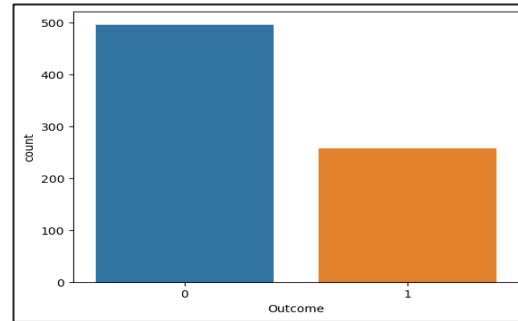
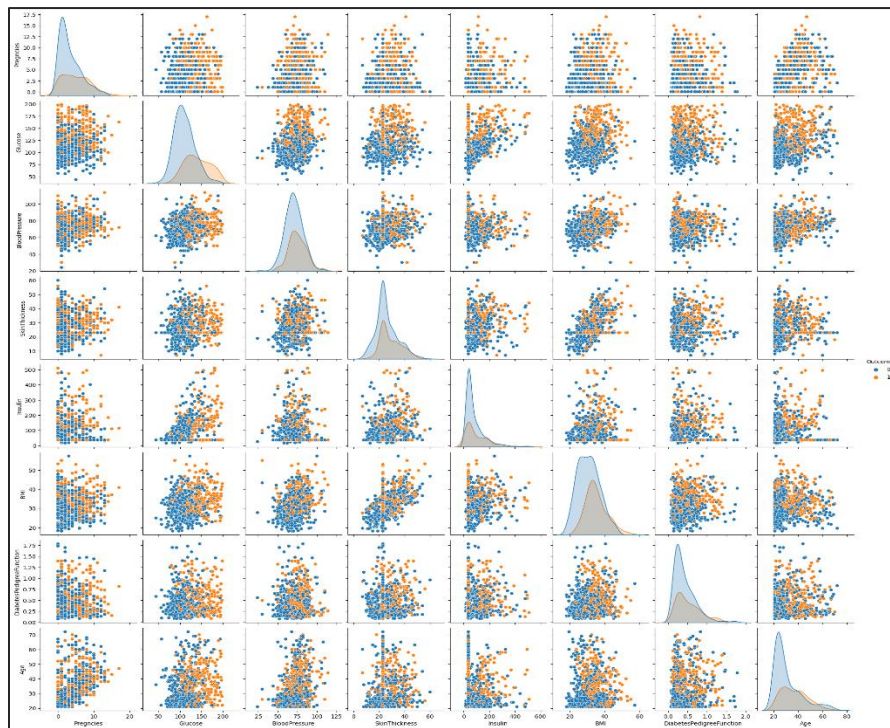


	Insulin	BMI	Age
Min	15.0	18.2	21
25%	36.0	27.5	24
50%	36.0	32.0	29
75%	124.25	36.375	40
max	510.0	57.3	68

Five number summaries



Bar chart for outcome variable



Pairwise relationship scatterplot for predictor variables (8x8 subplots) using Seaborn.

Covariance between predictor variable and the target variable

<i>Pregnancies</i>	<i>Glucose</i>	<i>BloodPressure</i>	<i>SkinThickness</i>	<i>Insulin</i>	<i>BMI</i>	<i>DiabetesPedigreeFunction</i>	<i>Age</i>
0.34	6.87	0.98	0.68	4.39	0.91	0.03	1.33

Most influential factors (variables) that increase the risk of diabetics.

Correlation values between predictor variable and the target variable

Pregnancies	Glucose	BloodPressure	SkinThickness	Insulin	BMI	DiabetesPedigreeFunction	Age
0.22	0.5	0.16	0.19	0.16	0.30	0.18	0.25

Correlation between Glucose and Outcome: 0.5

Correlation between BMI and Outcome: 0.3

Glucose and BMI are the variables which have a high correlation with the Outcome. Therefore, Glucose and BMI are the two most influential factors that increase the risk of diabetes.