



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



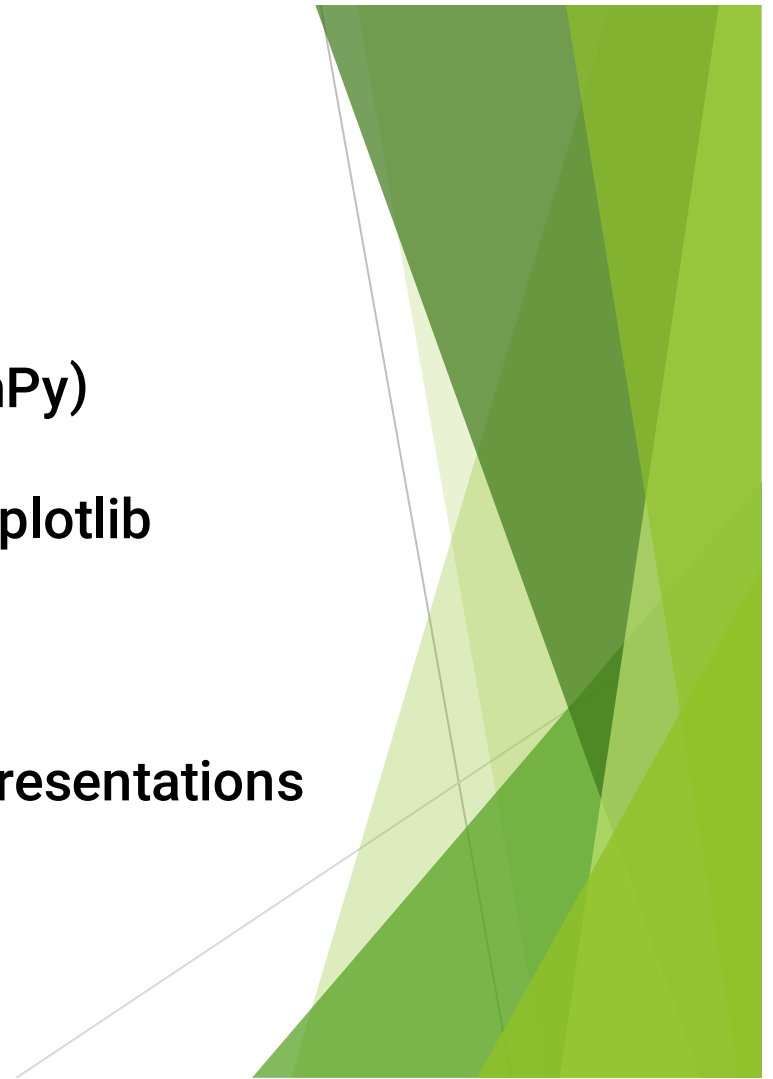
Tools & Technologies

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.

