Healthcare Dashboard – AI Analysis

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Date: 25/11/2025

1. Project Overview

This project analyzes healthcare data through data cleaning, transformation, pivot tables, AI-assisted insights, and dashboard creation in Excel.

2. Dataset Used

The project uses three datasets—Customer Names, Medical Examinations, and Hospitalization Details. These were merged into a single 'Healthcare' sheet using XLOOKUP/Data Model. The final dataset includes fields like BMI, HBA1C, Weight Status, Diabetes Status, Charges, Hospital Tier, and more.

3. Dashboard Insights

Key insights: • Cancer History: Comparison between smokers and non-smokers. • Charges vs Weight Status: Identifies cost variations across BMI categories. • Hospital Tier Analysis: Average patient charges by tier. • Weight Status Distribution: Breakdown of Normal, Overweight, Obese, Underweight. • HBA1C vs Diabetes Status: Tracks glucose markers. • Cancer Incidence by Age Groups: Identifies age-related patterns.

4. Tools and Methods Used

• Excel Pivot Tables • Excel Charts (Pie, Doughnut, Column, Bar) • Slicers for Weight and Diabetes status • Quick Analysis for automated metrics • Data cleaning and transformation steps

5. Dashboard Screenshot

Insert your dashboard screenshot here after downloading this PDF.

6. Author Information

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