

Building visualizations with Seaborn

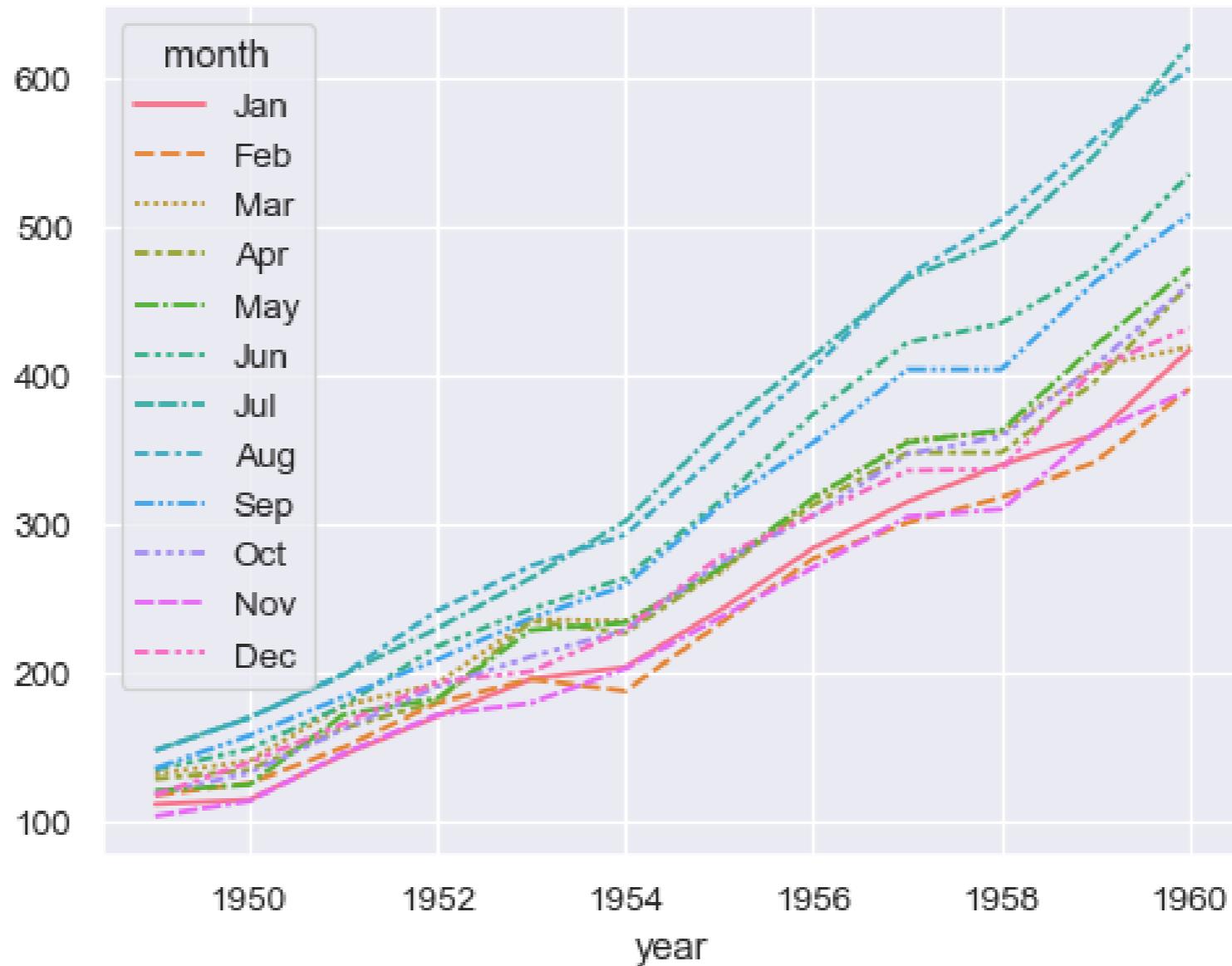
INTRODUCTION TO PYTHON IN POWER BI



Jacob H. Marquez

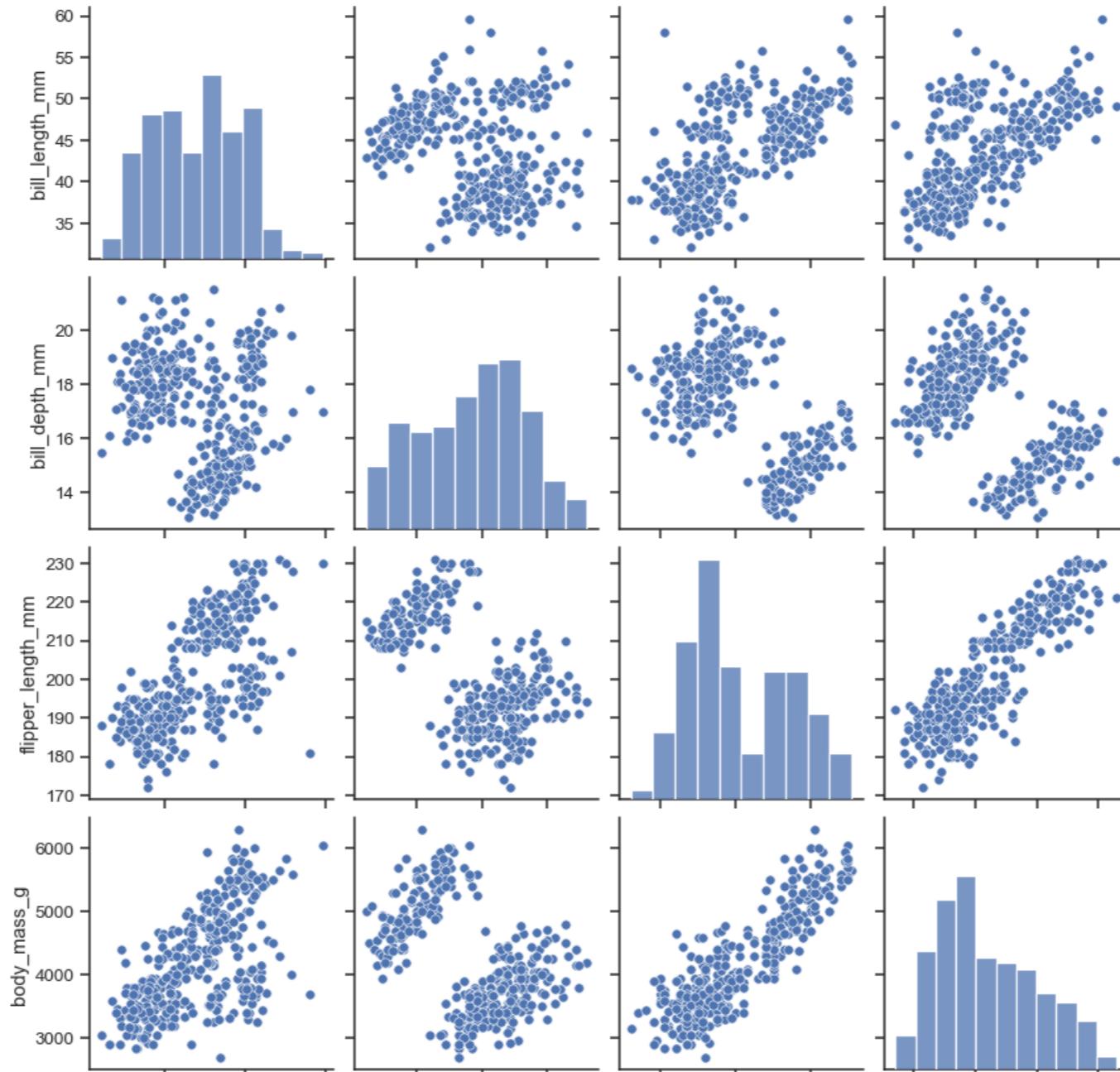
