ce-production-analysis-in-sumatera

March 17, 2025

[1]:
```python
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns
from scipy import stats
```

[2]:
```python
df = pd.read_csv('Data_Tanaman_Padi_Sumatera_version_1.csv',␣
 ↪encoding='UTF-8-SIG')
```

[3]:
```python
df.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 224 entries, 0 to 223
Data columns (total 7 columns):
 #   Column          Non-Null Count  Dtype
---  ------          --------------  -----
 0   Provinsi        224 non-null    object
 1   Tahun           224 non-null    int64
 2   Produksi        224 non-null    float64
 3   Luas Panen      224 non-null    float64
 4   Curah hujan     224 non-null    float64
 5   Kelembapan      224 non-null    float64
 6   Suhu rata-rata  224 non-null    float64
dtypes: float64(5), int64(1), object(1)
memory usage: 12.4+ KB
```

[4]:
```python
df.head()
```

[4]:
```
  Provinsi  Tahun   Produksi  Luas Panen  Curah hujan  Kelembapan  \
0     Aceh   1993  1329536.0    323589.0       1627.0       82.00
1     Aceh   1994  1299699.0    329041.0       1521.0       82.12
2     Aceh   1995  1382905.0    339253.0       1476.0       82.72
3     Aceh   1996  1419128.0    348223.0       1557.0       83.00
4     Aceh   1997  1368074.0    337561.0       1339.0       82.46

   Suhu rata-rata
0           26.06
1           26.92
```

```
2          26.27
3          26.08
4          26.31
```

[5]:
```
df.describe()
```

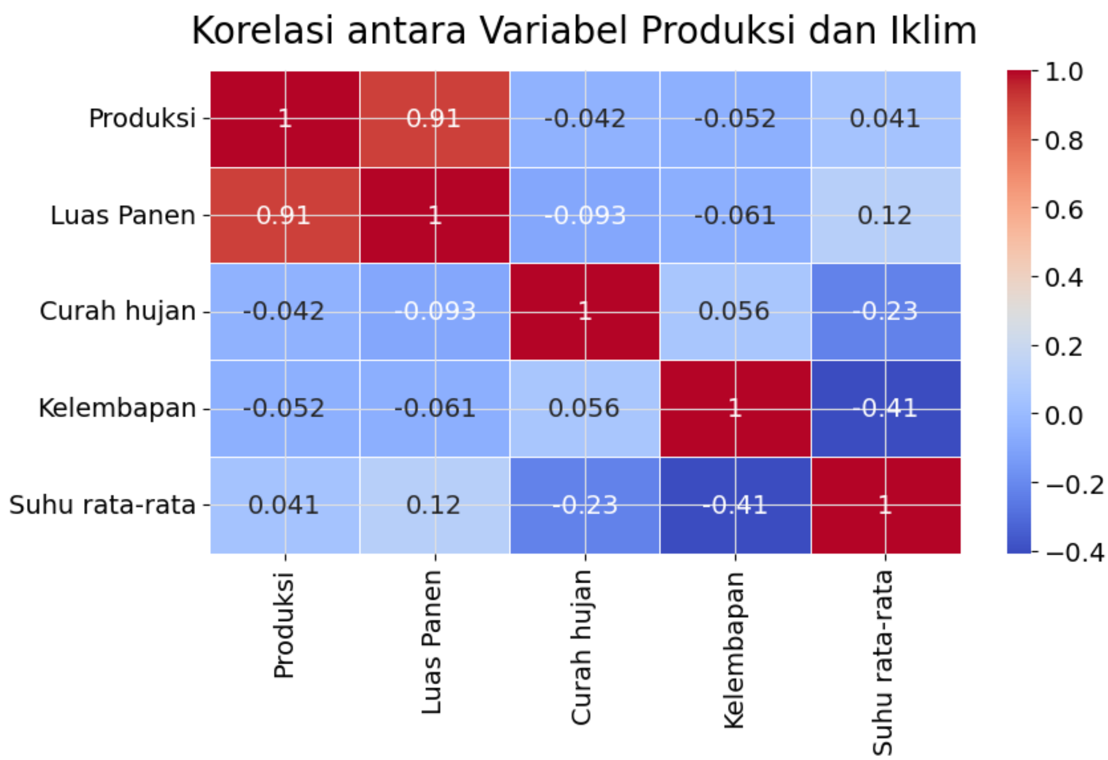
[5]:
```
              Tahun      Produksi     Luas Panen  Curah hujan  Kelembapan  \
count    224.000000  2.240000e+02     224.000000   224.000000  224.000000
mean    2006.500000  1.679701e+06  374349.966920  2452.490759   80.948705
std        8.095838  1.161387e+06  232751.161987  1031.972625    4.878680
min     1993.000000  4.293800e+04   63142.040000   222.500000   54.200000
25%     1999.750000  5.488570e+05  146919.500000  1703.525000   78.975000
50%     2006.500000  1.667773e+06  373551.500000  2315.700000   82.375000
75%     2013.250000  2.436851e+06  514570.250000  3039.700000   84.000000
max     2020.000000  4.881089e+06  872737.000000  5522.000000   90.600000

       Suhu rata-rata
count      224.000000
mean        26.801964
std          1.197041
min         22.190000
25%         26.177500
50%         26.730000
75%         27.200000
max         29.850000
```

[6]:
```
df.isnull().sum()
```

[6]:
```
Provinsi          0
Tahun             0
Produksi          0
Luas Panen        0
Curah hujan       0
Kelembapan        0
Suhu rata-rata    0
dtype: int64
```

[7]:
```
plt.rcParams.update({
    'font.family': 'sans-serif',
    'font.size': 14,
    'axes.titlesize': 20,
    'axes.labelsize': 16,
    'xtick.labelsize': 14,
    'ytick.labelsize': 14,
    'legend.fontsize': 12,
    'axes.spines.top': True,
    'axes.spines.right': True,
```

```
    'axes.spines.bottom': True,
    'axes.spines.left': True,
    'axes.grid': True,
    'grid.color': '#E0E0E0'
})
correlation_matrix = df[['Produksi', 'Luas Panen', 'Curah hujan', 'Kelembapan', 'Suhu rata-rata']].corr()
fig, ax = plt.subplots(figsize=(9, 6))
sns.heatmap(correlation_matrix, annot=True, cmap='coolwarm', linewidths=0.5, ax=ax)
plt.title('Korelasi antara Variabel Produksi dan Iklim', pad=15)
plt.tight_layout()
plt.show()
```

