PIMA INDIAN DIABETES REPORT

GENERAL INFROMATION

Names of columns

['Pregnancies', 'Glucose', 'BloodPressure', 'SkinThickness', 'Insulin', 'BMI', 'DiabetesPedigreeFunction', 'Age', 'Outcome']

Shape of dataset

(768, 9)

DESCRIPTIVE STATISTICS

Mean

('Pregnancies', 3.84505208333333335) ('Glucose', 120.89453125) ('BloodPressure', 69.10546875) ('SkinThickness', 20.5364583333333332) ('Insulin', 79.79947916666667) ('BMI', 31.992578124999998) ('DiabetesPedigreeFunction', 0.47187630208333325) ('Age', 33.240885416666664) ('Outcome', 0.3489583333333333)

Mode

Pregnancies Glucose BloodPressure ... DiabetesPedigreeFunction Age Outcome 0 1.0 99 70.0 ... 0.254 22.0 0.0 1 NaN 100 NaN ... 0.258 NaN NaN [2 rows x 9 columns]

Median

('Pregnancies', 3.0)
('Glucose', 117.0)
('BloodPressure', 72.0)
('SkinThickness', 23.0)
('Insulin', 30.5)
('BMI', 32.0)
('DiabetesPedigreeFunction', 0.3725)
('Age', 29.0)
('Outcome', 0.0)

Variance

('Pregnancies', 11.354056320621465) ('Glucose', 1022.2483142519557) ('BloodPressure', 374.6472712271838) ('SkinThickness', 254.47324532811822) ('Insulin', 13281.180077955238) ('BMI', 62.15998395738266) ('DiabetesPedigreeFunction', 0.1097786378731394) ('Age', 138.30304589037377)

Standard Deviation

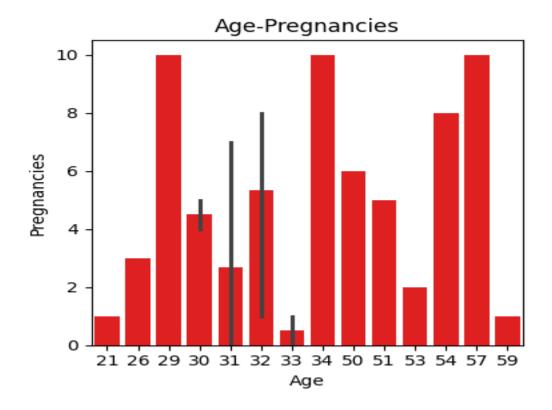
('Pregnancies', 3.3695780626988694) ('Glucose', 31.97261819513622) ('BloodPressure', 19.355807170644777) ('SkinThickness', 15.952217567727637) ('Insulin', 115.24400235133817) ('BMI', 7.884160320375446) ('DiabetesPedigreeFunction', 0.3313285950127749) ('Age', 11.760231540678685) ('Outcome', 0.47695137724279896)

Univariate Analysis

---Skewness---('Pregnancies', 0.9016739791518588) ('Glucose', 0.17375350179188992) ('BloodPressure', -1.8436079833551302) ('SkinThickness', 0.10937249648187608) ('Insulin', 2.272250858431574) ('BMI', -0.42898158845356543) ('DiabetesPedigreeFunction', 1.919911066307204) ('Age', 1.1295967011444805) ('Outcome', 0.635016643444986) ---Kurtosis---('Pregnancies', 0.15921977754746486) ('Glucose', 0.6407798203735053) ('BloodPressure', 5.180156560082496) ('SkinThickness', -0.520071866153013) ('Insulin', 7.2142595543487715) ('BMI', 3.290442900816981) ('DiabetesPedigreeFunction', 5.5949535279830584) ('Age', 0.6431588885398942) ('Outcome', -1.600929755156027)

Bivariate Analysis

Age-Pregnancies Chart:



Glucose-Insulin Chart:

