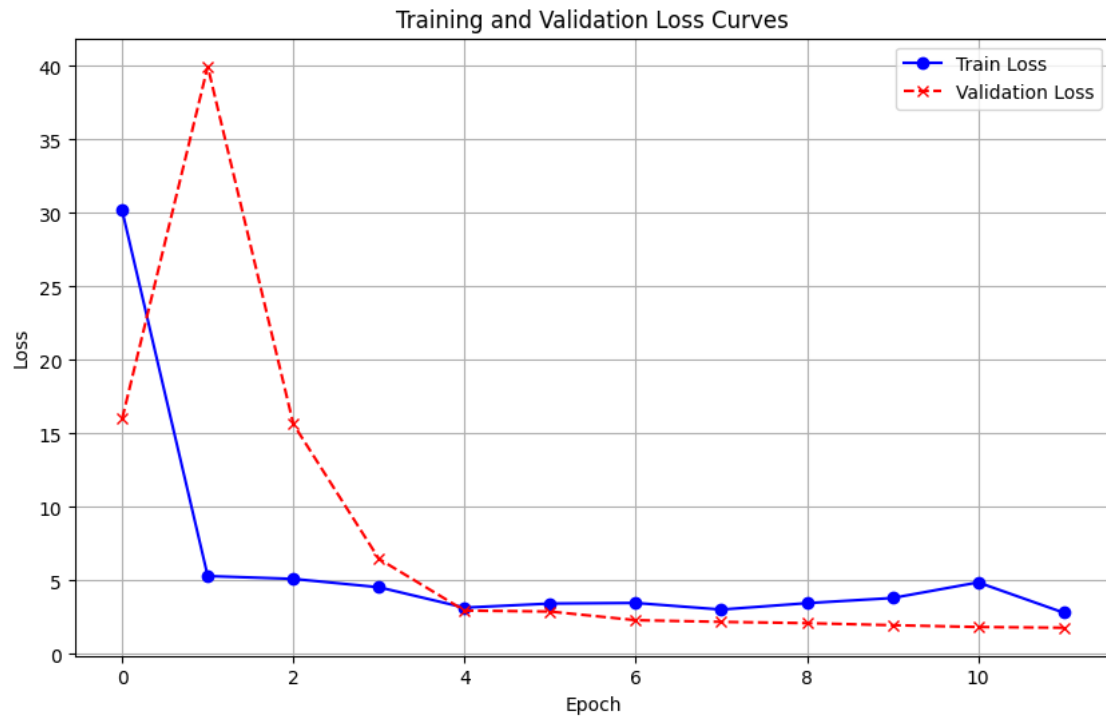
MSE=0.3033345709308796,var[MSE]=0.03002121741723602  
MAE=0.1897254759582727,var[MAE]=0.0011710684022417592  
R2s=0.5987808709317313,var[R2s]=0.05252278452667296











```
[ ]: # Evaluate the model
print("Testing...")
predict(model, test_data)

print("Testing")
```