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Final Project Proposal

Problem Statement:

- Predict a student's final grade in secondary school given the students' information from the two Portuguese secondary schools.

Data Science solution:

- Using a linear regression model, we can predict the final grade that a student gets based on various attributes. We will use attributes like the student's family size, their age, their romantic relationships, their parent's education and more to predict how these effects the final grade of that student. There are 33 different attributes that we can work with in order to find the more precise regression model. We will determine the coefficient of determination for each model to check the performance of these models.
- We can use this dataset to predict the school for each student on the basis of the collected information. This would, in turn, help us to figure out the performance of the schools with respect to the students that are enrolled in it.

Description of the dataset:

- We are using a student-por.csv file dataset for this project. The dataset has 649 instances, 33 attributes. This is a multivariate dataset and has no null values. The associated tasks we can use are the classification and regression techniques.

