

[illegible]



- <https://www.kaggle.com/kwadwoofosu/predict-test-scores-of-students>
- [kaggle.com](https://www.kaggle.com)
- Has a total of 23463 rows and 11 columns

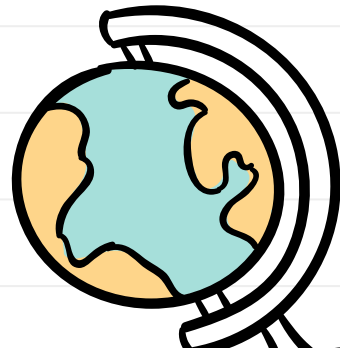


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EDA

02

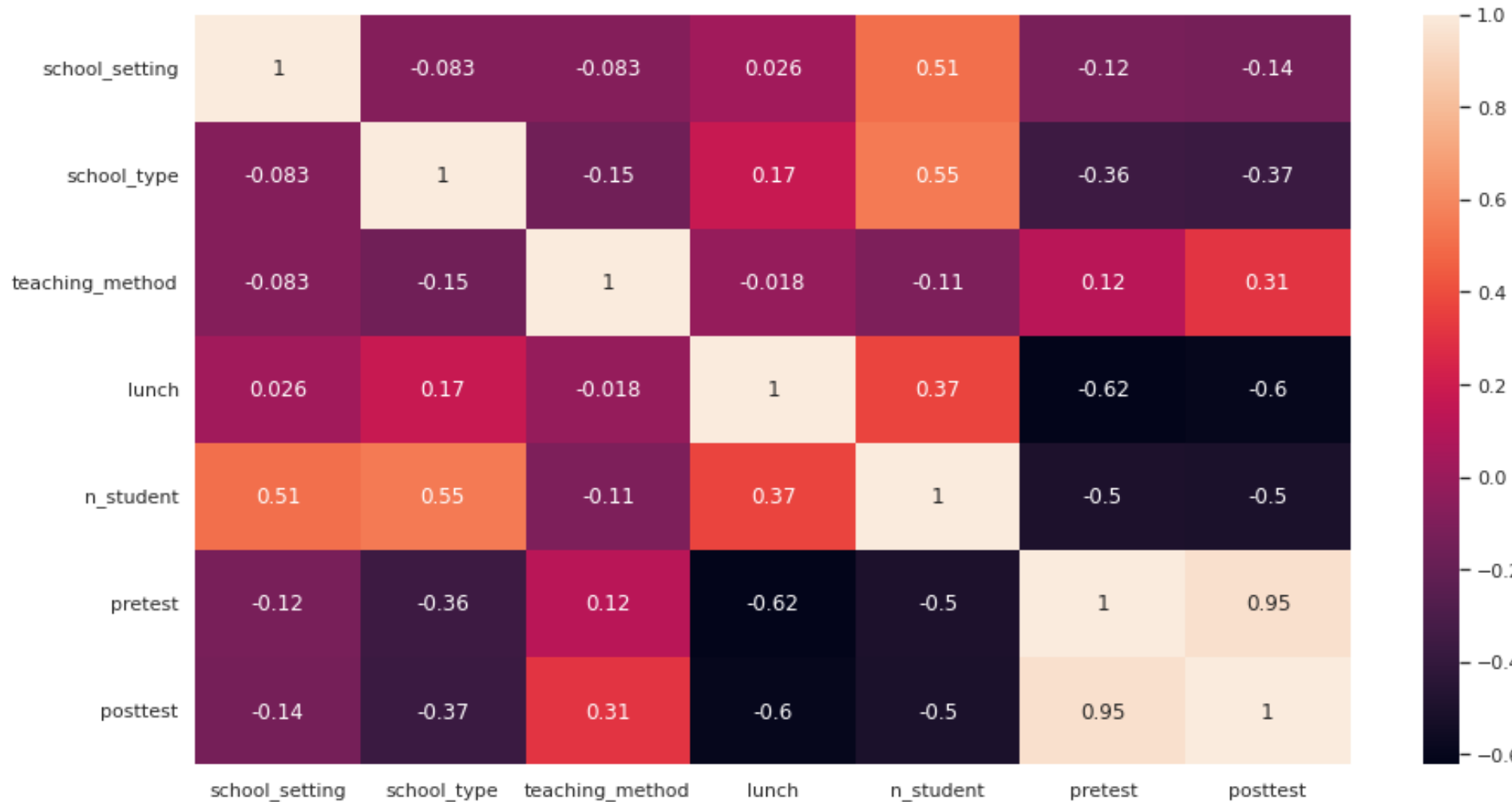


Feature Engineering

03



Regression Algorithms



Linear Regression model

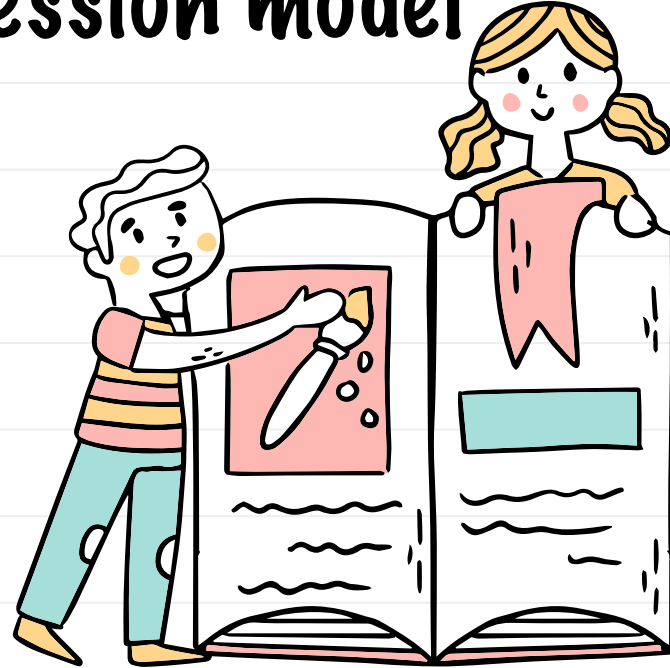
