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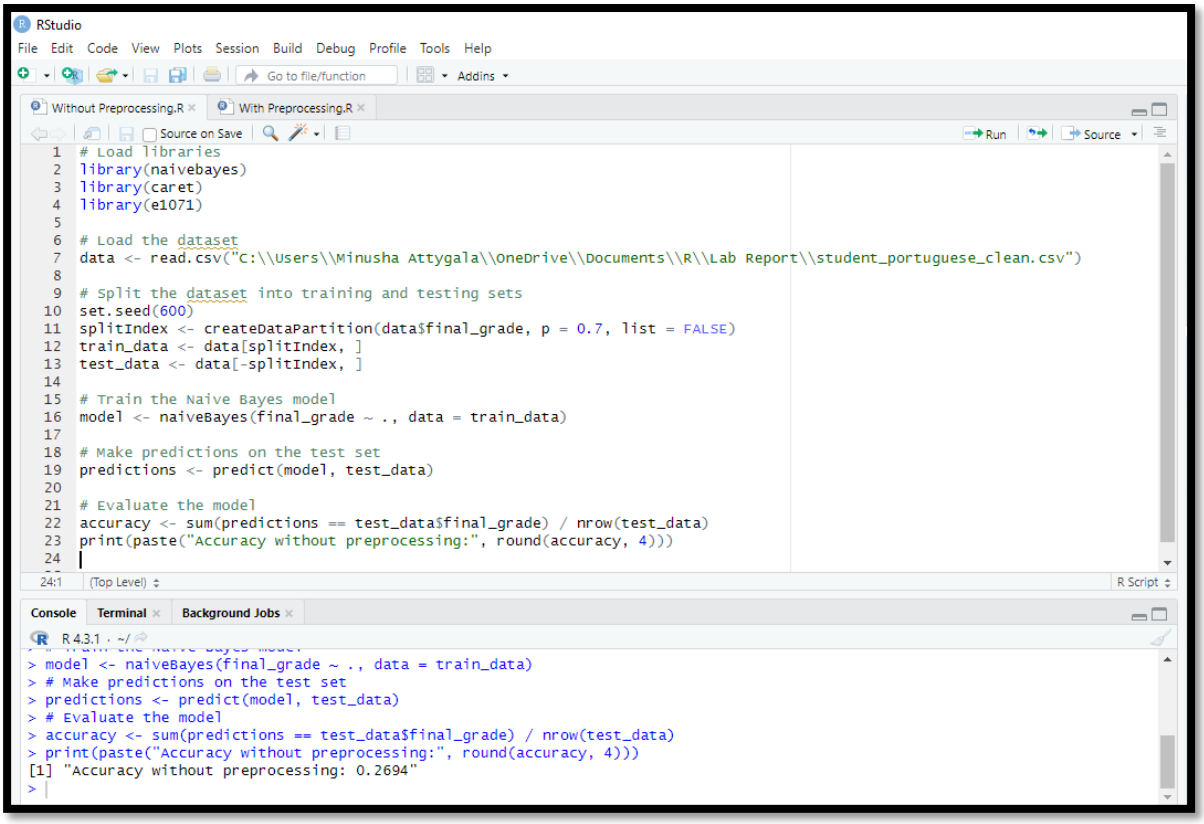
27305