Data Scientist

Plots with the Seaborn package



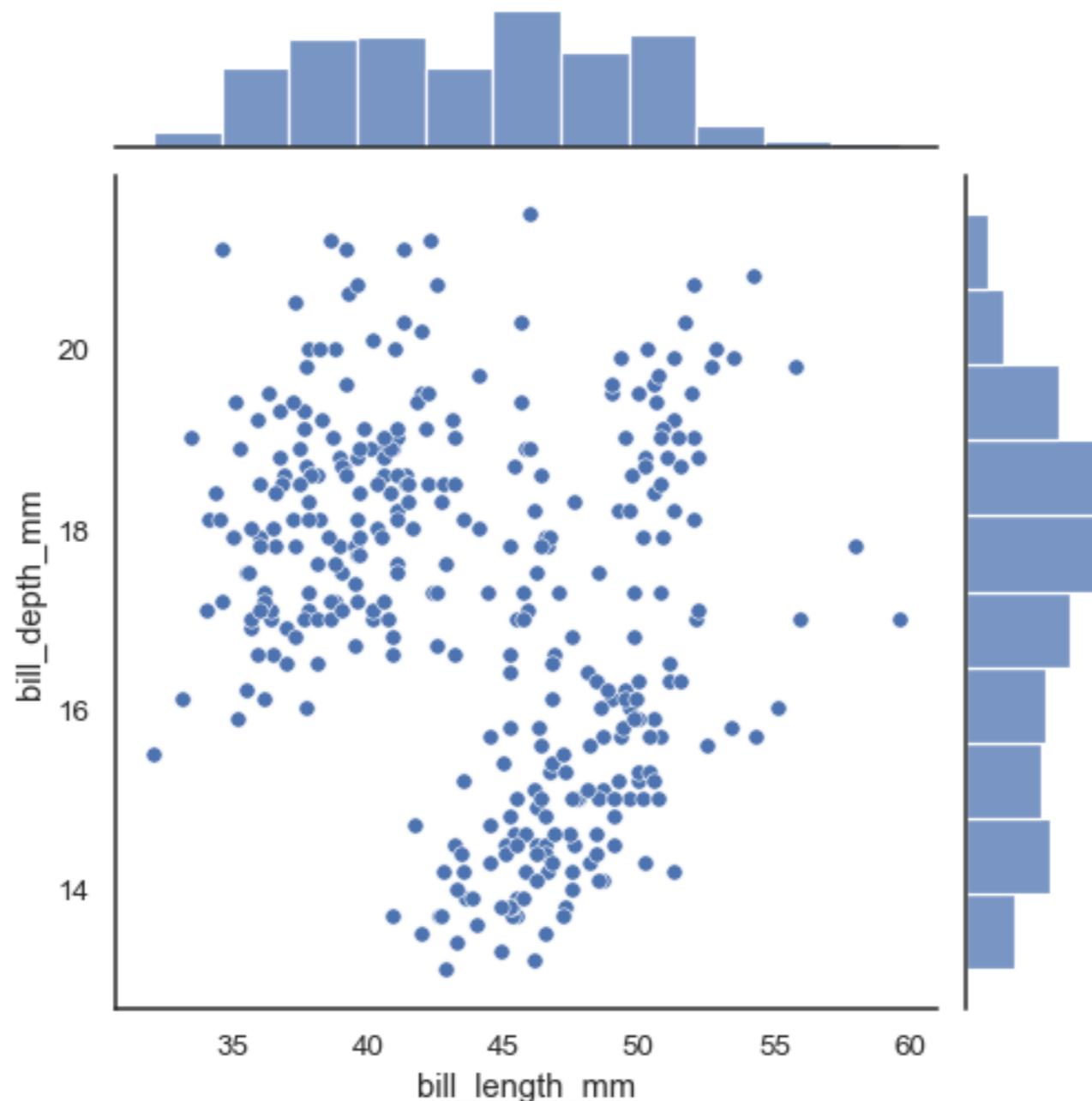
¹ <https://seaborn.pydata.org/generated/seaborn.lineplot.html>

