

PrediX: Diabetes Risk Report

Patient: nik

Age: 19

Date: May 02, 2025

Estimated time to progression to Type 2 Diabetes: 1.3 years

Top Risk Factors & Recommendations

Genetic Risk Score (Input: 10) - Impact: -0.76

High genetic risk. Focus on strict lifestyle management to offset risk.

Fasting Blood Sugar (Input: 87.0) - Impact: 0.32

No specific recommendation available.

Hba1C (Input: 5.0) - Impact: 0.31

No specific recommendation available.

Stress Level (Input: 8) - Impact: -0.29

High stress. Engage in mindfulness, therapy, or stress reduction programs.

Cholesterol Level (Input: 123.0) - Impact: 0.27

No specific recommendation available.

Screen Time (Input: 12) - Impact: -0.20

Excessive screen time. Limit to <4 hours/day and increase physical activity.

Bmi (Input: 26.2) - Impact: 0.16

Overweight. Begin a structured exercise and dietary program.

Fast Food Intake (Input: 3) - Impact: 0.13

No specific recommendation available.

Sleep Hours (Input: 6.0) - Impact: -0.08

No specific recommendation available.

Family Income (Input: 2480000) - Impact: 0.01

No specific recommendation available.

Age (Input: 19) - Impact: 0.01

No specific recommendation available.

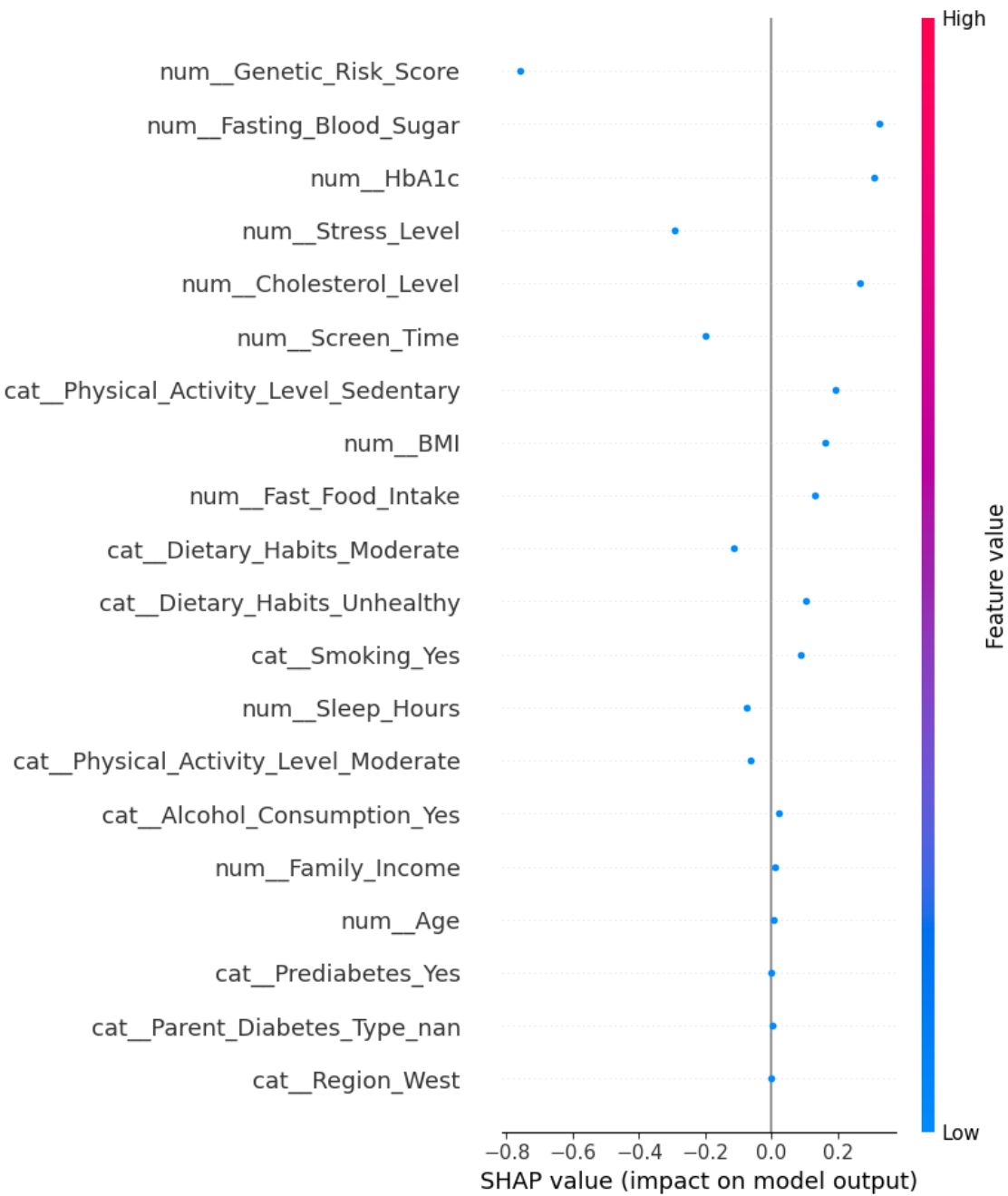
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SHAP Summary Plot



This plot shows the impact of each feature on the predicted diabetes risk. Each point represents a patient's input for a feature-colored by value: blue = low, red = high. Features pushing the prediction higher appear on the right, and those lowering it on the left.