Programming in R – Lab Report

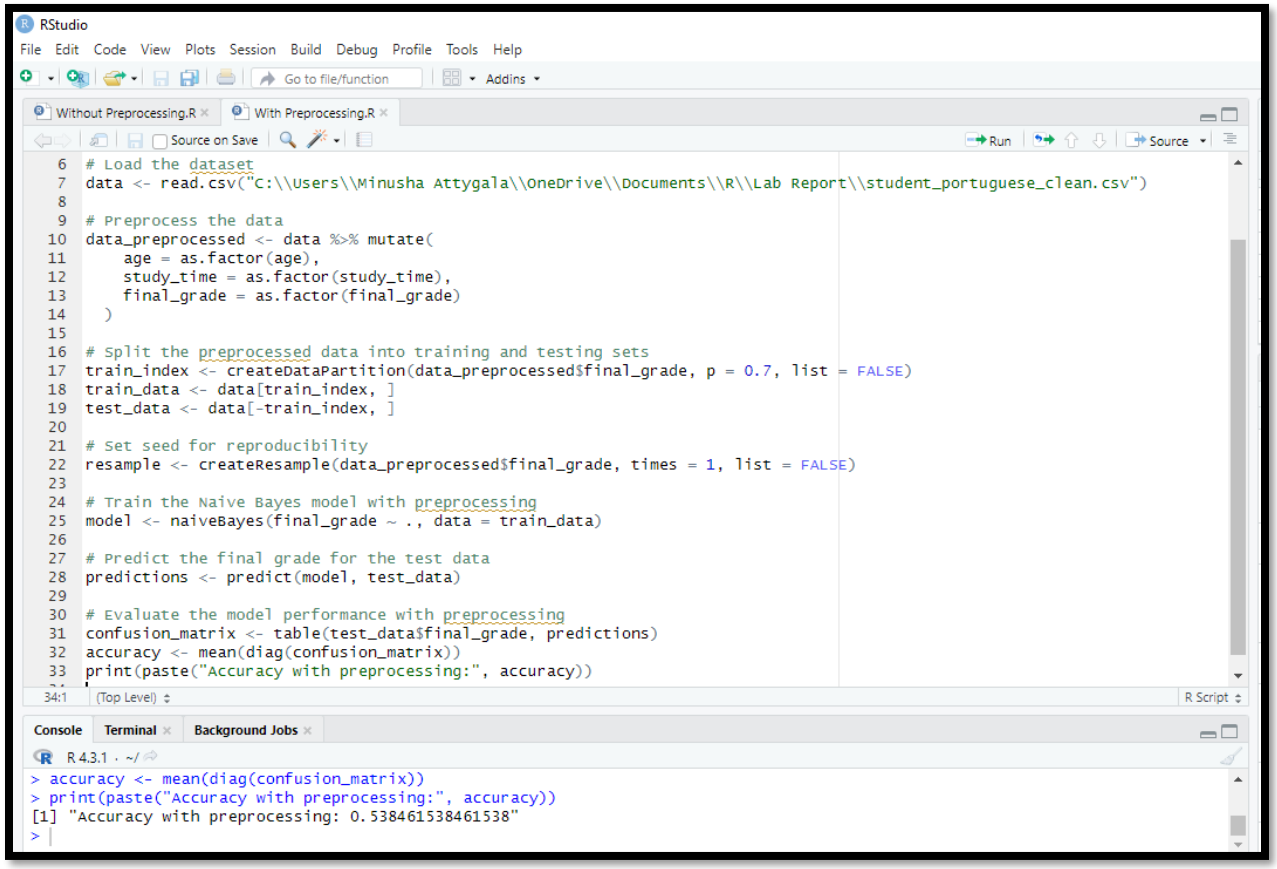
- Without Preprocessing



Accuracy without preprocessing: 0.2694

This accuracy value represents the proportion of correctly classified instances by the Naive Bayes model when no preprocessing is applied to the data. Here, approximately 26.94% of the instances are correctly classified.

- With Preprocessing



Accuracy with preprocessing: 0.538461538461538

This accuracy value, ranging between 0 and 1, indicates the proportion of correctly classified instances by the Naive Bayes model when preprocessing is applied to the data. In this case, about 53.85% of the instances are correctly classified.

Comparing the two accuracies:

The accuracy with preprocessing is higher than the accuracy without preprocessing. This suggests that the preprocessing steps applied to the data have a positive impact on the model's performance, as it leads to a higher proportion of correct predictions.