Plots with the Seaborn package



¹ <https://seaborn.pydata.org/generated/seaborn.pairplot.html>

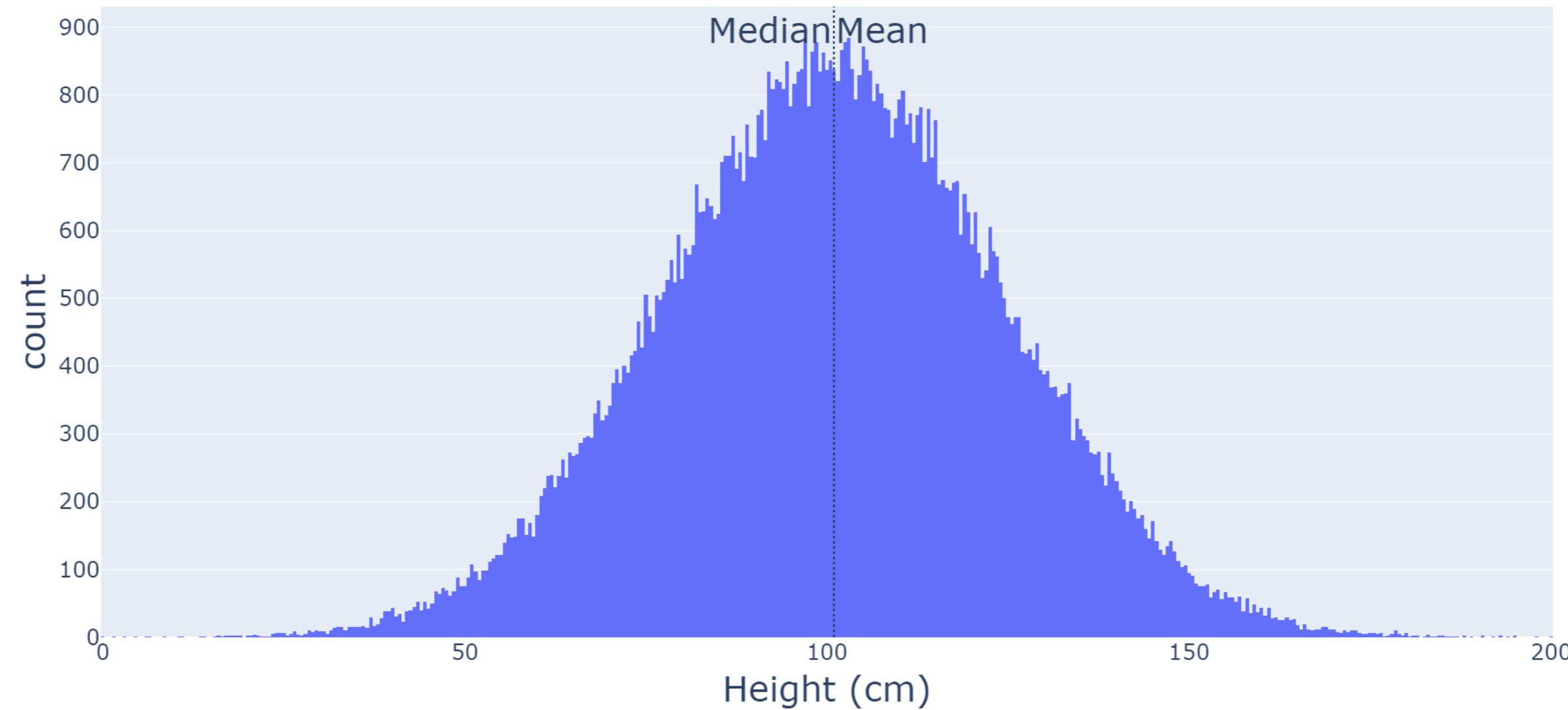
Plots with the Seaborn package



¹ <https://seaborn.pydata.org/generated/seaborn.jointplot.html>