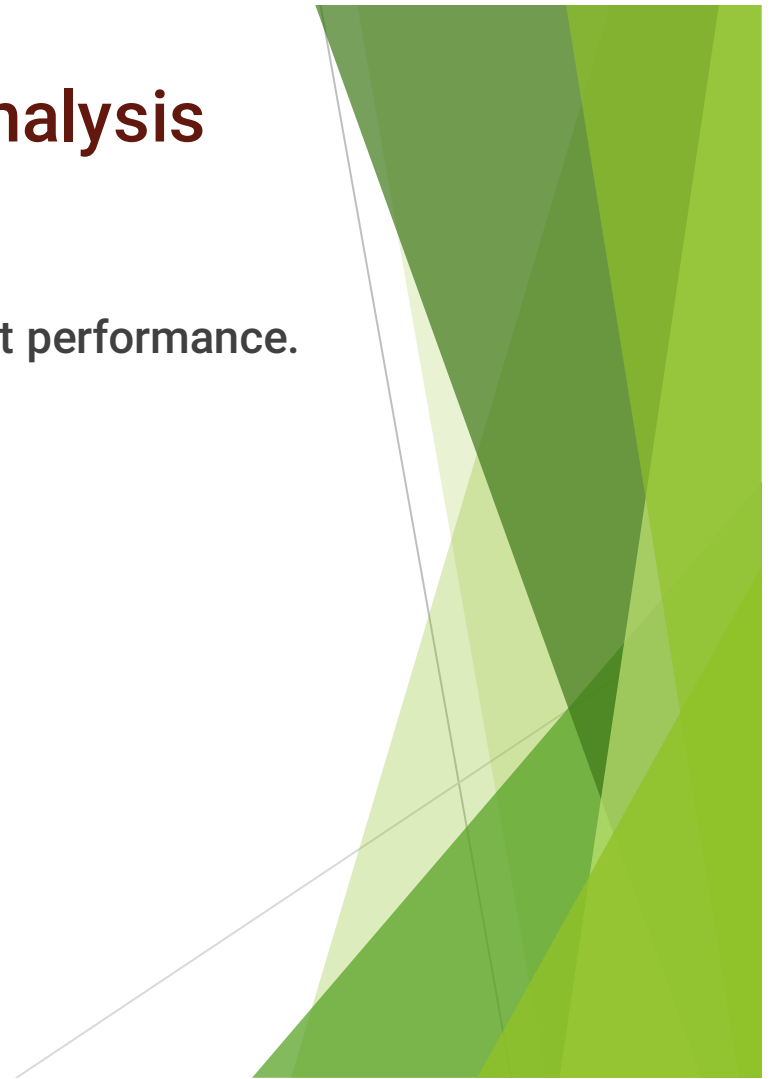
Dashboard Includes

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



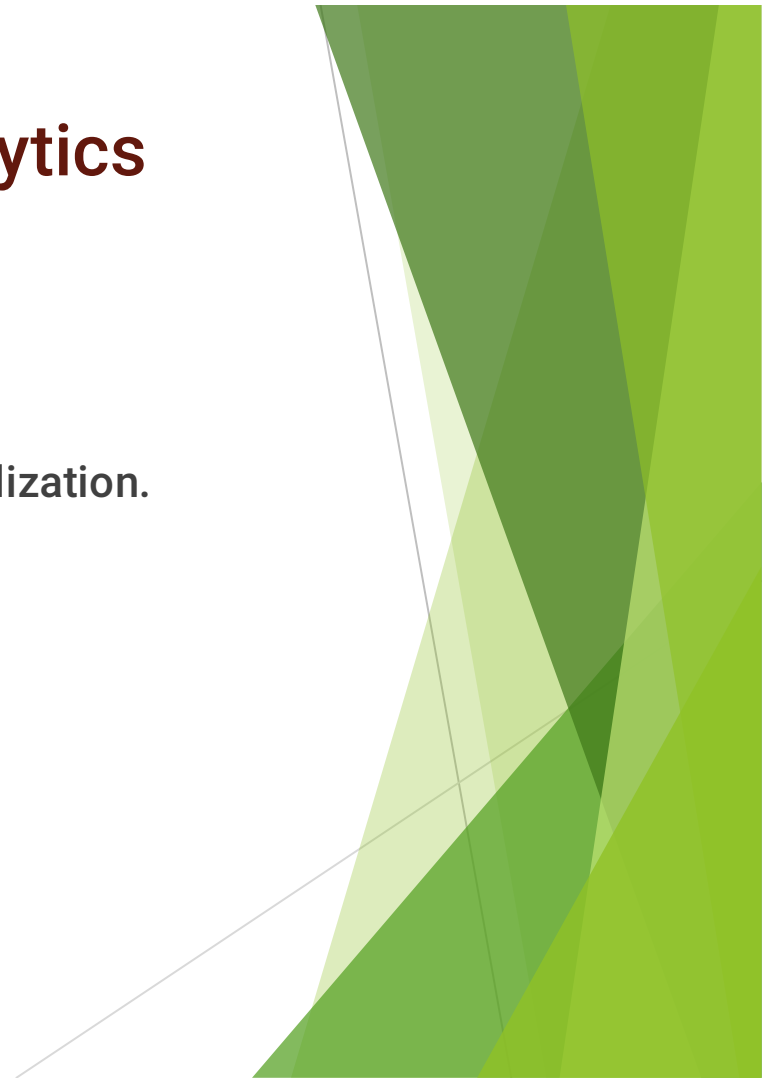
Project 5 – E-commerce Analytics

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

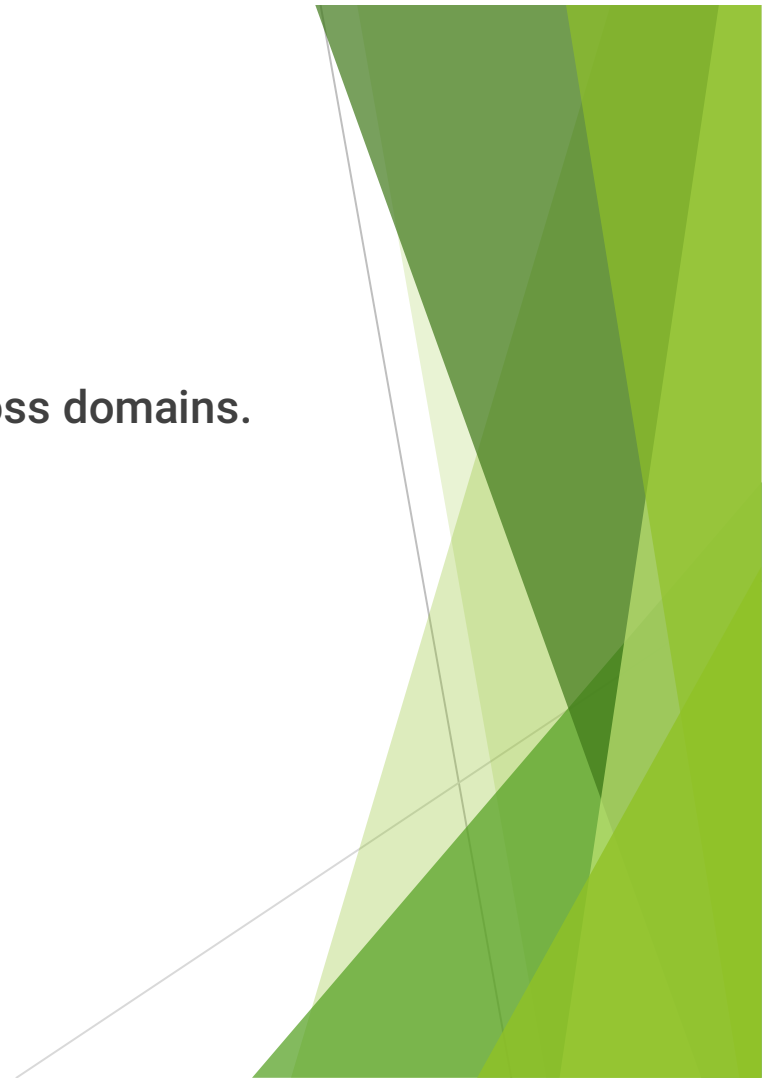
Single view showcasing analytics capabilities across domains.

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



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Thank You

