

WEEK-5:PIPELINE AUTOMATIONS WITH AZURE DEVOPS

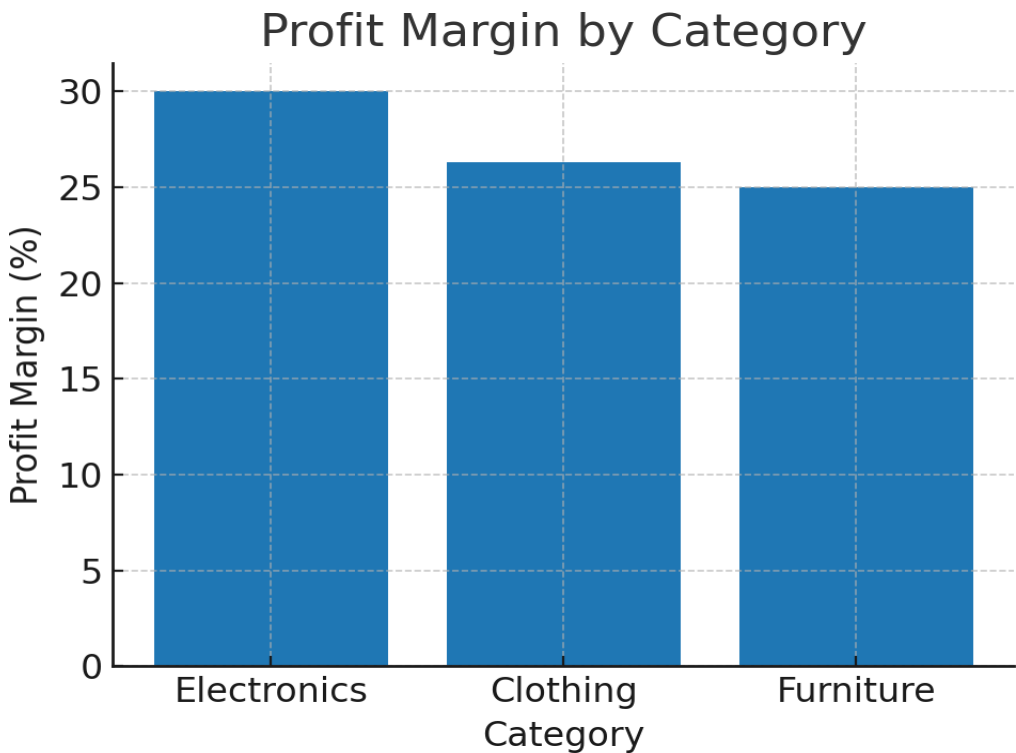
Project Objective:

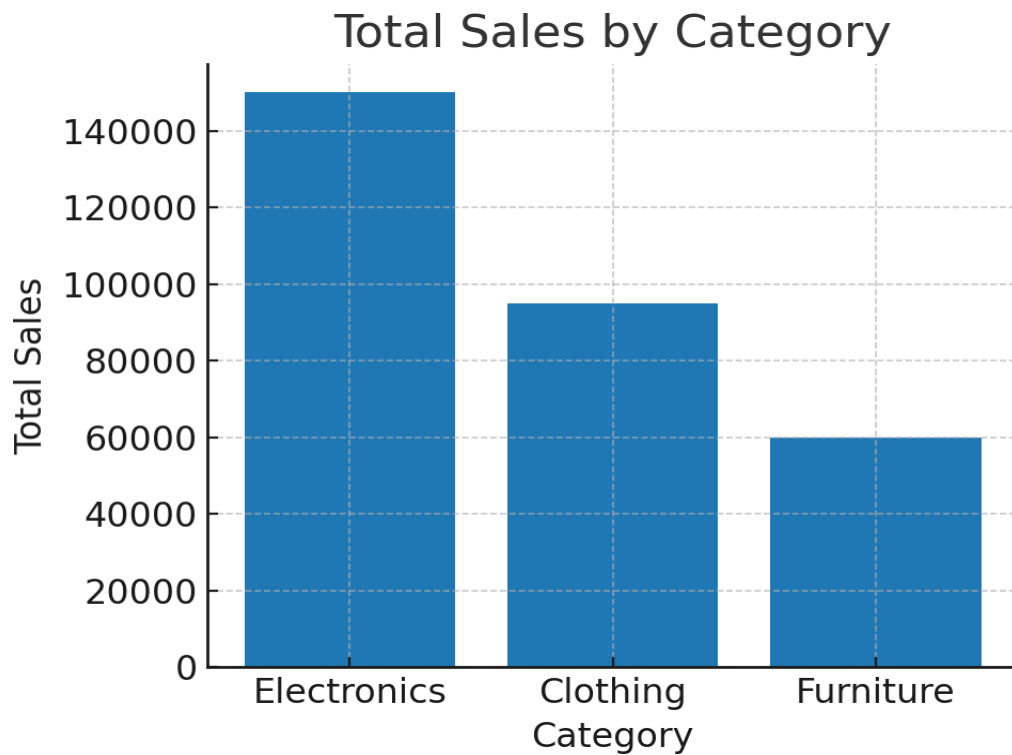
Week 5 focuses on automating the ETL process, generating insights from cleaned sales data, and setting up Azure DevOps CI/CD pipelines for continuous integration and deployment.

Key Metrics by Category:

Category	Total Sales	Total Profit	Profit Margin (%)	Top Products
Electronics	150000	45000	30.0	Laptop, Mouse, Headphones
Clothing	95000	25000	26.3	T-Shirts, Jeans, Jackets
Furniture	60000	15000	25.0	Sofa, Chair, Table

Visual Insights:





Azure DevOps CI/CD Setup:

1. Continuous Integration (CI): Automatically fetches code, runs ETL, processes sales data, and publishes metrics.
2. Continuous Deployment (CD): Deploys processed outputs and dashboards to Azure Blob Storage / Web App.
3. Ensures dashboards are always up-to-date with the latest sales insights.

Final Deliverables:

- Cleaned & Transformed Data (CSV)
- Profit & Sales Metrics (CSV)
- Top 3 Products (CSV)
- Azure DevOps CI/CD Pipelines
- Final Dashboard Visualizations