

Project title: Heart Disease Analysis using tableau

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Project Design Phase-I - Solution Fit Template

Problem–Solution Fit means identifying a real problem faced by users and ensuring that the proposed solution effectively addresses that problem. In the context of this project, users such as patients, healthcare professionals, and decision-makers struggle to understand heart disease risk factors due to complex, scattered, and non-visual health data. The proposed solution—interactive Tableau dashboards and story-based visualizations—directly addresses this challenge by transforming raw health data into clear, meaningful, and actionable insights. Solve complex problems in a way that fits the state of your customers.

Purpose

- To solve the problem of poor understanding of heart disease risk factors by presenting data in a clear and user-friendly manner.
- To support faster and more informed healthcare decisions through interactive visual analytics.
- To increase adoption of data-driven healthcare insights by using familiar visualization tools such as Tableau.
- To improve communication of health risks and trends through storytelling dashboards that enhance awareness and trust.
- To understand the current challenges faced by users in interpreting heart disease data and improve their experience through better visualization and analysis.

Problem-Solution Fit Canvas

Heart Disease Analysis

1. CUSTOMER SEGMENT(S) Customer Segment EL Patients, Healthcare Professionals, and Decision-Makers	6. CUSTOMER LIMITATIONS Hypothetical EE Complex, Scattered Health Data	5. AVAILABLE SOLUTIONS PROS & CONS AS Generic spreadsheets BI dashboards
2. PROBLEMS / PAINS - ITS FREQUENCY Caring & Empathetic SL Disjointed health data Weak visual insights Scattered datasets	9. PROBLEM ROOT / CAUSE RC Fragmented, static dashboards	7. BEHAVIOR - ITS INTENSITY AS Constant spreadsheet - updates digging for meaningful numbers
3. TRIGGERS TO ACT Catching & Nudging; Gathering SL Filter by age, lifestyle Risk comparison charts	10. YOUR SOLUTION SL Interactive Tableau dashboards with dark UI for clear, user-friendly analytics of heart disease risks, using eye-comfort colors, intuitive story points, and drag-and-drop filters.	8. BEHAVIOR - ITS INTENSITY AS Web Applications (Online) Reports & Presentations (Offline)
4. EMOTIONS BEFORE / AFTER EM Confused Informed	4. EMOTIONS BEFORE / AFTER EM Confused Informed	8. CHANNELS of BEHAVIOR ONLINE • Web Applications (Online) • Reports & Presentations (Offline)