Model using the two quantitative variables pre test and number of students in class to predict post tests.

Results:

Mean absolute error = 3.389

Mean squared error = 17.995

$R^2 = 0.909$



Linear Regression model

Model using the **following variables**:

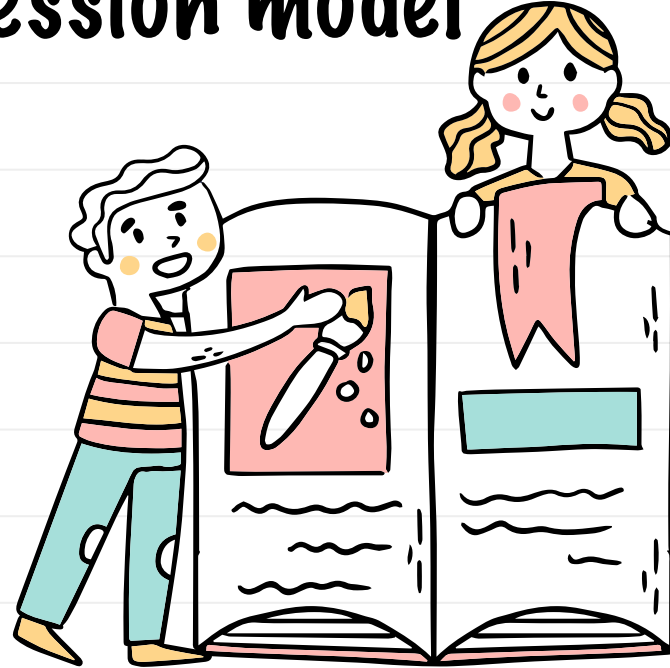
- 1.Pre test
- 2.number of students in classroom
- 3.School Setting
- 4.School Type
- 5.Teaching Method
- 6.Lunch

Results:

Mean absolute error = 2.662

Mean squared error = 11.123

$R^2 = 0.944$



Thank you!

