

Week 1: Group Formation and Topic Finalization

Our team came together in the project's first week to examine real data using statistical and predictive models. From our first conversation, we set our main topic as "Analysing Student Academic Performance through the Use of Statistical and Predictive Modeling." It was chosen because it relates to education and could show helpful results regarding how students perform.

The main problem is:

"To study what affects student academic success and to predict the outcomes by applying ANOVA, linear regression, and logistic regression."

It seeks to study the connections between study hours, joining extracurricular activities, having parents involved, and working part-time, and their effect on students' grades. We try to get useful insights by preprocessing data, scrutinizing it, and using statistical models to help with education.