

InspiHer Tech v2 – Final Task

Grade Determination due to Socio-Demographic information of Students

The data was obtained in a survey of students math courses in secondary school. It contains a lot of interesting social, gender and study information about students.

The goal of this analysis and model building analysis is to identify which socio-demographic properties of students influence the grades of the students and if we can do something about it to influence the grades of the students.

You must start with the data loading and start exploring the dataset and observe what is the type of the data and which model may suit the analysis and explore its performance along with the multiple models and compare its performance along with the naive model or mean models.

Identify which model works best and do an analysis of your results showing the performance of different machine learning models (algorithms). Finally identify which factors are most effective for grade determination of a student.