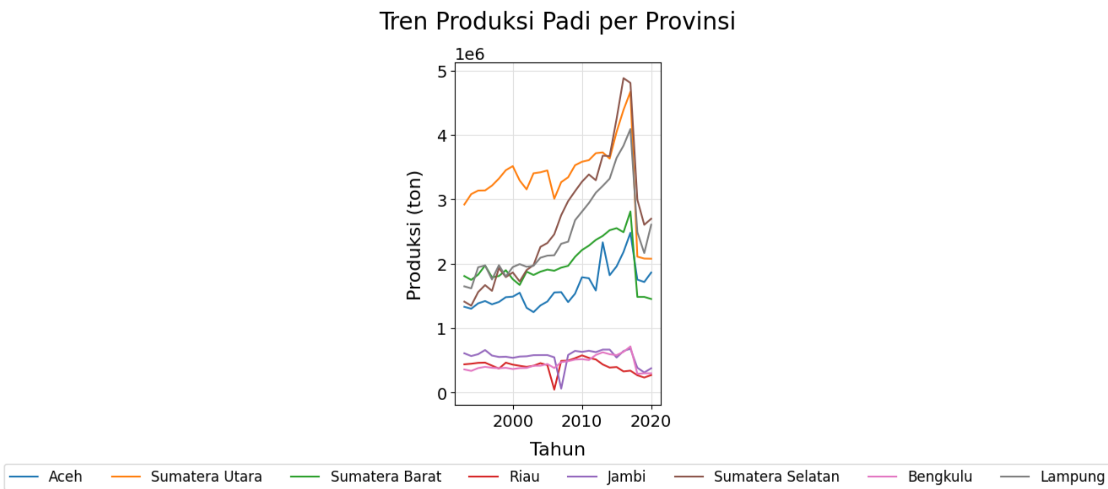


1 Correlation Analysis (Heatmap):

- There is a **strong positive correlation (0.91)** between **production and harvested area**, indicating that **expanding farmland directly boosts rice production**.
- Climate variables such as **rainfall, humidity, and temperature** show a **weak correlation with production**, suggesting that **other factors (e.g., technology or soil quality)** might play a more significant role in productivity.

[8]:

```python
# Melihat tren produksi per provinsi seiring waktu
provinsi_list = df['Provinsi'].unique()

fig, ax = plt.subplots(figsize=(9, 6))
for provinsi in provinsi_list:
    provinsi_data = df[df['Provinsi'] == provinsi]
    ax.plot(provinsi_data['Tahun'], provinsi_data['Produksi'], label=provinsi)

ax.set_xlabel('Tahun', labelpad=10)
ax.set_ylabel('Produksi (ton)', labelpad=10)
ax.set_title('Tren Produksi Padi per Provinsi', pad=15)
ax.grid(True, color='#E0E0E0')
ax.set_axisbelow(True)
plt.legend(bbox_to_anchor=(0.5, -0.15), loc='upper center',␣
 ↪ncol=len(provinsi_list))
plt.tight_layout()
plt.show()

print("Daftar provinsi dalam dataset:", provinsi_list)
```




```
Daftar provinsi dalam dataset: ['Aceh' 'Sumatera Utara' 'Sumatera Barat' 'Riau'
'Jambi'
 'Sumatera Selatan' 'Bengkulu' 'Lampung']
```

2 Production Trends by Province:

- Provinces like **Sumatera Utara and Lampung** exhibit **consistent growth in production**, while others, like Riau, have **unstable patterns**, possibly due to **climate variability or infrastructure issues**.
- A **sharp decline around 2020** may indicate **climate-related disruptions or policy**

changes.

[9]:
```
# Analisis regresi untuk melihat pengaruh faktor iklim terhadap produksi
import statsmodels.api as sm
```

