

DATA 151 Project

Ashley Darnell, Ethan Hawk, Josh Nibbe

Valparaiso University

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Overview

- ▶ We are going to be using a dataset from Portuguese high schools to help us determine what impacts a student's final grade most.

Details

Our research question is as follows:

What factors are most important in determining a students final grade?

These details of which are going to be covered in the following slides.

Plan

- ▶ Our current plan of attack is to first explore our data, since our dataset has many categorical and quantitative variables.
- ▶ After investigating our dataset, we then are going to run the appropriate validation tests to ensure that our data can be used by the appropriate statistical tests.

Schedule

Layer 2

Sept 28 - Oct 8

- ▶ Josh - Exploratory Analysis
- ▶ Ashley - Fit/Refine best Models
- ▶ Ethan - Create models in Python
- ▶ All - Clean data

Oct 8 - Oct 21

- ▶ All - Create presentation and report results of exploratory analysis

Schedule

Layer 3

Oct 22 - Oct 25

- ▶ All - Research related papers

Oct 25 - Nov 8

- ▶ Ethan - Intro
- ▶ Ashley - Body
- ▶ Ethan - Conclusion

Nov 8 - Nov 16

- ▶ All - Finalize paper and prepare for demo

Schedule

Layer 4

Nov 17 - Nov 30

- ▶ All - Evaluate feedback and revise

Nov 30 - Dec 16

- ▶ All - Work on final Model