Data Analyst Roadmap for 5–10 LPA (With Projects)

This roadmap is designed for freshers and early professionals aiming for higher-paying Data Analyst roles. It focuses on job-ready skills, strong projects, and interview preparation.

Who This Roadmap Is For

1   Freshers targeting strong entry-level packages.

2   Professionals with 0–2 years experience wanting growth.

3   Anyone serious about building a solid analytics portfolio.

Phase 1: Strong Foundations (Weeks 1–2)

1   Understand business problems and analytical thinking.

2   Basic statistics: average, percentage, trends.

3   Excel basics for data handling.

Phase 2: Advanced Excel & SQL (Weeks 3–8)

1   Advanced Excel: Pivot Tables, Power Query, dashboards.

2   SQL: JOINs, subqueries, aggregations, performance basics.

3   Practice writing clean, readable queries.

Project 1: Sales Performance Analysis

Analyze sales data using Excel and SQL. Identify top products, regions, and monthly trends. Present insights using charts and summaries.

Phase 3: Data Visualization (Weeks 9–12)

1   Power BI or Tableau: advanced visuals and slicers.

2   Dashboard storytelling for business users.

Project 2: Business Dashboard Project

Create an interactive dashboard showing KPIs, growth metrics, and filters for stakeholders.

Phase 4: Python for Data Analysis (Weeks 13–16)

1   Pandas, NumPy, basic data cleaning.

2   Exploratory data analysis (EDA).

Project 3: Customer Behavior Analysis

Use Python to analyze customer data, identify churn patterns, and generate insights.

Phase 5: Advanced Skills & Portfolio (Weeks 17–20)

1. SQL optimization and real-world case studies.

2. End-to-end project documentation.

3. Resume and LinkedIn optimization.

Project 4: End-to-End Analytics Case Study

Take raw data, clean it, analyze it, build dashboards, and present insights as a business report.

Interview Preparation for Higher Packages

1. Explain projects clearly and confidently.

2. Focus on business impact, not just tools.

3. Practice SQL and scenario-based questions.

Final Note

Reaching a 5–10 LPA package requires consistency, strong projects, and clear communication. This roadmap provides direction, but execution makes the difference.