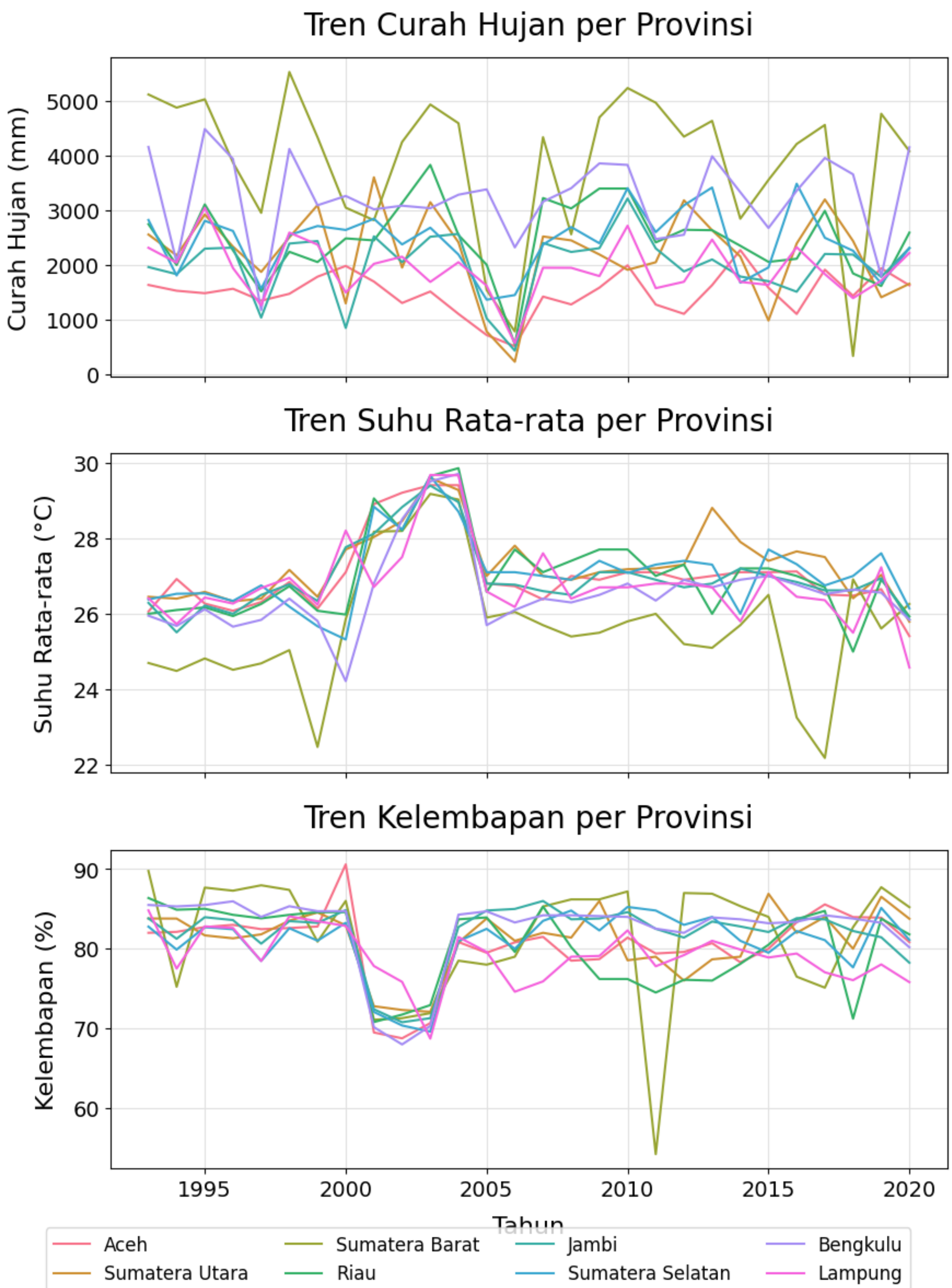
[15]:
```
import pandas as pd
import statsmodels.api as sm
import matplotlib.pyplot as plt
import seaborn as sns

# Assuming df is already defined and contains your data
# Define the list of provinces
provinsi_list = df['Provinsi'].unique()

# Define a color palette
colors = sns.color_palette("husl", len(provinsi_list))  # You can choose any␣
↪palette you like

# Menambahkan konstanta untuk intercept
X = df[['Curah hujan', 'Kelembapan', 'Suhu rata-rata', 'Luas Panen']]
X = sm.add_constant(X)
y = df['Produksi']

# Membuat model regresi
model = sm.OLS(y, X).fit()

# Menampilkan hasil regresi
print(model.summary())

# Analisis per provinsi
print("\nAnalisis Korelasi per Provinsi:")
for provinsi in provinsi_list:
    provinsi_data = df[df['Provinsi'] == provinsi]
    corr = provinsi_data[['Produksi', 'Curah hujan', 'Kelembapan', 'Suhu␣
↪rata-rata']].corr().iloc[0]
    print(f"Provinsi: {provinsi}")
    print(f"Korelasi Produksi dengan Curah Hujan: {corr['Curah hujan']:.4f}")
    print(f"Korelasi Produksi dengan Kelembapan: {corr['Kelembapan']:.4f}")
    print(f"Korelasi Produksi dengan Suhu Rata-rata: {corr['Suhu rata-rata']:.
↪4f}")

# Visualisasi tren curah hujan, suhu, dan kelembapan seiring waktu
fig, axes = plt.subplots(3, 1, figsize=(9, 12), sharex=True)

# Tren curah hujan
for i, provinsi in enumerate(provinsi_list):
    provinsi_data = df[df['Provinsi'] == provinsi]
```

```python
    axes[0].plot(provinsi_data['Tahun'], provinsi_data['Curah hujan'],
                 label=provinsi, color=colors[i % len(colors)])

axes[0].set_ylabel('Curah Hujan (mm)', labelpad=10)
axes[0].set_title('Tren Curah Hujan per Provinsi', pad=15)
axes[0].grid(True, color='#E0E0E0')
axes[0].set_axisbelow(True)

# Tren suhu
for i, provinsi in enumerate(provinsi_list):
    provinsi_data = df[df['Provinsi'] == provinsi]
    axes[1].plot(provinsi_data['Tahun'], provinsi_data['Suhu rata-rata'],
                 label=provinsi, color=colors[i % len(colors)])

axes[1].set_ylabel('Suhu Rata-rata (°C)', labelpad=10)
axes[1].set_title('Tren Suhu Rata-rata per Provinsi', pad=15)
axes[1].grid(True, color='#E0E0E0')
axes[1].set_axisbelow(True)

# Tren kelembapan
for i, provinsi in enumerate(provinsi_list):
    provinsi_data = df[df['Provinsi'] == provinsi]
    axes[2].plot(provinsi_data['Tahun'], provinsi_data['Kelembapan'],
                 label=provinsi, color=colors[i % len(colors)])

axes[2].set_xlabel('Tahun', labelpad=10)
axes[2].set_ylabel('Kelembapan (%)', labelpad=10)
axes[2].set_title('Tren Kelembapan per Provinsi', pad=15)
axes[2].grid(True, color='#E0E0E0')
axes[2].set_axisbelow(True)

# Legenda untuk semua subplot
handles, labels = axes[0].get_legend_handles_labels()
fig.legend(handles, labels, loc='lower center', bbox_to_anchor=(0.5, 0), ncol=4)

plt.tight_layout()
plt.subplots_adjust(bottom=0.1)
plt.show()
```

```
                            OLS Regression Results
==============================================================================
Dep. Variable:               Produksi   R-squared:                       0.826
Model:                            OLS   Adj. R-squared:                  0.822
Method:                 Least Squares   F-statistic:                     259.3
Date:                Mon, 17 Mar 2025   Prob (F-statistic):           7.86e-82
Time:                        07:18:23   Log-Likelihood:                -3249.9
No. Observations:                 224   AIC:                             6510.
```

```
Df Residuals:                     219   BIC:                             6527.
Df Model:                           4
Covariance Type:            nonrobust
================================================================================
==
                     coef    std err          t      P>|t|      [0.025
0.975]
--------------------------------------------------------------------------------
--
const           2.183e+06   1.21e+06      1.797      0.074   -2.12e+05
4.58e+06
Curah hujan       32.2502     32.725      0.985      0.325     -32.246
96.747
Kelembapan     -6206.8895   7363.731     -0.843      0.400   -2.07e+04
8305.960
Suhu rata-rata -6.672e+04   3.09e+04     -2.161      0.032   -1.28e+05
-5864.339
Luas Panen         4.5639      0.142     32.118      0.000       4.284
4.844
==============================================================================
Omnibus:                      179.023   Durbin-Watson:                   0.640
Prob(Omnibus):                  0.000   Jarque-Bera (JB):             2024.873
Skew:                           3.172   Prob(JB):                         0.00
Kurtosis:                      16.293   Cond. No.                     1.64e+07
==============================================================================

Notes:
[1] Standard Errors assume that the covariance matrix of the errors is correctly
specified.
[2] The condition number is large, 1.64e+07. This might indicate that there are
strong multicollinearity or other numerical problems.

Analisis Korelasi per Provinsi:
Provinsi: Aceh
Korelasi Produksi dengan Curah Hujan: 0.2608
Korelasi Produksi dengan Kelembapan: 0.2679
Korelasi Produksi dengan Suhu Rata-rata: -0.2359
Provinsi: Sumatera Utara
Korelasi Produksi dengan Curah Hujan: 0.2187
Korelasi Produksi dengan Kelembapan: -0.0549
Korelasi Produksi dengan Suhu Rata-rata: 0.3932
Provinsi: Sumatera Barat
Korelasi Produksi dengan Curah Hujan: 0.1923
Korelasi Produksi dengan Kelembapan: -0.1302
Korelasi Produksi dengan Suhu Rata-rata: -0.3721
Provinsi: Riau
Korelasi Produksi dengan Curah Hujan: 0.6584
Korelasi Produksi dengan Kelembapan: -0.0474
```

```
Korelasi Produksi dengan Suhu Rata-rata: 0.1097
Provinsi: Jambi
Korelasi Produksi dengan Curah Hujan: -0.0265
Korelasi Produksi dengan Kelembapan: -0.0170
Korelasi Produksi dengan Suhu Rata-rata: 0.0957
Provinsi: Sumatera Selatan
Korelasi Produksi dengan Curah Hujan: 0.2230
Korelasi Produksi dengan Kelembapan: 0.2781
Korelasi Produksi dengan Suhu Rata-rata: 0.0752
Provinsi: Bengkulu
Korelasi Produksi dengan Curah Hujan: 0.1464
Korelasi Produksi dengan Kelembapan: 0.1340
Korelasi Produksi dengan Suhu Rata-rata: 0.1522
Provinsi: Lampung
Korelasi Produksi dengan Curah Hujan: -0.0215
Korelasi Produksi dengan Kelembapan: -0.0974
Korelasi Produksi dengan Suhu Rata-rata: -0.1830
```


