

MentorBI Project Documentation

Data Analysis Project

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1 Project Overview

This document summarizes a data analysis project using Python and SQL to analyze e-commerce data.

2 Data Extraction

The project extracts data from an SQL database using the following code:

```
query = "SELECT * FROM ecommerce"  
df = pd.read_sql(query, conn)
```

This code retrieves all records from the `ecommerce` table and loads them into a pandas DataFrame named `df` for further analysis.

3 Technical Components

- **Database Connection:** The code uses a pre-established database connection object `conn`.
- **SQL Query:** A simple SELECT statement retrieves all data from the `ecommerce` table.
- **Data Framework:** Pandas is used to store and manipulate the retrieved data.

4 Next Steps

Potential next steps in this analysis could include:

- Data cleaning and preprocessing
- Exploratory data analysis
- Visualization of key metrics

- Statistical analysis of e-commerce patterns
- Machine learning model development for predictions