

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

DATA EXPLORING AND ANALYSIS

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

DEMO: SERIES DATA STRUCTURES

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DEMO: DATA FRAME DATA STRUCTURES

The background is a dark blue gradient. In the corners, there are white line-art illustrations of circuit traces and nodes, resembling a printed circuit board (PCB) layout. These elements are positioned in the top-left, top-right, bottom-left, and bottom-right corners, framing the central text.

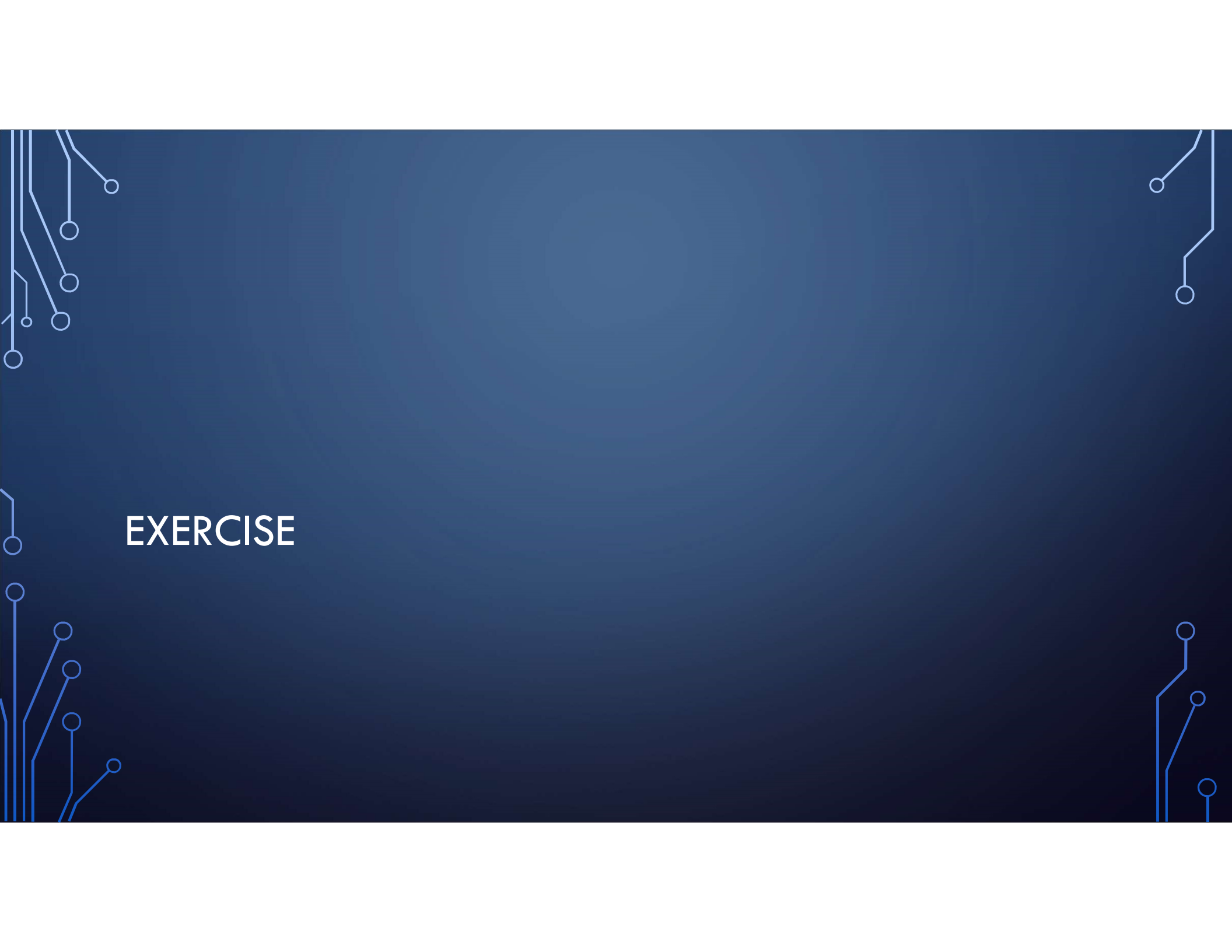
DEMO: DATA ANALYSIS

SUMMARY

- How to implement Python techniques to explore and analyze a series of data, create a series, access data from series with the position, and apply statistical methods on a series.
- How to explore and analyze data in a data frame, create a data frame, and update and access data. This included column and row selection, addition, and deletion, as well as applying statistical methods on a data frame.

SUMMARY

- How to apply statistical methods on a panel to explore and analyze its data.
- How to apply statistical analysis on the derived data from implementing Python data grouping, iterating through groups, aggregations, transformations, and filtration techniques.

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