How the data analysis process guides this program

Ask ──── 1

- Ask effective questions
- Define the problem
- Use structured thinking
- Communicate with others

2 ──── **Prepare**

- Understand how data is generated and collected
- Identify and use different data formats, types, and structures
- Make sure data is unbiased and credible
- Organize and protect data

Process ──── 3

- Create and transform data
- Maintain data integrity
- Test data
- Clean data
- Verify and report on cleaning results

4 ──── **Analyze**

- Use tools to format and transform data
- Sort and filter data
- Identify patterns and draw conclusions
- Make predictions and recommendations
- Make data-driven decisions

Share ──── 5

- Understand visualization
- Create effective visuals
- Bring data to life
- Use data storytelling
- Communicate to help others understand results

6 ──── **Act**

- Apply your insights
- Solve problems
- Make decisions
- Create something new