Histograms

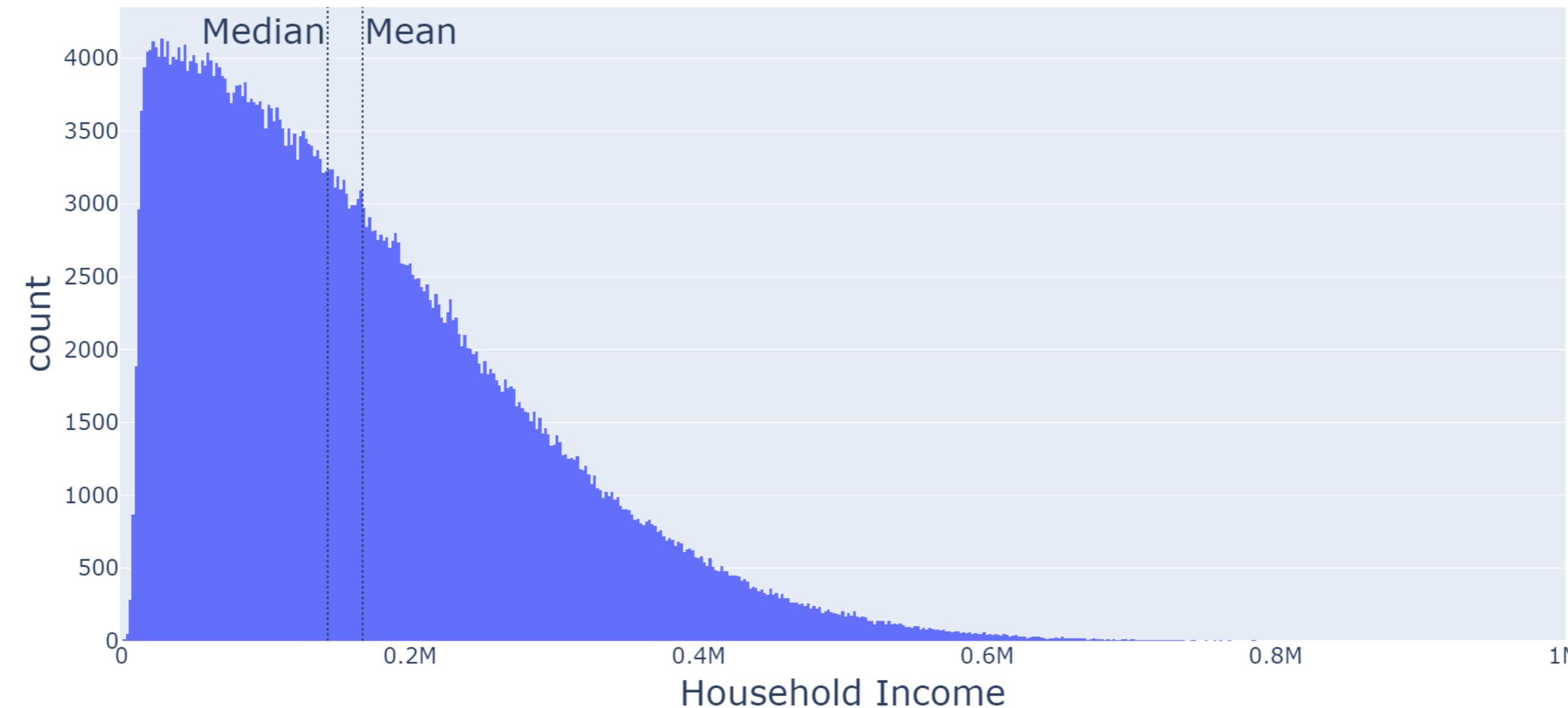
Heights of People



¹ <https://seaborn.pydata.org/generated/seaborn.histplot.html>

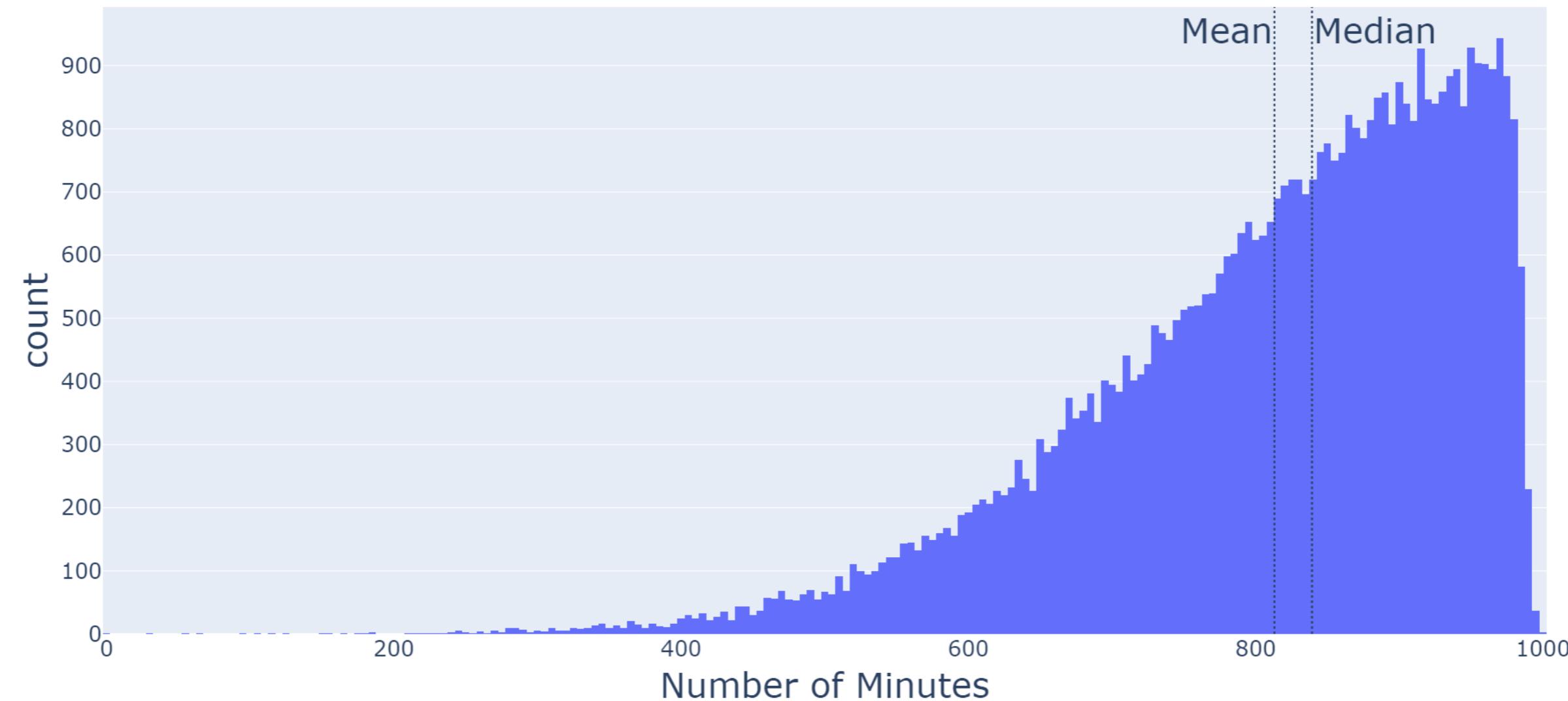
Reading a histogram

Household Income

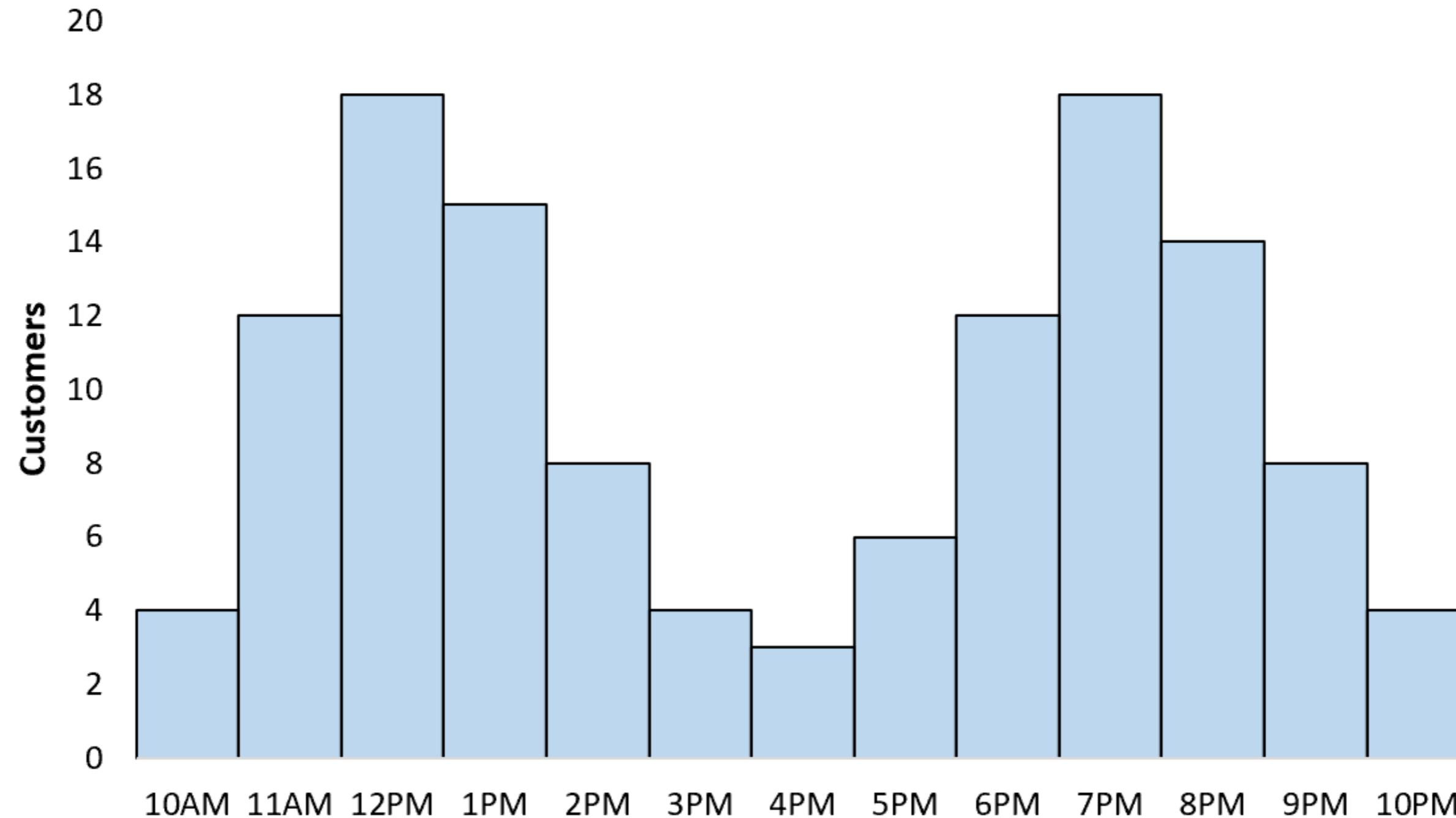