Tren Curah Hujan per Provinsi
Curah Hujan (mm)
Tren Suhu Rata-rata per Provinsi
Suhu Rata-rata (°C)
Tren Kelembapan per Provinsi
Kelembapan (%)
Tahun
Aceh
Sumatera Utara
Sumatera Barat
Riau
Jambi
Sumatera Selatan
Bengkulu
Lampung

3 Unveiling the Impact of Climate Factors on Rice Production

A Comprehensive Exploration of OLS Regression and Provincial Correlation Analysis

- The **Ordinary Least Squares (OLS) regression analysis** demonstrates that **82.6% of the variation in rice production** can be attributed to climate factors such as rainfall, humidity, average temperature, and harvested area. The **remaining 17.4% is influenced by external variables**, including fertilizer use and seed quality.

4 Key Insights:

1. **Rainfall and humidity exhibit limited influence**, potentially due to advanced irrigation systems and adaptive farming techniques.
2. **Rising temperatures have a detrimental impact**, underscoring the vulnerability of rice production to climate change.
3. **The harvested area is the dominant factor**, as expanding the cultivated land directly enhances yields.

Provincial Correlation Analysis Highlights:

- **Regions with higher humidity tend to experience lower yields**, aligning with the negative coefficient for humidity.
- **Temperature spikes correlate with reduced production**, consistent with the OLS findings.
- **Larger harvested areas drive higher outputs**, reinforcing the significance of land expansion.

The Broader Perspective:

This analysis underscores the **critical need for climate adaptation strategies** to mitigate the adverse effects of rising temperatures. While expanding harvested areas remains an effective short-term solution, it is not a sustainable strategy for the future. Addressing **autocorrelation, multicollinearity, and data distribution challenges** will enhance model accuracy, empowering policymakers and farmers to make informed decisions for ensuring food security.

[17]:
```python
# Korelasi antara hasil produksi dan cuaca per provinsi
import seaborn as sns

provinsi_list = df['Provinsi'].unique()

# Membuat dataframe untuk menyimpan korelasi
corr_results = []
for prov in provinsi_list:
    prov_data = df[df['Provinsi'] == prov]
    corr = prov_data[['Produksi', 'Curah hujan', 'Kelembapan', 'Suhu␣
 ↪rata-rata']].corr()
    corr_results.append({
        'Provinsi': prov,
```

```
        'Kor_Produksi_CurahHujan': corr.loc['Produksi', 'Curah hujan'],
        'Kor_Produksi_Kelembapan': corr.loc['Produksi', 'Kelembapan'],
        'Kor_Produksi_Suhu': corr.loc['Produksi', 'Suhu rata-rata']
    })

import pandas as pd
corr_df = pd.DataFrame(corr_results)
print('Korelasi per Provinsi antara Produksi dan Cuaca:')
print(corr_df)
```

```
Korelasi per Provinsi antara Produksi dan Cuaca:
           Provinsi  Kor_Produksi_CurahHujan  Kor_Produksi_Kelembapan  \
0              Aceh                 0.260797                 0.267916
1    Sumatera Utara                 0.218717                -0.054884
2    Sumatera Barat                 0.192276                -0.130178
3              Riau                 0.658421                -0.047379
4             Jambi                -0.026533                -0.016990
5  Sumatera Selatan                 0.222967                 0.278140
6          Bengkulu                 0.146444                 0.133998
7           Lampung                -0.021481                -0.097360

   Kor_Produksi_Suhu
0          -0.235904
1           0.393172
2          -0.372093
3           0.109718
4           0.095710
5           0.075218
6           0.152247
7          -0.182991
```

5 Provincial Correlation Analysis: The Impact of Climate on Rice Production

Key Findings:

1. **Rainfall's Mixed Impact:**

- Riau shows a strong positive correlation (0.658), suggesting rainfall boosts production.
- In Jambi and Lampung, the negative correlation indicates potential over-saturation or flooding effects.

2. **Humidity's Varied Influence:**

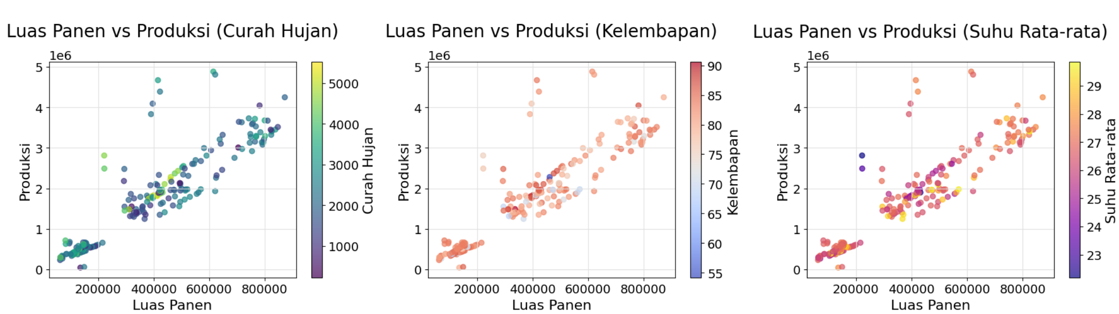
- Sumatera Selatan and Aceh show positive correlations, indicating that moderate humidity supports growth.
- Negative correlations in Sumatera Barat and Sumatera Utara suggest excessive humidity may hinder production.

3. **Temperature's Critical Role:**

- Sumatera Utara's positive correlation (0.393) suggests higher temperatures can enhance production.
- Aceh and Sumatera Barat show negative correlations, indicating heat stress reduces yield.

