

Heart Disease Survival Analysis Report

Introduction

This report presents an analytical overview of heart disease patient survival using an interactive Power BI dashboard. The analysis focuses on survival status, age groups, gender distribution, and critical medical conditions such as diabetes and cancer.

Objective

The objective of this project is to identify survival patterns among heart disease patients and understand how age, gender, and medical conditions impact patient outcomes.

Dataset Overview

The dataset consists of 299 patient records containing demographic details, medical history, and survival outcomes. Key attributes include age, gender, diabetes status, cancer indication, serum sodium levels, and death events.

Key Performance Indicators (KPIs)

- Total Patients: 299
- Total Deaths: 96
- Total Alive: 203
- Survival Rate: 68%

Power BI Dashboard Overview



Key Insights

- Survival rate decreases with increasing age, especially beyond 60 years.
- Patients aged 51–70 show the highest survival counts.
- Diabetes and cancer prevalence increases with age and negatively impacts survival.
- Serum sodium levels show variation across age groups and correlate with death events.

Conclusion

This Power BI dashboard provides meaningful insights into heart disease survival trends. The analysis can assist healthcare professionals and analysts in identifying high-risk groups and making data-driven decisions for improved patient care.

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