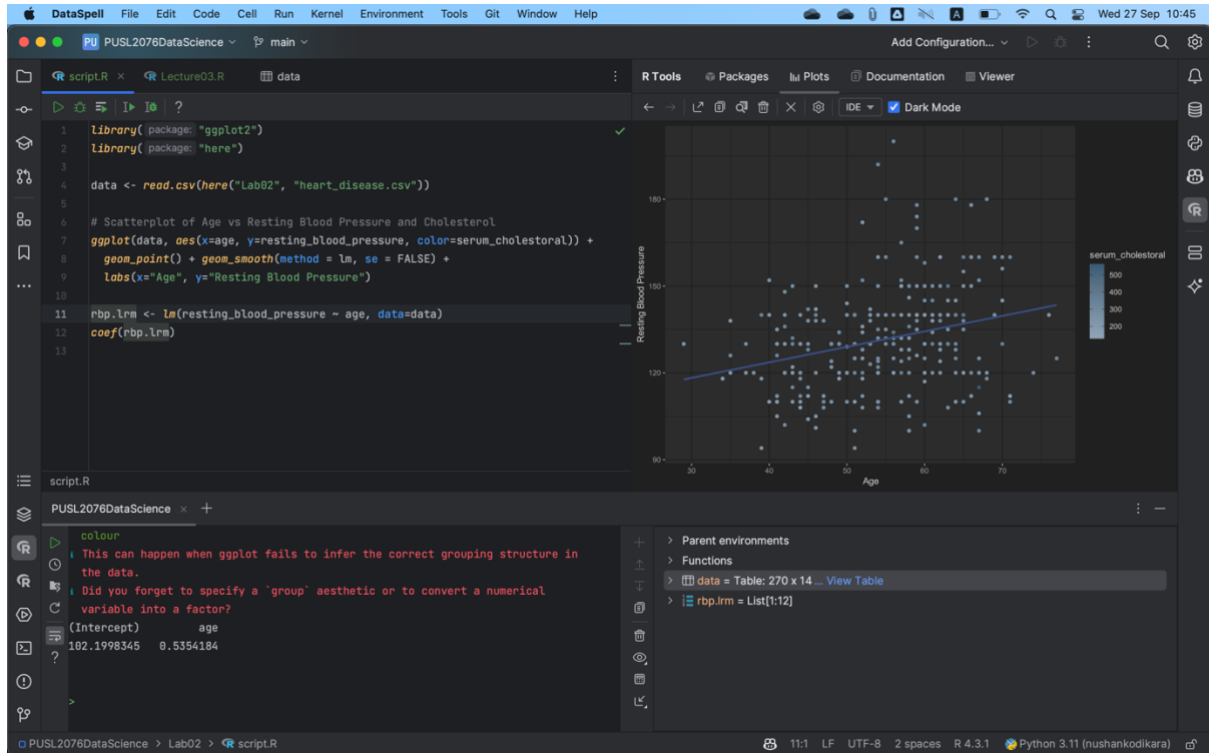


Lab Report



Method of Extracting data

Here I have drew a scatter plot of resting blood pressure vs age and colored the plotted data according to each record's serum cholesterol levels.

Patterns and Data we can Identify.

Looking at the plotted chart directly we cannot say much about blood pressure co-relating with the age, but we can see a larger variation of values, which means as the subjects getting older the blood pressure can go up or down in a significant value.

Also Considering the Serum Cholesterol levels, We can see majority of the people who deviates from the average blood pressure level can also have a higher serum cholesterol level.

We can develop the formula.

$$\text{Resting Blood Pressure} = 0.535 \cdot \text{age} + 102.1998345$$

Here the conclusion we can make is as a subject getting older their blood pressure can go up by 0.53 and the resting blood pressure of a regular person is 102.19.