

1 # Descriptive Statistics
2 df.describe()

😕 L13-pandas-basics.ipynb 🗴 ₩ Ш … notebook > □ L13-pandas-basics.ipynb > M+ pandas Basics > M+ csv to DataFrame > M+ Bar Chart > → # Bar Chart + Code + Markdown | ▶ Run All り Restart 🗮 Clear All Outputs | 蠮 View data 🗔 Jupyter Variables 🗏 Outline … Python 3.13.0 + Code + Markdown pandas Basics Data Analyst: Gyro A. Madrona Department: Electrical Engineering 1 #%pip install pandas --upgrade
2 #%pip install matplotlib --upgrade 1 import pandas as pd 2 import numpy as np 3 import matplotlib.pyplot as plt DataFrame 1 # Creating dictionary "Name":['Henry','Owen','Ada'],
"Age":[22,35,58],
"Sex":['M','M','F'] 1 # Creating DataFrame from dictionary 2 df = pd.DataFrame(data) Series 1 df['Name'] 1 df['Age'] 1 df['Sex'] **Descriptive Statistics** 1 # Voltage response data 7 voltage = voltage.T 1 # Creating DataFrame from numpy array
2 df = pd.DataFrame(voltage,columns=['Measurement_No','Instrument_A','Instrument_B']) 3 df



Bar Chart

csv to DataFrame

Bar Chart

```
1 # Creating new DataFrame for the mean
2 df_w = df.groupby('Machine').mean().reset_index()
3 df_w

@ Open'df_w' in Data Wrangler

Python

1 # Bar Chart
2 plt.figure()
3 plt.bar(df_w['Machine'],df_w['Resistance'])
4 plt.title('Average Resistance by Machine')
5 plt.ylabel('Resistance (ohms)')
6 plt.show()
7
```