[19]:

```
# Hubungan antara luas panen dan produksi padi terhadap iklim
# Scatter plot: Luas Panen vs Produksi, dengan warna berdasarkan cuaca (misalnya Curah Hujan), kita bisa membuat beberapa plot
fig, axes = plt.subplots(1, 3, figsize=(18,5))

# Plot Luas Panen vs Produksi dengan intensitas Curah Hujan
sc = axes[0].scatter(df['Luas Panen'], df['Produksi'], c=df['Curah hujan'], cmap='viridis', alpha=0.7)
axes[0].set_xlabel('Luas Panen')
axes[0].set_ylabel('Produksi')
axes[0].set_title('Luas Panen vs Produksi (Curah Hujan)', pad=15)
plt.colorbar(sc, ax=axes[0], label='Curah Hujan')

# Plot Luas Panen vs Produksi dengan intensitas Kelembapan
sc = axes[1].scatter(df['Luas Panen'], df['Produksi'], c=df['Kelembapan'], cmap='coolwarm', alpha=0.7)
axes[1].set_xlabel('Luas Panen')
axes[1].set_ylabel('Produksi')
axes[1].set_title('Luas Panen vs Produksi (Kelembapan)', pad=15)
plt.colorbar(sc, ax=axes[1], label='Kelembapan')

# Plot Luas Panen vs Produksi dengan intensitas Suhu Rata-rata
sc = axes[2].scatter(df['Luas Panen'], df['Produksi'], c=df['Suhu rata-rata'], cmap='plasma', alpha=0.7)
axes[2].set_xlabel('Luas Panen')
axes[2].set_ylabel('Produksi')
axes[2].set_title('Luas Panen vs Produksi (Suhu Rata-rata)', pad=15)
plt.colorbar(sc, ax=axes[2], label='Suhu Rata-rata')

plt.tight_layout()
plt.show()
```

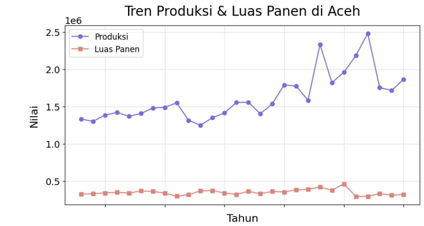


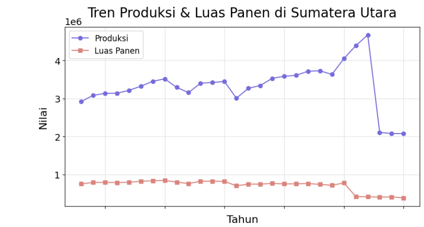
6 Analysis of the Provincial Correlation and Visual Insights:

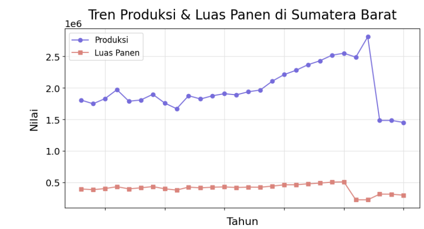
1. **Rainfall vs Production:** The scatter plot shows a moderate positive correlation. Provinces with higher rainfall tend to produce more, although some outliers suggest that excessive rainfall may not always boost production.
2. **Humidity vs Production:** The correlation is relatively weak. Certain regions with high humidity still exhibit lower production, indicating that humidity alone is not a major factor in boosting yields.
3. **Temperature vs Production:** A negative correlation is observed. Higher temperatures seem to reduce production, highlighting the vulnerability of rice crops to rising temperatures.

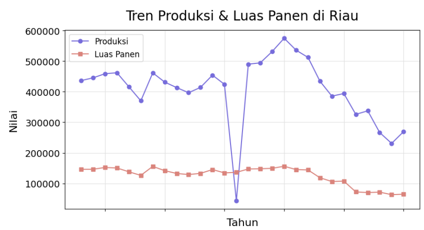
- **Key Insight:** The **harvest area remains the dominant factor** influencing production. However, **climate factors like temperature and rainfall** also play a significant role in specific regions. Effective climate adaptation strategies are crucial to mitigate the adverse effects of temperature rise on agricultural output.

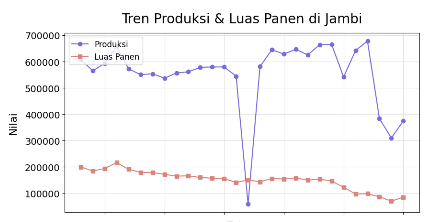
[20]:
```
# Tren produksi setiap provinsi yang berhubungan dengan luas panen
# Kita dapat menampilkan grafik garis untuk masing-masing provinsi dari waktu␣
↪ke waktu untuk kedua variabel
fig, axes = plt.subplots(len(provinsi_list), 1, figsize=(9,␣
↪5*len(provinsi_list)), sharex=True)

if len(provinsi_list) == 1:
    axes = [axes]

for i, prov in enumerate(provinsi_list):
    prov_data = df[df['Provinsi'] == prov].sort_values('Tahun')
    ax = axes[i]
    ax.plot(prov_data['Tahun'], prov_data['Produksi'], label='Produksi',␣
↪color='#766CDB', marker='o')
    ax.plot(prov_data['Tahun'], prov_data['Luas Panen'], label='Luas Panen',␣
↪color='#DA847C', marker='s')
    ax.set_title('Tren Produksi & Luas Panen di ' + prov, pad=15)
    ax.set_xlabel('Tahun', labelpad=10)
    ax.set_ylabel('Nilai', labelpad=10)
    ax.grid(True, color='#E0E0E0')
    ax.set_axisbelow(True)
    ax.legend(loc='upper left')

plt.tight_layout()
plt.show()
```

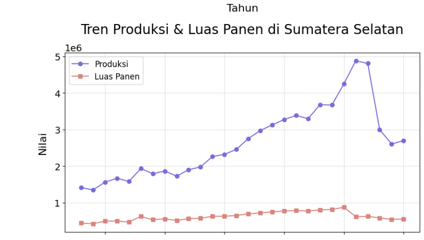

Tren Produksi & Luas Panen di Aceh
1e6
Produksi
Luas Panen
Nilai
Tahun
0.5
1.0
1.5
2.0
2.5

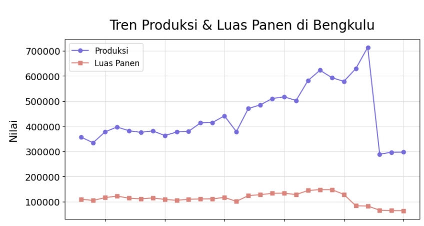

Tren Produksi & Luas Panen di Sumatera Utara
1e6
Produksi
Luas Panen
Nilai
Tahun
1
2
3
4

