Pregnancies

8

0 17

Glucose

12

0 200

Blood Pressure

99

0 122

Skin Thickness

41

0 100

Insulin

336

0 846

BMI

65

0 67

Diabetes Pedigree Function

0.78

0.00 2.40

Age

27

21 88

Select Model

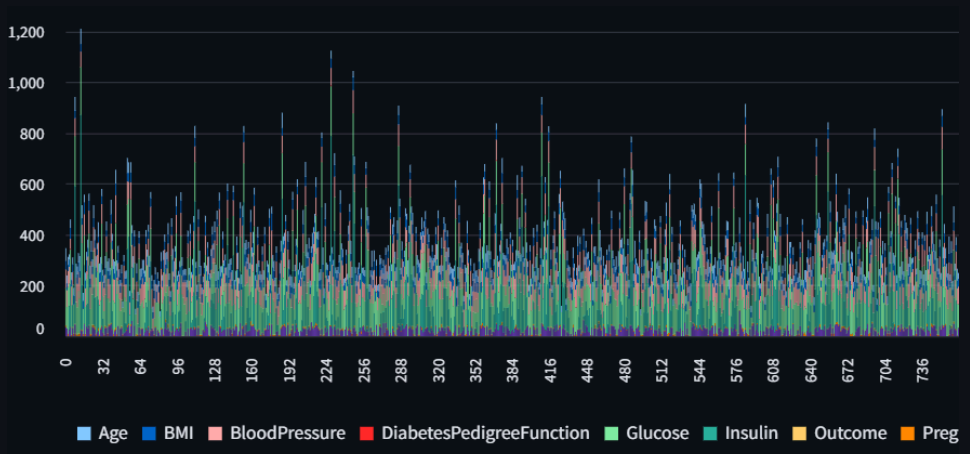
Random Forest

Diabetes Risk Assessment Tool

Training Data Overview

	Pregnancies	Glucose	BloodPressure	SkinThickness	Insulin	BMI	DiabetesPedigreeFunction
count	768	768	768	768	768	768	768
mean	3.8451	120.8945	69.1055	20.5365	79.7995	31.9926	0.4719
std	3.3696	31.9726	19.3558	15.9522	115.244	7.8842	0.3313
min	0	0	0	0	0	0	0.078
25%	1	99	62	0	0	27.3	0.2438
50%	3	117	72	23	30.5	32	0.3725
75%	6	140.25	80	32	127.25	36.6	0.6263
max	17	199	122	99	846	67.1	2.42

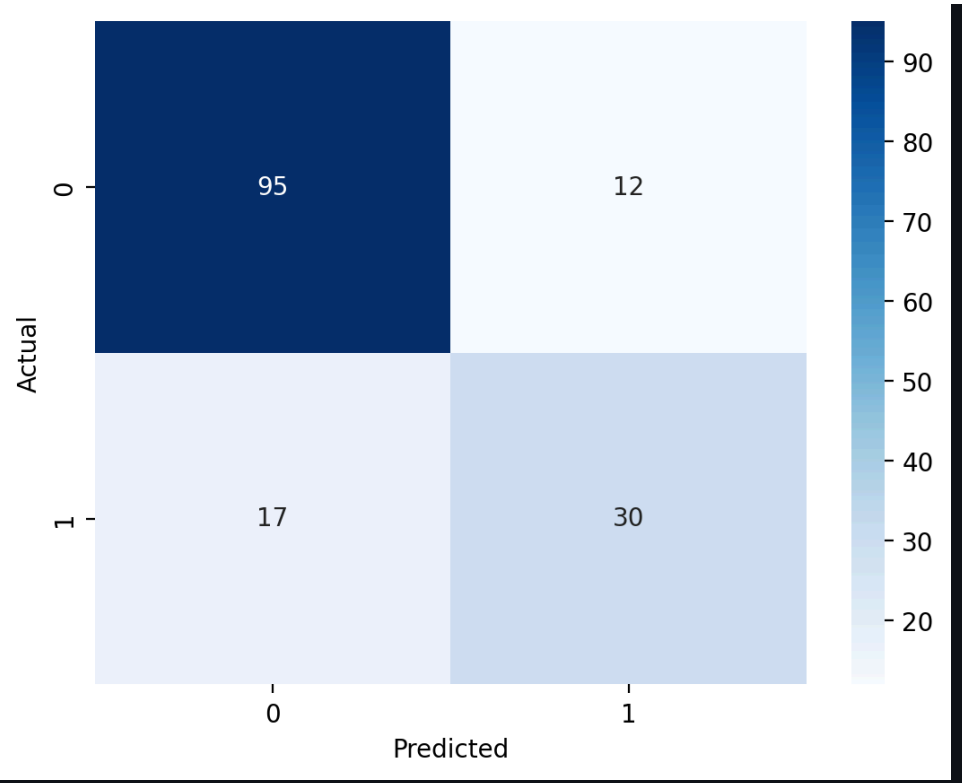
Data Visualization



Model Accuracy:

Accuracy: 81.17%

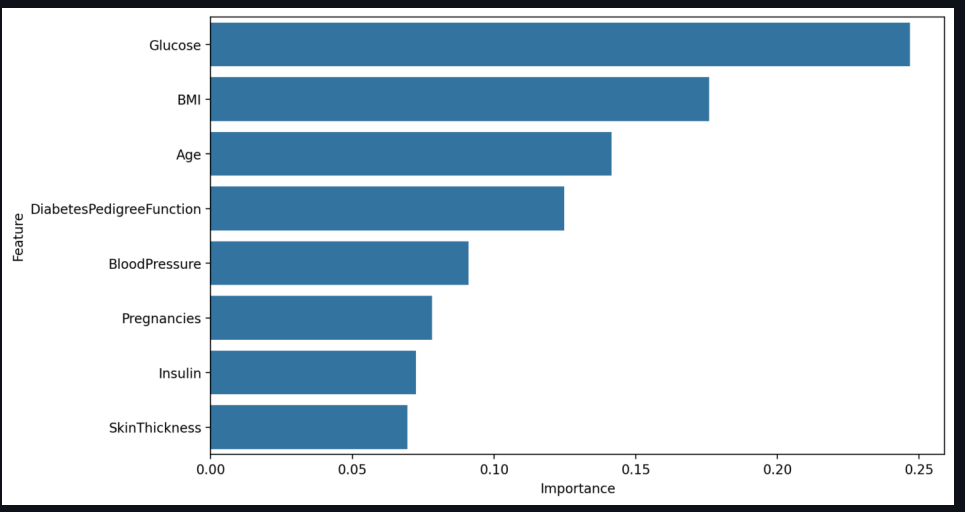
Confusion Matrix



Classification Report

	precision	recall	f1-score	support
0	0.8482	0.8879	0.8676	107
1	0.7143	0.6383	0.6742	47
accuracy	0.8117	0.8117	0.8117	0.8117
macro avg	0.7813	0.7631	0.7709	154
weighted avg	0.8073	0.8117	0.8085	154

Feature Importance



You are healthy

Keep up the good work!

Continue maintaining a healthy lifestyle.

Download Report