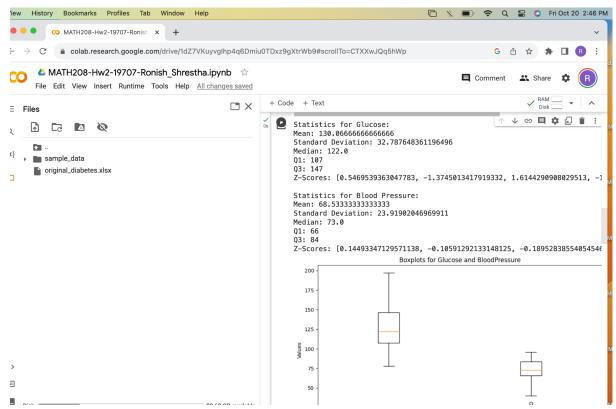
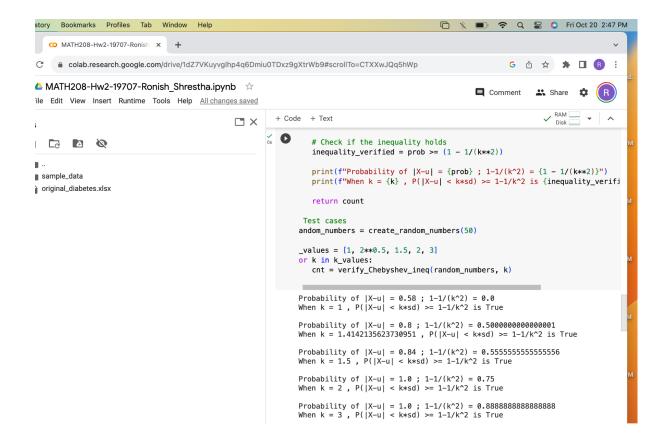
## Ronish Shrestha(19707) MATH208- Hw2

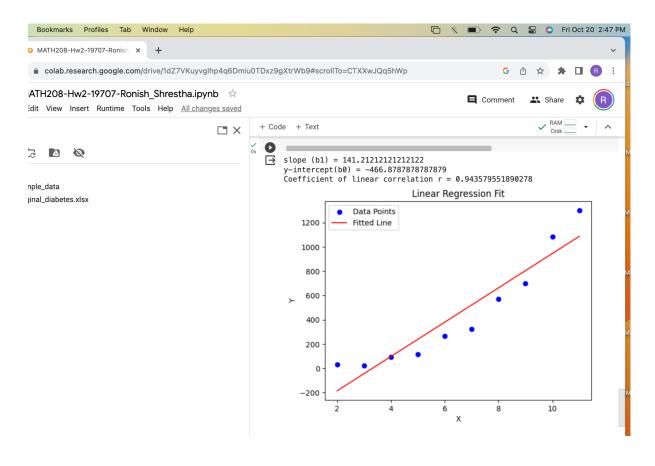
1.



2.



3.



Yes, when the coefficient of linear correlation (r) is very close to +1, it indicates a strong positive linear relationship between the variables. In such cases, a linear model is a good fit for the dataset, and it suggests that there is a strong linear association between the predictor variable (X) and the response variable (Y).