

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) Patients, Healthcare Professionals, and Decision-Makers	6. CUSTOMER LIMITATIONS Complex, Scattered Health Data	5. AVAILABLE SOLUTIONS - PROS & CONS Generic spreadsheets BI dashboards	
2. PROBLEMS / PAINS - ITS FREQUENCY Disjointed health data Weak visual insights Scattered datasets	9. PROBLEM ROOT / CAUSE Fragmented, static dashboards	7. BEHAVIOR - ITS INTENSITY Constant spreadsheet - updates digging for meaningful numbers	
3. TRIGGERS TO ACT Filter by age, lifestyle Risk comparison charts	10. YOUR SOLUTION 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 Web Applications (Online) Reports & Presentations (Offline)	
4. EMOTIONS BEFORE / AFTER Confused Informed		8. CHANNELS of BEHAVIOR ONLINE • Web Applications (Online) • Reports & Presentations (Offline)	
4. EMOTIONS BEFORE / AFTER Confused Informed			