

Healthcare Data Analysis – Diabetes Risk

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Dataset Summary

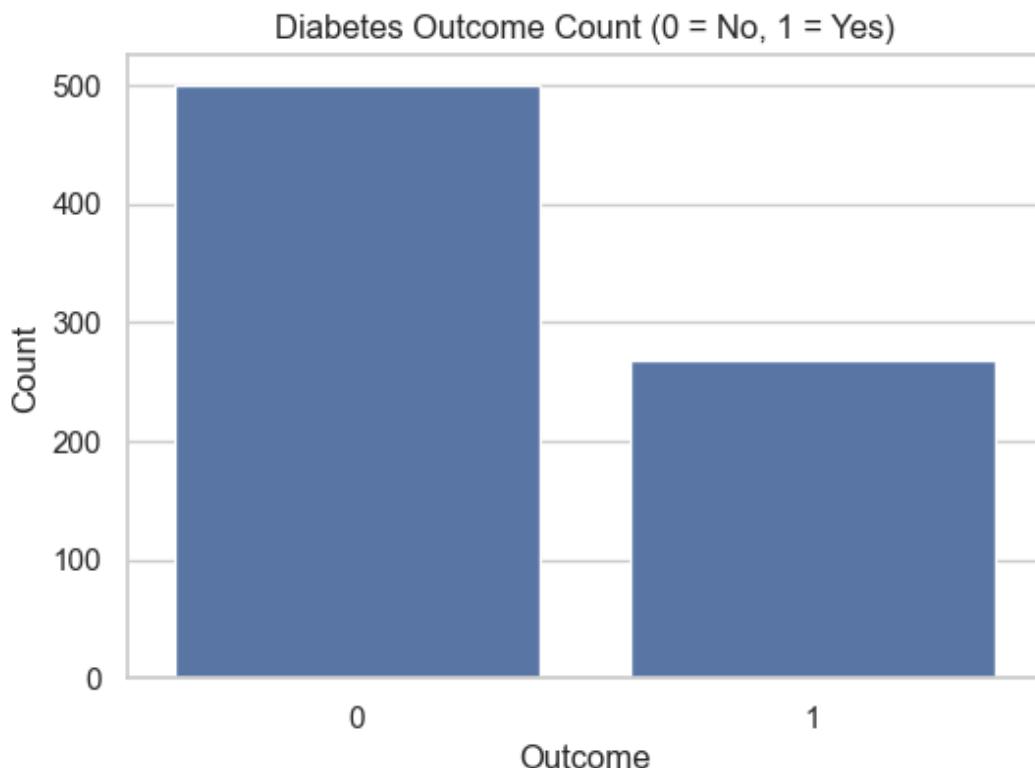
- Total records: 768
- Diabetes positive cases (Outcome=1): 268
- Diabetes negative cases (Outcome=0): 500
- Diabetes prevalence in this dataset: 34.90%

Key Health Indicators (Averages)

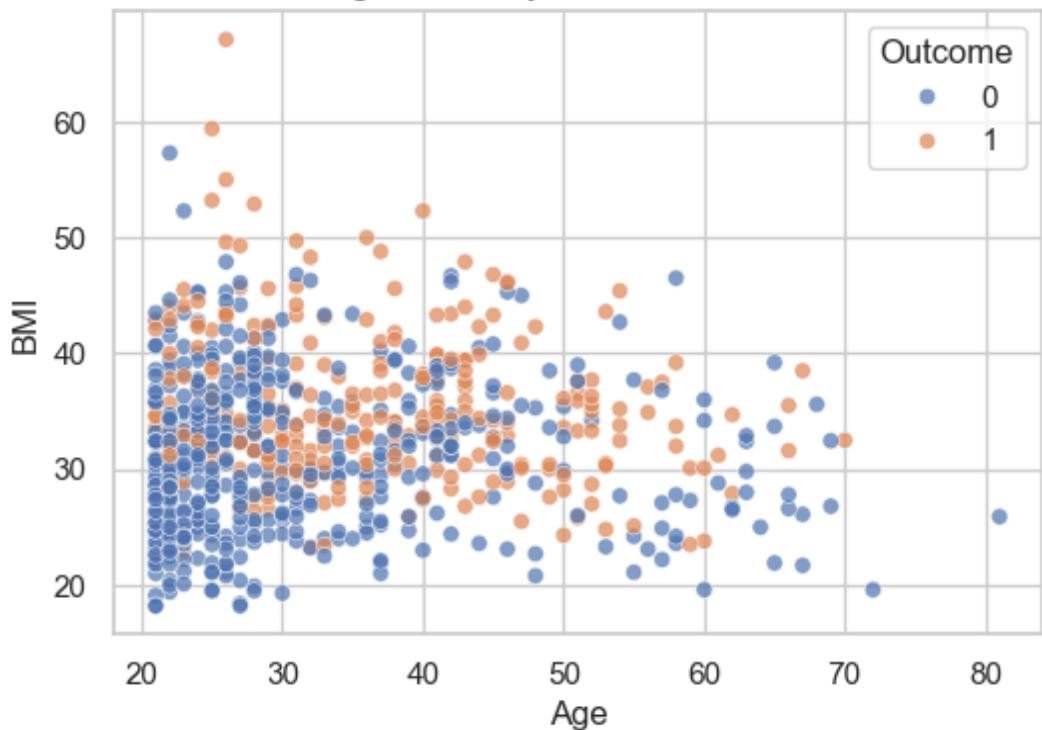
- Average Glucose Level: 121.69
- Average BMI: 32.46
- Average Age: 33.24 years

High-Level Insights

- Individuals with higher glucose levels are more likely to be diagnosed with diabetes.
- Higher BMI is also associated with increased diabetes risk.
- Age combined with BMI shows clear clustering of higher-risk groups.
- Correlation heatmap helps identify which features are most related to the Outcome.



Age vs BMI by Diabetes Outcome



Glucose Level Distribution

