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01

Project Overview

Key user attributes: Project Name, Project Description, Project Type, Project Manager, Region, Department, Project Cost, Project Benefit, Complexity, Status, Completion, Phase, Year, Month, Start Date & End Date

02

Libraries and Data Handling

Libraries use: Pandas, Matplotlib, Seaborn.

Data Loading and preprocessing: Loading from CSV, data cleaning, handling dates and categorical data.

03

Data Analysis Technique

Descriptive statistics: Mean, median, count, standard deviation.

Visualization methods: Bar charts, pie charts, and heatmaps.

04

Key Findings

Project Information: Project Type Distribution, Complexity Trend.

Project Progression: Status and Phase, Complexity Trend.

Department Specialization: Regions, Preferred Project Type.

05

Advance Analysis

Geographical insights: Categorization in to Departments.

Temporal trends: Project Timeline.

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Visual Insights

Project distribution: pie charts, bar graphs, implications, and strategy

07

Conclusion

Summary of insights derived, implications for future strategic decisions.

Appendix

Code Snippets: Provided Python code used for loading, cleaning, transforming data, and generating visualizations.

Datasets: Sample dataset of Project Management for data analysis.

Additional References: Referenced any external datasets or tools used during the analysis process.

Github Website Link:

<https://github.com/NORA1604/CEEL-302-Finals/>