

The background is a dark blue gradient. In the corners, there are white line art illustrations of circuit boards or data paths, consisting of straight lines and small circles.

DATA VISUALIZATION

CHAPTER 7

DIRECT PLOTTING - DEMO

- Line Plot
- Bar Plot
- Pie Chart
- Box Plot
- Histogram
- Scatter Plot

SEABORN PLOTTING SYSTEM - DEMO

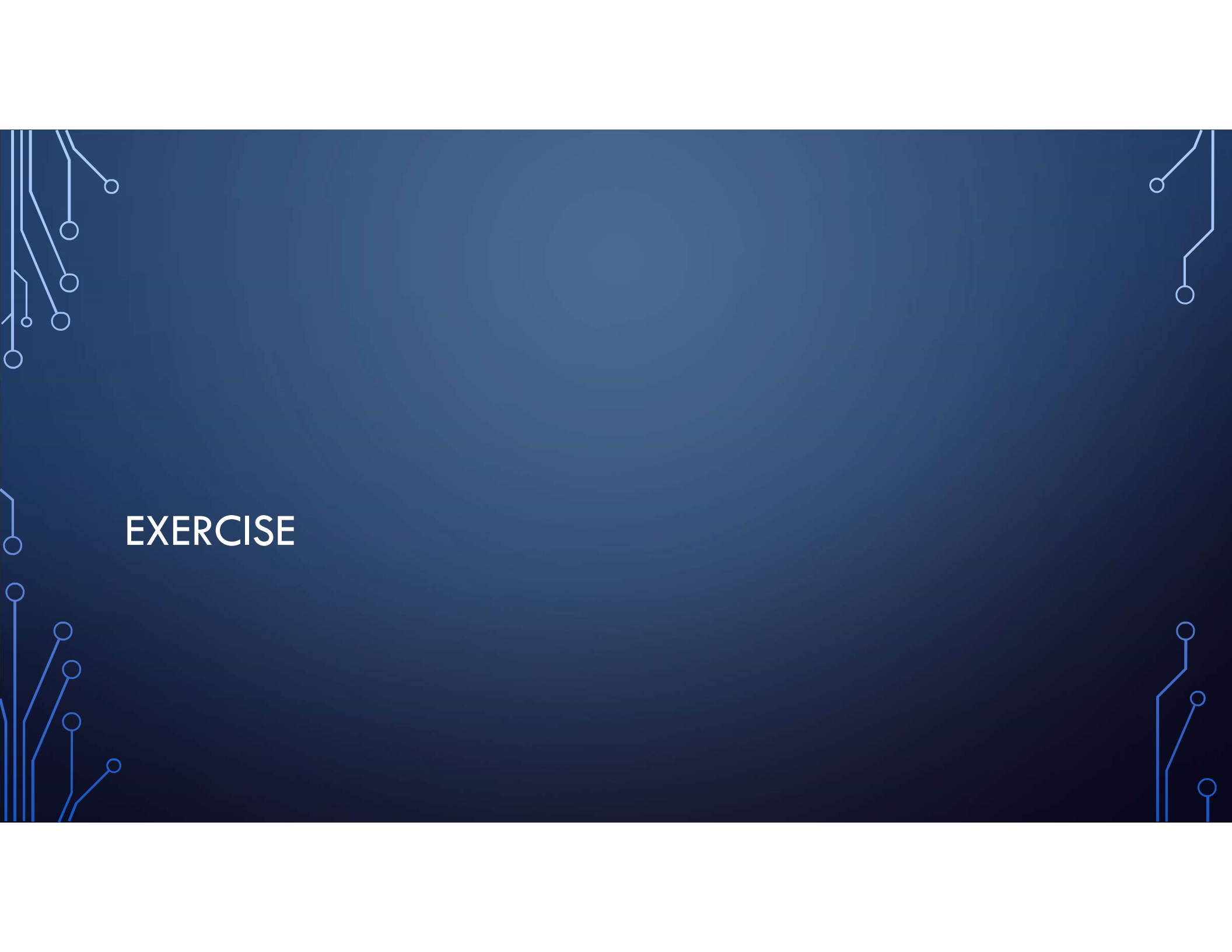
- Strip Plot
- Box Plot
- Swarm Plot
- Joint Plot

MATPLOTLIB PLOT - DEMO

- Line Plot
- Bar Chart
- Histogram
- Scatter Plot
- Stack Plot
- Pie Chart

SUMMARY

- How to directly plot data from a series, data frame, or panel using Python plotting tools such as line plots, bar plots, pie charts, box plots, histogram plots, and scatter plots.
- How to implement the Seaborn plotting system using strip plotting, box plotting, swarm plotting, and joint plotting.
- How to implement Matplotlib plotting using line plots, bar charts, histogram plots, scatter plots, stack plots, and pie charts.

The background is a dark blue gradient with a subtle, abstract pattern of light blue lines and circles, resembling a circuit board or a network diagram. The pattern is more dense on the left and right sides, with lines and circles extending from the edges towards the center.

EXERCISE