

Problem and Solution Document

Project Title: Housing Trends Analysis using Tableau Dashboard

1. Problem Statement

- The housing dataset contains a large amount of raw data which is difficult to understand directly.
- Users cannot easily identify housing price trends from tables or raw numbers.
- It is difficult to analyze the distribution of house prices and house ages.
- There is no clear visual representation of housing information.
- Decision-making becomes difficult without proper visualization.
- Users need an easy way to analyze housing trends and patterns.

2. Proposed Solution

- Use Tableau to convert raw housing data into visual dashboards.
- Create bar charts to show housing price distribution clearly.
- Use pie charts to display house age distribution.
- Create KPI cards to show important summary values such as total houses and average price.
- Combine multiple visualizations into one interactive dashboard.
- Design the dashboard with simple and clear layout.
- Use proper colors and formatting for better understanding.
- Help users easily identify trends, patterns, and insights.

3. Benefits of the Solution

- Improves understanding of housing data.
- Provides clear visual representation.
- Saves time in data analysis.
- Helps users identify important trends.
- Makes decision-making easier.
- Provides interactive and user-friendly dashboard.

4. Conclusion

The Tableau dashboard provides an effective solution to convert raw housing data into meaningful visual insights. It helps users understand housing trends easily and improves data analysis efficiency.