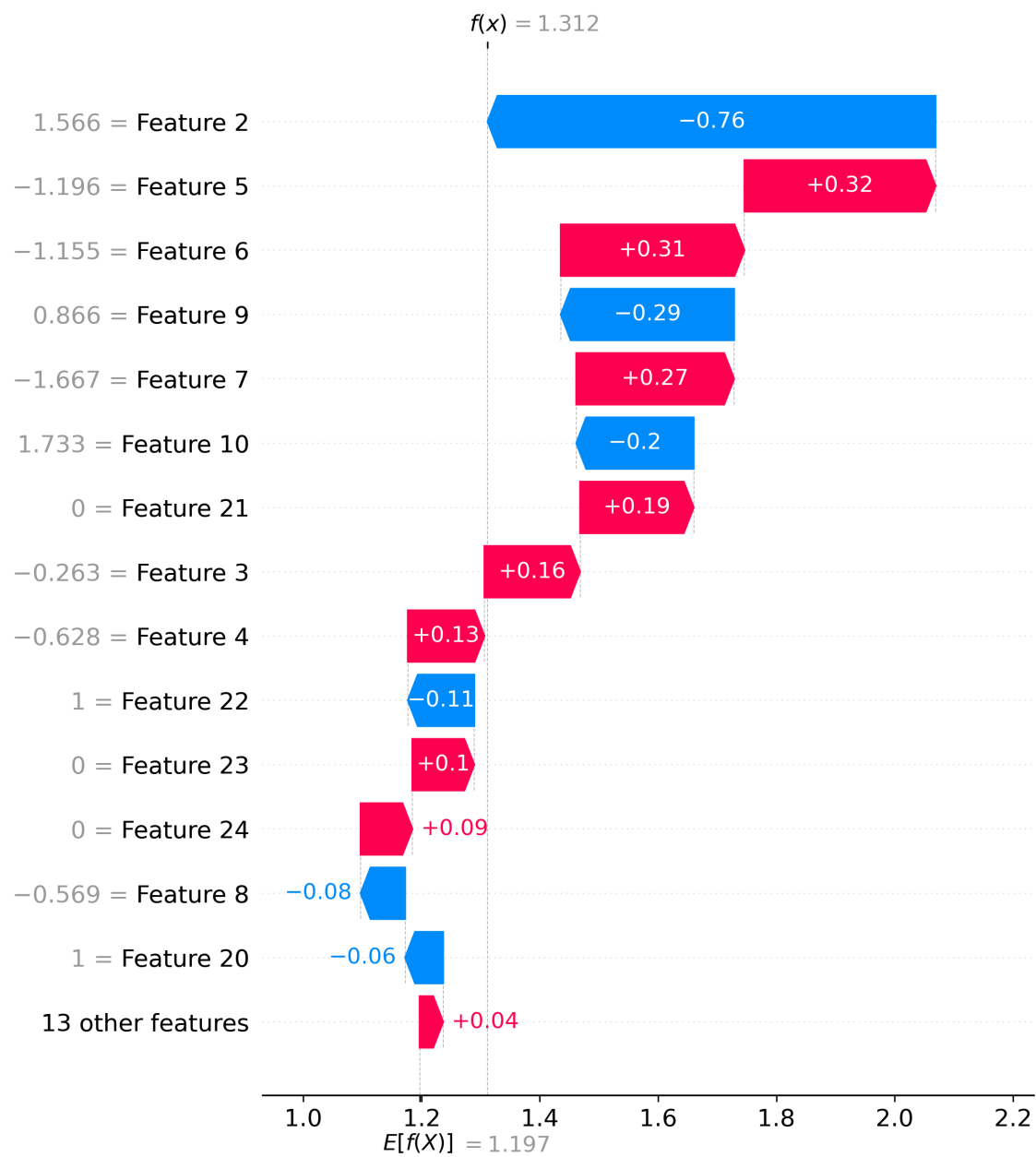
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SHAP Waterfall Plot



This chart explains how your individual features contributed to the final risk prediction. Red bars increase risk, blue bars reduce it. It starts at the model's baseline and ends at your final prediction. Each label shows a feature from your inputs.