**Diabetes Prediction Using Machine Learning Algorithms.**

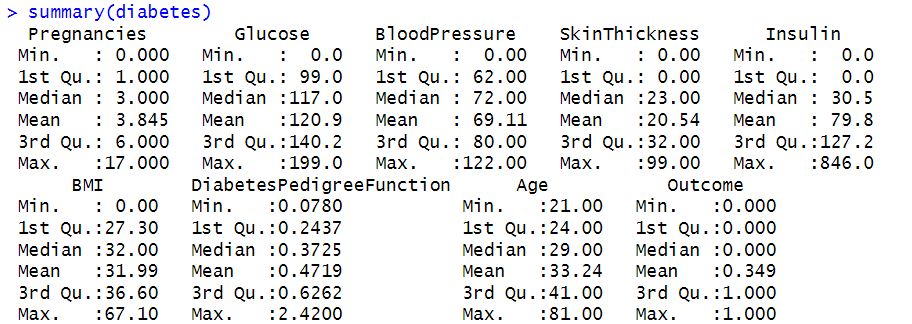
*#Load the dataset*

diabetes <- read.csv ("C:\\Users\\Christianah.O\_BROOKS\\Downloads\\diabetes.csv", header=T, stringsAsFactors = F)

head(diabetes) A close-up of a number

AI-generated content may be incorrect.

summary(diabetes)



*#Basic Visualizations*

par(mfrow =c(2,2)) *# divide plotting area into 2x2 grid*

hist(diabetes$Pregnancies)

hist(diabetes$Age)

hist(diabetes$Glucose)

hist(diabetes$BMI)

A graph of diabetes

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par(mfrow =c(1,1)) *# reset layout*

boxplot(diabetes$BloodPressure, ylab = "BloodPressure")

A black and white diagram

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install.packages("ggplot2")

library(ggplot2)

ggplot(diabetes,aes(x=Glucose))+geom\_histogram(fill="skyblue",colour="black")+facet\_grid(Outcome~.)

A graph of a graph

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ggplot(diabetes,aes(x=Glucose))+geom\_histogram(fill="skyblue",colour="black")+facet\_grid(.~Outcome)

A graph of a graph

AI-generated content may be incorrect.