Reading a histogram

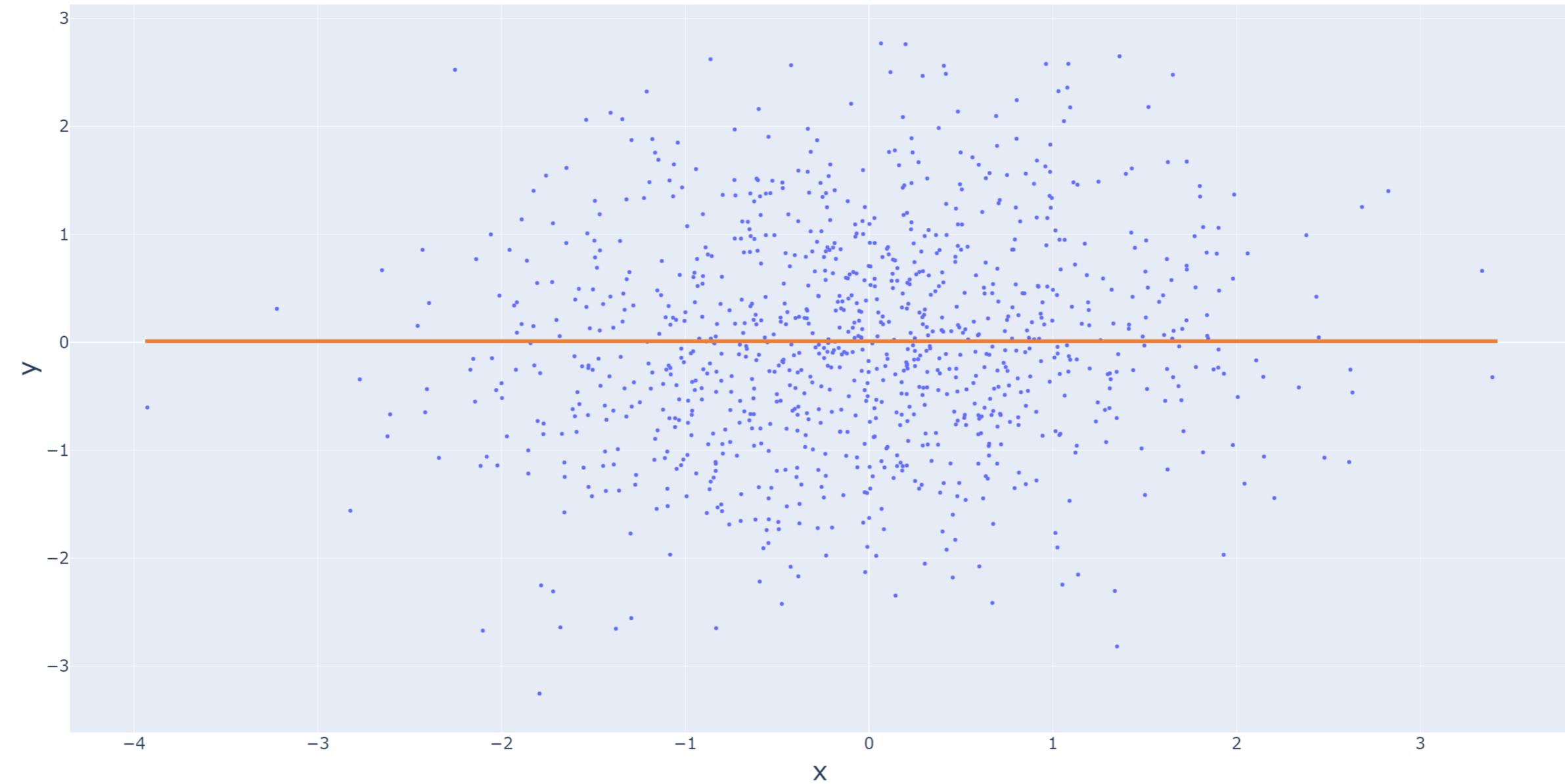
Histogram of Time Spent Online



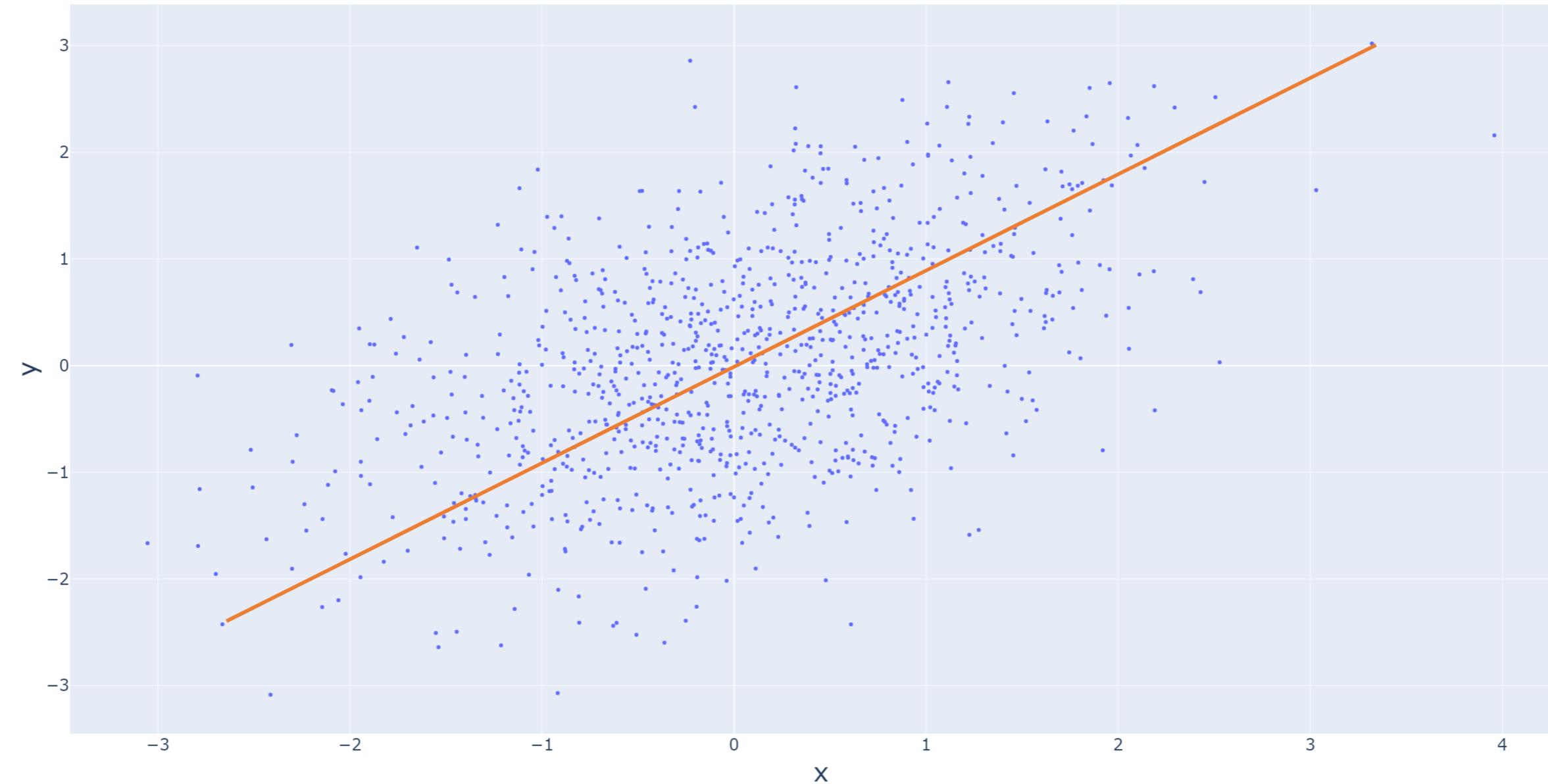
Reading a histogram



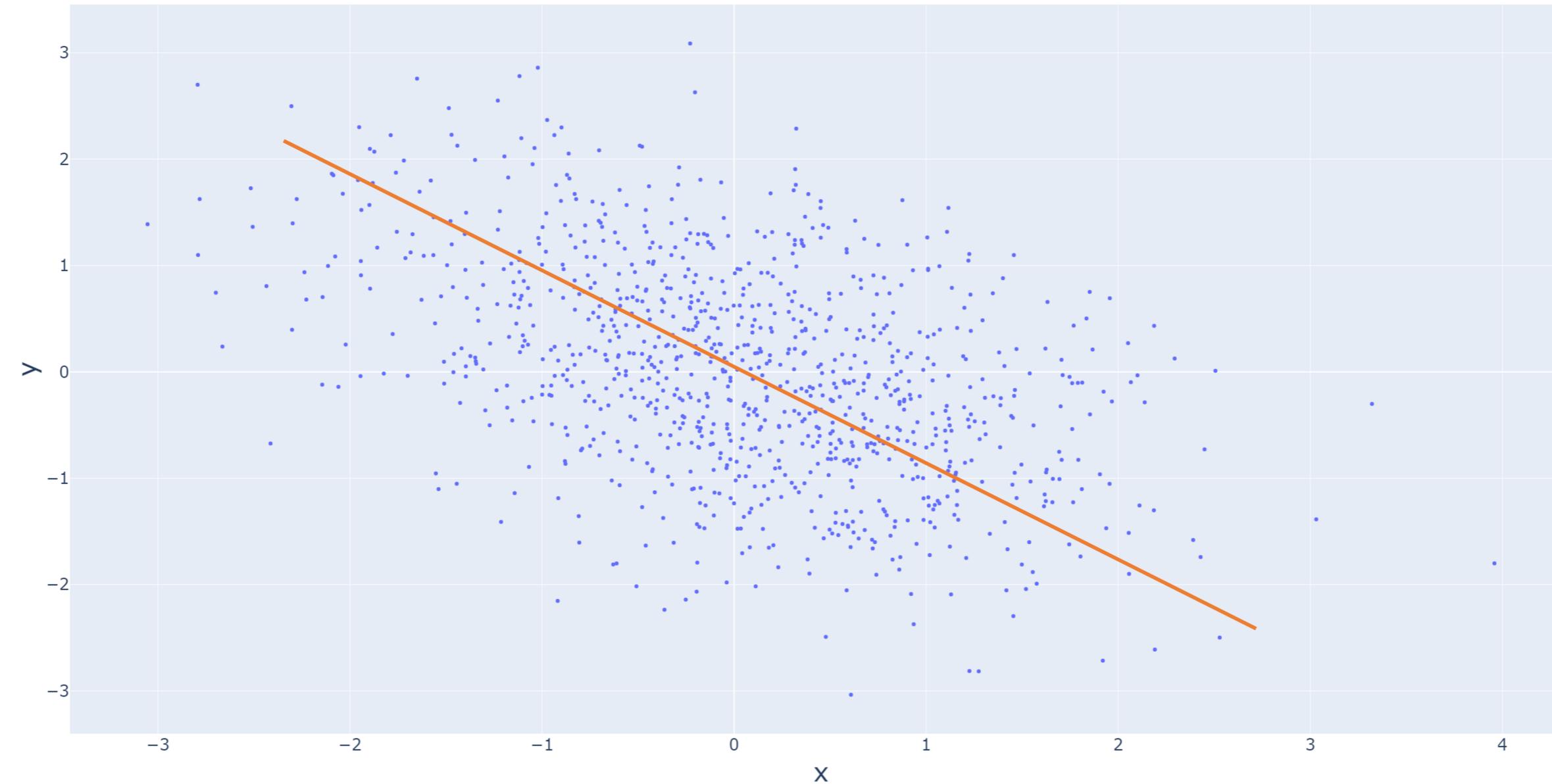
Scatter plots



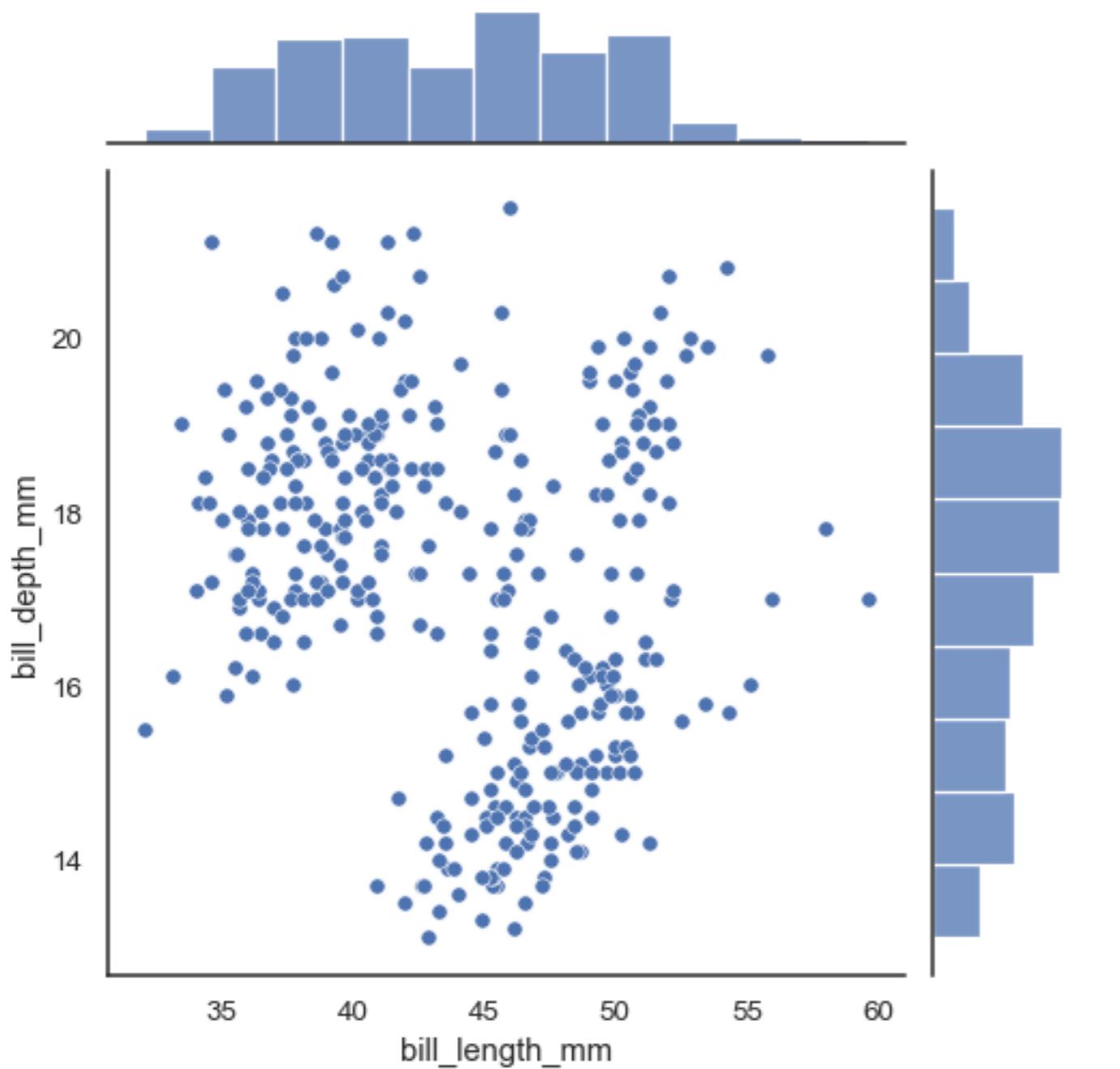
Reading scatter plots



Reading scatter plots

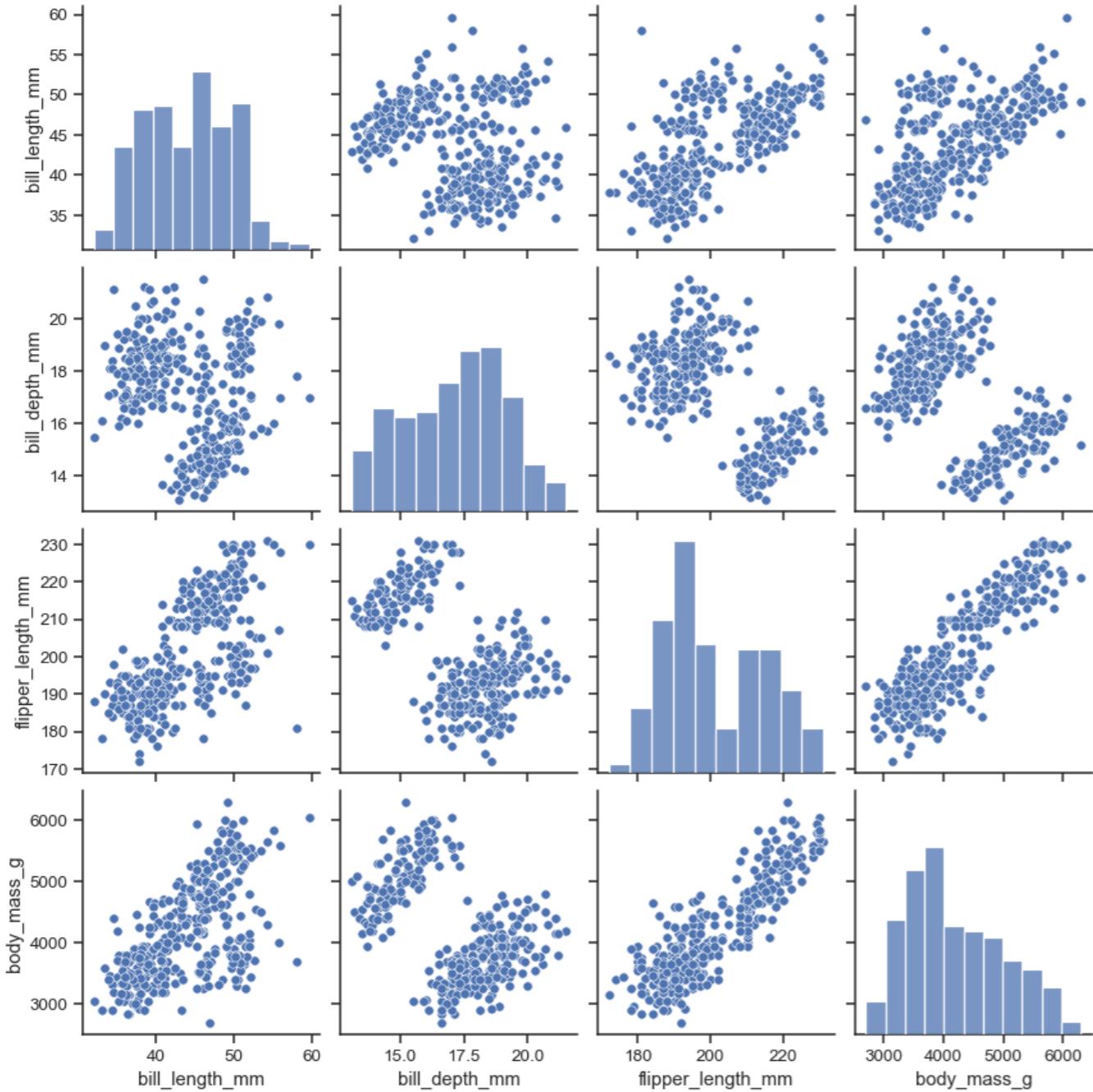


Joint plots



```
seaborn.jointplot(  
    x = "x",  
    y = "y",  
    data = DataFrame  
)
```

Pair plots



```
seaborn.pairplot(  
    data = DataFrame  
)
```

Steps for building a plot in Power BI

```
import matplotlib.pyplot as plt  
import seaborn as sns
```

```
# Data transformation steps  
...
```

```
seaborn.___plot(  
    data = DataFrame,  
    ...  
)
```

```
plt.show()
```

Let's practice!

INTRODUCTION TO PYTHON IN POWER BI

Building Python-based visualizations

INTRODUCTION TO PYTHON IN POWER BI



Jacob H. Marquez

Instructor

Let's practice!

INTRODUCTION TO PYTHON IN POWER BI