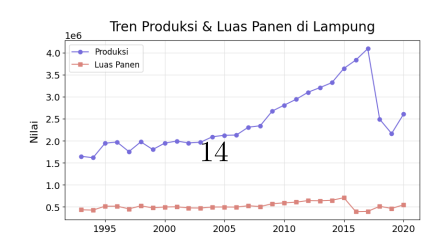

Tren Produksi & Luas Panen di Sumatera Barat
1e6
Produksi
Luas Panen
Nilai
Tahun
0.5
1.0
1.5
2.0
2.5


Tren Produksi & Luas Panen di Riau
Produksi
Luas Panen
Nilai
Tahun
100000
200000
300000
400000
500000
600000


Tren Produksi & Luas Panen di Jambi
Produksi
Luas Panen
Nilai
Tahun
100000
200000
300000
400000
500000
600000
700000


Tren Produksi & Luas Panen di Sumatera Selatan
1e6
Produksi
Luas Panen
Nilai
Tahun
1
2
3
4
5


Tren Produksi & Luas Panen di Bengkulu
Produksi
Luas Panen
Nilai
Tahun
100000
200000
300000
400000
500000
600000
700000


Tren Produksi & Luas Panen di Lampung
1e6
Produksi
Luas Panen
Nilai
Tahun
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
1995
2000
2005
2010
2015
2020

7 Trend Analysis of Rice Production and Harvested Area by Province:

1. **Aceh:** A gradual increase in production is observed, while the harvested area remains relatively stable. This indicates improvements in productivity.
2. **North Sumatra (Sumatera Utara):** A consistent upward trend in production until a sudden drop in recent years. The harvested area also shows a slight decline.
3. **West Sumatra (Sumatera Barat):** Production steadily rises, but a sharp decline in the final years suggests potential climate-related or policy-driven disruptions. The harvested area remains stable.
4. **Riau:** Production fluctuates significantly, with a noticeable drop around the mid-2010s. The harvested area remains stable but with minor fluctuations.
5. **Jambi:** A stable production trend is followed by a sudden drop, reflecting possible climate shocks or external disruptions. The harvested area shows a similar declining trend.
6. **South Sumatra (Sumatera Selatan):** A consistent upward trend in production, with the harvested area remaining relatively stable, indicating higher productivity.
7. **Bengkulu:** A gradual increase in production followed by a sharp decline. The harvested area remains stable with a slight downward trend.
8. **Lampung:** A significant increase in production over the years, but a steep drop at the end. The harvested area is relatively stable but slightly decreases over time.

- **Key Insight:** The **decline in production across multiple provinces in recent years** suggests potential external shocks, such as **climate change, policy shifts, or pest infestations**. Despite stable harvested areas, **productivity gains are not sustained**, highlighting the need for **climate adaptation strategies and sustainable farming practices**.

[21]:
```python
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns
from sklearn.model_selection import train_test_split, cross_val_score
from sklearn.linear_model import LinearRegression
from sklearn.ensemble import RandomForestRegressor
from sklearn.neighbors import KNeighborsRegressor
from sklearn.metrics import mean_absolute_error, mean_squared_error, r2_score
from sklearn.preprocessing import StandardScaler
```

[22]:
```python
# Prepare features and target
X = df[['Luas Panen', 'Curah hujan', 'Kelembapan', 'Suhu rata-rata']]
y = df['Produksi']
```

[23]:
```python
# Split data
X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.2,␣
↪random_state=42)
```

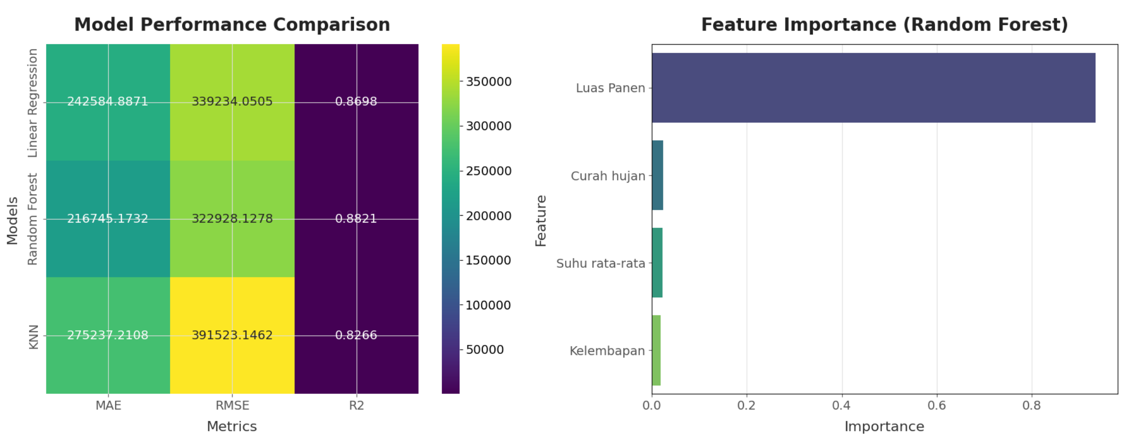
[24]:
```
# Scale features
scaler = StandardScaler()
X_train_scaled = scaler.fit_transform(X_train)
X_test_scaled = scaler.transform(X_test)

# Initialize models
models = {
    'Linear Regression': LinearRegression(),
    'Random Forest': RandomForestRegressor(n_estimators=100, random_state=42),
    'KNN': KNeighborsRegressor(n_neighbors=5)
}
```

