

CASE STUDY 005

[Python]

Students' Academic Performance

Difficulty Level: 1 of 3

Disclaimer: SuperDataScience has no affiliation with the University of Jordan. While the dataset is real, the scenario is made up for educational purposes.

You are a Data Scientist doing research for University of Jordan. The university is trying to find interesting patterns in given data.

You have been supplied a dataset with an educational data set which was collected from learning management system. Data contains few mistakes which must be fixed before analysis.

The university wants to know and see visualizations for the following:

1. Students allocation by class.
2. Students allocation by country.
3. Students performance (visual compare Classes?)
4. Who better performing, boys or girls?
5. Dependence in students performance and attendance.
6. Dependence in attendance and parent's satisfaction.
7. How students activity influences performance.
8. Come up with 3 more revealed dependences.

Good luck!

Difficulty note: this is a difficult assignment. Do not be surprised that there will be lots of nuances we have not covered off in the courses. But just like in the Real Life – there will be things training has not prepared you for and you will need to do research to find how to solve the problems at hand. If you get stuck, check the clues file.