

Project 02 - Python Data Explorer

Dataset inspection

- Number of rows:
- Number of columns:
- Numerical columns:
- Categorical columns:
- What each column represents:

Data-quality check

- Missing values found:
- Duplicate rows found:
- Cleaning actions taken:
- Why these actions were appropriate:

Selected summaries

- Average monthly spending:
- Average number of purchases:
- Largest membership group:
- Highest-spending membership group:

Three important findings

1. _____
2. _____
3. _____

Responsible data check

- ☐ Personal data is not unnecessarily exposed
- ☐ Customer IDs are used instead of full names
- ☐ Missing values are handled transparently
- ☐ Rows are not deleted without checking the reason
- ☐ Findings are based on the data and not assumptions

Completion checklist

- ☐ Python and pandas are installed
- ☐ The dataset loads successfully
- ☐ I inspected the rows and columns
- ☐ I checked data types
- ☐ I identified missing values
- ☐ I removed duplicate rows
- ☐ I calculated summary statistics
- ☐ I grouped or filtered the data
- ☐ I created one chart
- ☐ I wrote three findings
- ☐ I completed the README