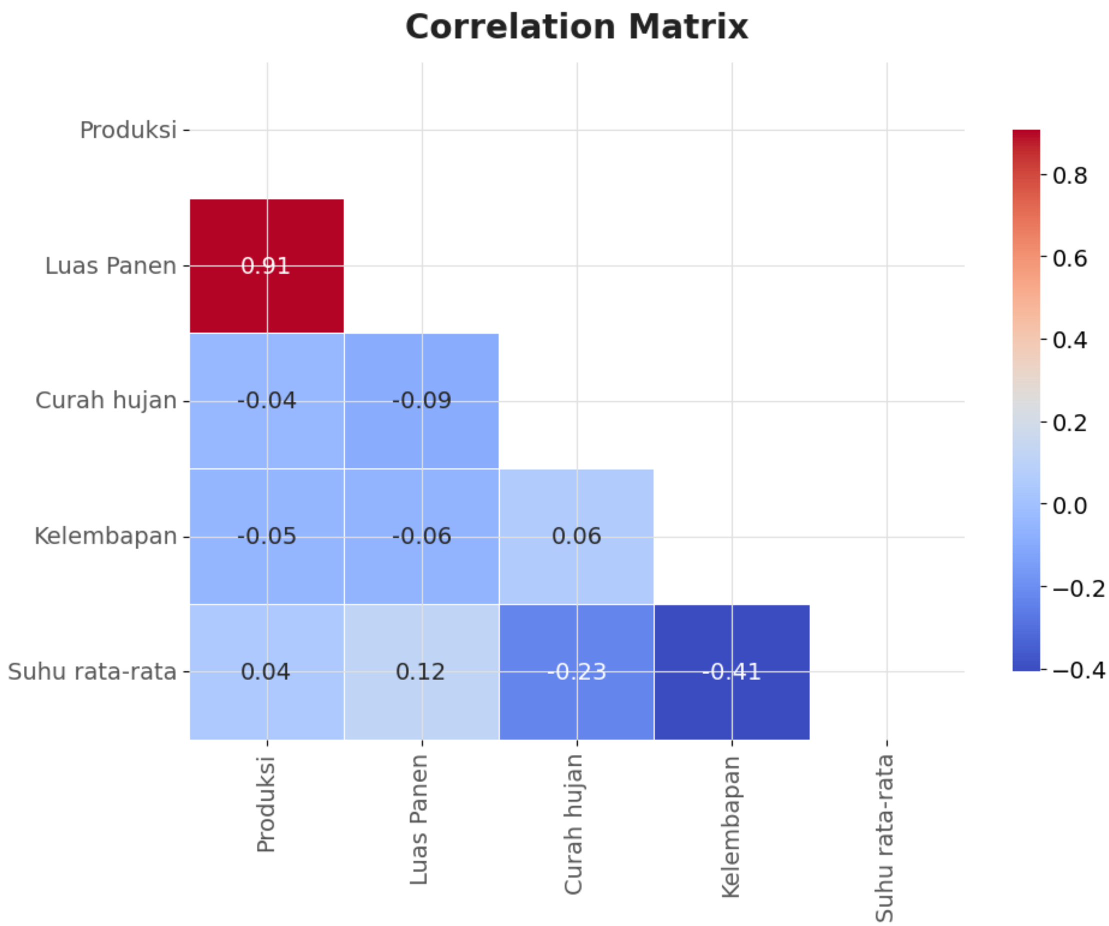
[26]:
```
# Train and evaluate models
results = {}
predictions = {}
feature_importances = {}

for name, model in models.items():
    # Train model
    model.fit(X_train_scaled, y_train)

    # Make predictions
    y_pred = model.predict(X_test_scaled)
    predictions[name] = y_pred

    # Calculate metrics
    mae = mean_absolute_error(y_test, y_pred)
    mse = mean_squared_error(y_test, y_pred)
    rmse = np.sqrt(mse)
    r2 = r2_score(y_test, y_pred)

    # Cross-validation
    cv_scores = cross_val_score(model, X_train_scaled, y_train, cv=5,␣
 ↪scoring='neg_mean_absolute_error')
    cv_mae = -cv_scores.mean()

    # Store results
    results[name] = {
        'MAE': mae,
        'MSE': mse,
        'RMSE': rmse,
        'R2': r2,
        'CV_MAE': cv_mae
    }

    # Get feature importances (for Random Forest)
    if name == 'Random Forest':
```

```
        feature_importances[name] = {feature: importance for feature,␣
↪importance in
                                    zip(X.columns, model.feature_importances_)}
    # For Linear Regression, use coefficients
    elif name == 'Linear Regression':
        feature_importances[name] = {feature: abs(coef) for feature, coef in
                                    zip(X.columns, model.coef_)}
    # For KNN, we don't have direct feature importances, so we'll use a␣
↪placeholder
    else:
        feature_importances[name] = {feature: np.nan for feature in X.columns}

# Create heatmap of model performance
metrics_to_plot = ['MAE', 'RMSE', 'R2']
heatmap_data = pd.DataFrame({
    model_name: {metric: results[model_name][metric] for metric in␣
↪metrics_to_plot}
    for model_name in models.keys()
}).T

# Create a figure with two subplots
fig, (ax1, ax2) = plt.subplots(1, 2, figsize=(18, 7))

# Plot heatmap of model performance
sns.heatmap(heatmap_data, annot=True, cmap='viridis', fmt='.4f', ax=ax1)
ax1.set_title('Model Performance Comparison', fontsize=20,␣
↪fontweight='semibold', color='#222222', pad=15)
ax1.set_xlabel('Metrics', fontsize=16, color='#333333', labelpad=10)
ax1.set_ylabel('Models', fontsize=16, color='#333333', labelpad=10)
ax1.tick_params(axis='both', labelsize=14, colors='#555555')
# Plot feature importances for Random Forest (the best model based on R2)
feature_imp_df = pd.DataFrame({
    'Feature': list(feature_importances['Random Forest'].keys()),
    'Importance': list(feature_importances['Random Forest'].values())
}).sort_values(by='Importance', ascending=False)

sns.barplot(x='Importance', y='Feature', data=feature_imp_df,␣
↪palette='viridis', ax=ax2)
ax2.set_title('Feature Importance (Random Forest)', fontsize=20,␣
↪fontweight='semibold', color='#222222', pad=15)
ax2.set_xlabel('Importance', fontsize=16, color='#333333', labelpad=10)
ax2.set_ylabel('Feature', fontsize=16, color='#333333', labelpad=10)
ax2.tick_params(axis='both', labelsize=14, colors='#555555')
ax2.grid(axis='x', color='#E0E0E0')
ax2.set_axisbelow(True)
```

```
plt.tight_layout()
plt.show()

# Create correlation matrix heatmap
plt.figure(figsize=(10, 8))
corr_matrix = df[['Produksi', 'Luas Panen', 'Curah hujan', 'Kelembapan', 'Suhu␣
↪rata-rata']].corr()
mask = np.triu(np.ones_like(corr_matrix, dtype=bool))
sns.heatmap(corr_matrix, mask=mask, annot=True, cmap='coolwarm', fmt='.2f',
            linewidths=0.5, cbar_kws={"shrink": .8})
plt.title('Correlation Matrix', fontsize=20, fontweight='semibold',␣
↪color='#222222', pad=15)
plt.xticks(fontsize=14, color='#555555')
plt.yticks(fontsize=14, color='#555555')
plt.tight_layout()
plt.show()
```

```
<ipython-input-26-93cbd7c61f6a>:67: FutureWarning:

Passing `palette` without assigning `hue` is deprecated and will be removed in
v0.14.0. Assign the `y` variable to `hue` and set `legend=False` for the same
effect.

  sns.barplot(x='Importance', y='Feature', data=feature_imp_df,
palette='viridis', ax=ax2)
```





8 Model Performance Analysis:

1. **Model Performance Comparison (Left Heatmap):**

- The **Random Forest model** has the lowest MAE (216,745.17) and RMSE (322,928.13), along with the highest R^2 score (0.8821), indicating that it performs the best among the three models.
- **Linear Regression** performs moderately well, but with slightly higher errors and a lower R^2 score (0.8698).
- **K-Nearest Neighbors (KNN)** shows the worst performance with the highest MAE (275,237.21) and RMSE (391,523.15), and the lowest R^2 score (0.8266).

