

Healthcare Claims Analysis - Project Summary

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Tools & Technologies Used:

- Python (Pandas, Matplotlib, Seaborn)
- SQL (Snowflake-style queries)
- Jupyter Notebook
- Git & GitHub

Dataset Description:

- Synthetic dataset of 4,500+ healthcare claims
- Fields include Claim ID, Patient ID, Provider, Claim Type, Claim Amount, and Claim Date

Objectives:

- Analyze distribution of claim types
- Identify top providers by claim value
- Detect monthly trends in claim costs

Key Insights:

- Outpatient claims constitute approximately 43% of all entries
- Top 3 providers contribute to nearly 60% of total claim expenditures
- Significant claim spikes observed in March and November

Conclusion:

This project demonstrates the use of Python and SQL to extract actionable insights

from structured healthcare data, enabling efficient reporting and trend analysis.