



Project Summary

This project is a Python-based e-commerce data analysis using SQL and popular Python libraries like Pandas, Matplotlib, and Seaborn. The notebook connects to a MySQL database named 'ecommerce' to perform various analytical queries and visualizations.

Key analyses include:

- Listing unique customer cities
- Counting orders placed in specific years (e.g., 2017)
- Calculating total sales per product category
- Determining the percentage of orders paid in installments
- Analyzing and visualizing the number of customers from each state
- Identifying top-spending customers annually

The project demonstrates practical SQL querying combined with Python for data extraction, manipulation, and visualization in an e-commerce context.