

Automated Data Analysis Report : AUTOMATED REPORT

This automated report is generated using Python.

It uses libraries like pandas (for data handling), matplotlib & seaborn (for visualization), and fpdf (for PDF generation).

Dataset: diabetes_prediction_dataset.csv

Rows: 100000, Columns: 9

Descriptive Statistics

Metric	age	hypertension	heart_disease	bmi	HbA1c_level	blood_glucose	diabetes
count	100000.0	100000.0	100000.0	100000.0	100000.0	100000.0	100000.0
mean	41.89	0.07	0.04	27.32	5.53	138.06	0.08
std	22.52	0.26	0.19	6.64	1.07	40.71	0.28
min	0.08	0.0	0.0	10.01	3.5	80.0	0.0
25%	24.0	0.0	0.0	23.63	4.8	100.0	0.0
50%	43.0	0.0	0.0	27.32	5.8	140.0	0.0
75%	60.0	0.0	0.0	29.58	6.2	159.0	0.0
max	80.0	1.0	1.0	95.69	9.0	300.0	1.0

Correlation Heatmap

