

Power BI Project Management Dashboard – Documentation

1. Introduction

This document provides an in-depth overview of the Power BI Project Management Dashboard, detailing the methodology, data structure, and key insights derived from the analysis.

2. Project Overview

Objective:

The Power BI Project Management Dashboard is designed to help project managers monitor and optimize project performance through interactive visualizations. The dashboard enables real-time tracking of project costs, benefits, completion status, and phase progression.

Tools Used:

- Power BI
- CSV (Excel)
- Data Modelling & Transformation

3. Data Structure

The dataset used for the dashboard includes the following fields:

Field Name	Description
Project Name	Name of the project
Project Description	Brief details about the project
Project Type	Category of the project (Cost Reduction, Income Generation, etc.)
Project Manager	Assigned project manager
Region	Geographic region of the project
Department	Department responsible for the project
Project Cost	Estimated cost of the project
Project Benefit	Expected financial benefit from the project
Complexity	Level of project complexity (High, Medium, Low)
Status	Current status of the project (In Progress, On-Hold, Completed, etc.)
Completion %	Percentage of work completed
Phase	Current phase of the project
Year	Year of project execution
Month	Month of project execution
Start Date	Start date of the project
End Date	Estimated completion date of the project

4. Dashboard Features

The dashboard consists of several key components:

A. Summary Metrics:

- **Cost Reduction:** Total cost savings achieved across projects.
- **Income Generation:** Total revenue generated from projects.
- **Process Improvement:** Value derived from process enhancement initiatives.
- **Working Capital:** Financial resources allocated to ongoing projects.

B. Project Insights:

- **Project Cost & Benefit Analysis:** Visualized through pie charts, showing the distribution across different regions and departments.
- **Project Phases Progression:** A bar chart representing project progress in different phases (Explore, Develop, Plan, Measure, Implement).
- **Project Status Overview:** A tabular format summarizing project details, completion percentages, and current phase.

5. Key Outcomes

- **Enhanced Decision-Making:** The dashboard helps project managers assess financial feasibility and optimize resource allocation.
- **Improved Tracking & Monitoring:** The ability to monitor project phases and completion percentages ensures timely delivery.
- **Data-Driven Insights:** Facilitates trend analysis for cost reduction and revenue generation strategies.

6. Future Enhancements

- **Automated Data Refresh:** Implementing scheduled data refresh for real-time updates.
- **Advanced Predictive Analytics:** Integrating machine learning for predictive forecasting of project success.
- **Customizable Dashboards:** Allowing users to customize views based on specific project needs.

7. Conclusion

The Power BI Project Management Dashboard is a powerful tool for tracking project performance, financial metrics, and operational efficiency. It empowers project managers with actionable insights, leading to informed decision-making and enhanced project execution.

[\[View Project\]](#)