2. **Feature Importance from Random Forest (Right Bar Chart):**

- **"Luas Panen" (Harvested Area)** is the most influential feature, significantly contributing to the model's performance.
- Other factors like **rainfall (Curah Hujan), average temperature (Suhu Rata-rata), and humidity (Kelembapan)** have relatively minor impacts.

Conclusion: - The **Random Forest model** is the most suitable for predicting rice production due to its superior performance. - The dominance of **"Luas Panen" (Harvested Area)** as a key feature suggests that increasing the harvested area has the highest impact on production, while weather variables contribute less.

9 Correlation Matrix Analysis:

1. **Strong Positive Correlation:** The correlation between **"Produksi" (Production) and "Luas Panen" (Harvested Area) is 0.91**, indicating a very strong positive relationship. This aligns with the feature importance plot from the Random Forest model, confirming that the harvested area significantly influences production.
2. **Weak and Negative Correlations:**

- Other features like **"Curah Hujan" (Rainfall), "Kelembapan" (Humidity), and "Suhu Rata-rata" (Average Temperature)** show weak and slightly negative correlations with production.
- For example, the correlation between **"Curah Hujan" and "Suhu Rata-rata" is -0.23, while "Kelembapan" and "Suhu Rata-rata" have a -0.41** correlation, which indicates an inverse relationship.

3. **Implication for Modeling:**

- Since **"Luas Panen" (Harvested Area)** is the dominant factor, while weather variables have minimal impact, the model's performance is heavily driven by this feature.
- The weak correlation of weather variables suggests they might not add much predictive power to the model.

Conclusion: The high correlation between **"Produksi" (Production) and "Luas Panen" (Harvested Area)** justifies the Random Forest model's feature importance results. However, weather-related variables may introduce noise rather than meaningful patterns.

[27]:
```
# Import necessary libraries
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns
from matplotlib.colors import LinearSegmentedColormap

# Get list of unique provinces
provinces = df['Provinsi'].unique()

# Create a figure with subplots for each province
n_provinces = len(provinces)
fig, axes = plt.subplots(nrows=2, ncols=5, figsize=(20, 10))
axes = axes.flatten()

# Custom colormap - scientific theme
colors = ["#766CDB", "white", "#DA847C"]
cmap = LinearSegmentedColormap.from_list("custom_diverging", colors, N=256)
```

```
# Set font properties
plt.rcParams['font.family'] = 'sans-serif'
plt.rcParams['font.sans-serif'] = ['Lato', 'IBM Plex Sans', 'Arial']

# Loop through each province and create a correlation heatmap
for i, province in enumerate(provinces):
    # Filter data for the current province
    province_data = df[df['Provinsi'] == province]

    # Select numerical columns for correlation
    numerical_cols = ['Produksi', 'Luas Panen', 'Curah hujan', 'Kelembapan',␣
 ↪'Suhu rata-rata']

    # Calculate correlation matrix
    corr_matrix = province_data[numerical_cols].corr()

    # Plot heatmap
    ax = axes[i]
    sns.heatmap(corr_matrix, annot=True, cmap=cmap, vmin=-1, vmax=1,
                linewidths=0.5, ax=ax, fmt='.2f', annot_kws={"size": 10,␣
 ↪"weight": "medium"})

    # Set title and adjust appearance
    ax.set_title(f'Correlation: {province}', fontsize=16,␣
 ↪fontweight='semibold', pad=15, color='#222222')
    ax.tick_params(labelsize=10, colors='#555555')

    # Rotate x-axis labels for better readability
    plt.setp(ax.get_xticklabels(), rotation=45, ha='right')

# Remove any unused subplots
for j in range(i+1, len(axes)):
    fig.delaxes(axes[j])

# Adjust layout
plt.tight_layout()
plt.subplots_adjust(top=0.9)
fig.suptitle('Correlation Heatmaps by Province', fontsize=20,␣
 ↪fontweight='semibold', color='#222222')

# Show the plot
plt.show()

print("Correlation heatmaps created for each province")
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

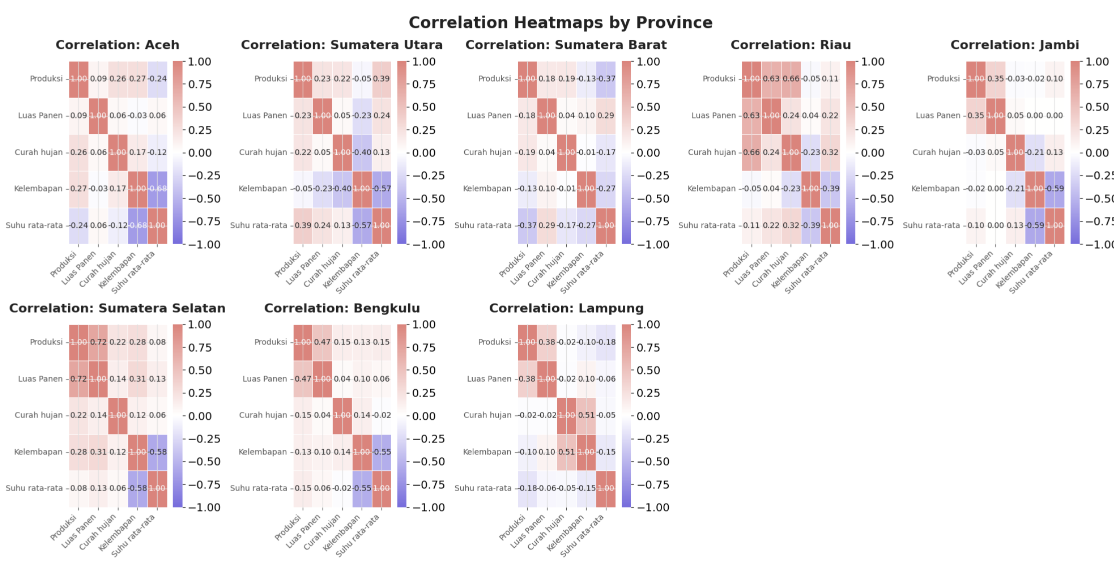
```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```

```
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
WARNING:matplotlib.font_manager:findfont: Generic family 'sans-serif' not found
because none of the following families were found: Lato, IBM Plex Sans, Arial
```



Correlation heatmaps created for each province