

Welcome To Data Analytics Portfolio

Week 1 – Week 6 Projects

Subtitle:

Business • Healthcare • Sports • Finance • E-commerce Analytics

Apoorva Kadiyala
Aspiring Data Analyst
Tools: Python, SQL, Excel & PowerBI

Objective

Apply analytics techniques to real-world datasets

Generate actionable business insights

Build domain-specific dashboards and reports

Projects Covered

Business Sales Analysis

HealthCare Data Analytics

Sports Analytics

Financial Market Analysis

E-commerce Analytics



Tools & Technologies

Data Processing: Python (Pandas, NumPy)

Visualization: Power BI / Tableau / Matplotlib

Analysis: Excel, SQL

Reporting: PDF Reports, Dashboards, Presentations

Project 1 – Business Sales Analysis

Problem Statement

Analyze sales trends, customer behavior, and product performance.

Dashboard Includes

Monthly & yearly sales trends

Top-performing products

Region-wise sales

Customer purchase frequency

Project 2 – Healthcare Data Analysis

Problem Statement

Analyze patient statistics, treatment outcomes, and hospital performance.

Dashboard Includes

Patient demographics

Recovery & mortality rates

Department-wise performance

Average length of stay



Project 3 – Sports Analytics

Problem Statement

Evaluate player performance, team statistics, and match outcomes.

Dashboard Includes

- Player performance metrics**
- Match win/loss trends**
- Performance consistency index**



Project 4 – Financial Market Analysis

Problem Statement

Analyze stock trends, portfolio performance, and investment risk.

Dashboard Includes

- Stock price trends
- Moving averages
- Portfolio returns
- Volatility & risk metrics

Project 5 – E-commerce Analytics

Problem Statement

Understand customer behavior and improve personalization.

Dashboard Includes

- Customer segmentation
- Purchase frequency
- Product recommendation trends
- Cart abandonment analysis

Overall Cross–Project Insights

Data analytics enables better decision–making across industries.

Patterns such as customer concentration, performance consistency, and risk management appear across domains.

Visualization and dashboards play a critical role in communicating insights effectively.

Business impact improves when insights are actionable and clearly presented.

A unified analytics portfolio showcases both technical expertise and business understanding.



Unified Dashboard View

Purpose

Single view showcasing analytics capabilities across domains.

Includes:

- KPIs from all projects

- Interactive filters by domain

- Summary insights panel

Reporting & Documentation

Reports Created

- Executive summary reports (PDF)
- Project-wise insight documents
- Dashboard snapshots

Focus Areas

- Business impact
- Clear storytelling
- Data-driven decision support



Business Impact

- Improved decision-making through insights**
- Identified performance gaps**
- Supported strategic planning**
- Demonstrated end-to-end analytics workflow**



Conclusion

Strong foundation in data analytics

Experience across multiple industries

Hands-on dashboard & reporting skills

Ready for Data Analyst / Business Analyst roles

Contact

Email ID: apoorvakadiyala@gmail.com

Linkedin: www.linkedin.com/in/apoorvakadiyala

Github: <https://github.com/Apookadyy>

Thank You

