



Student Performance

Data Analytics with Python

The Eliminators



Hemil Desai



Rounak Ghosh



Hardik Khimani



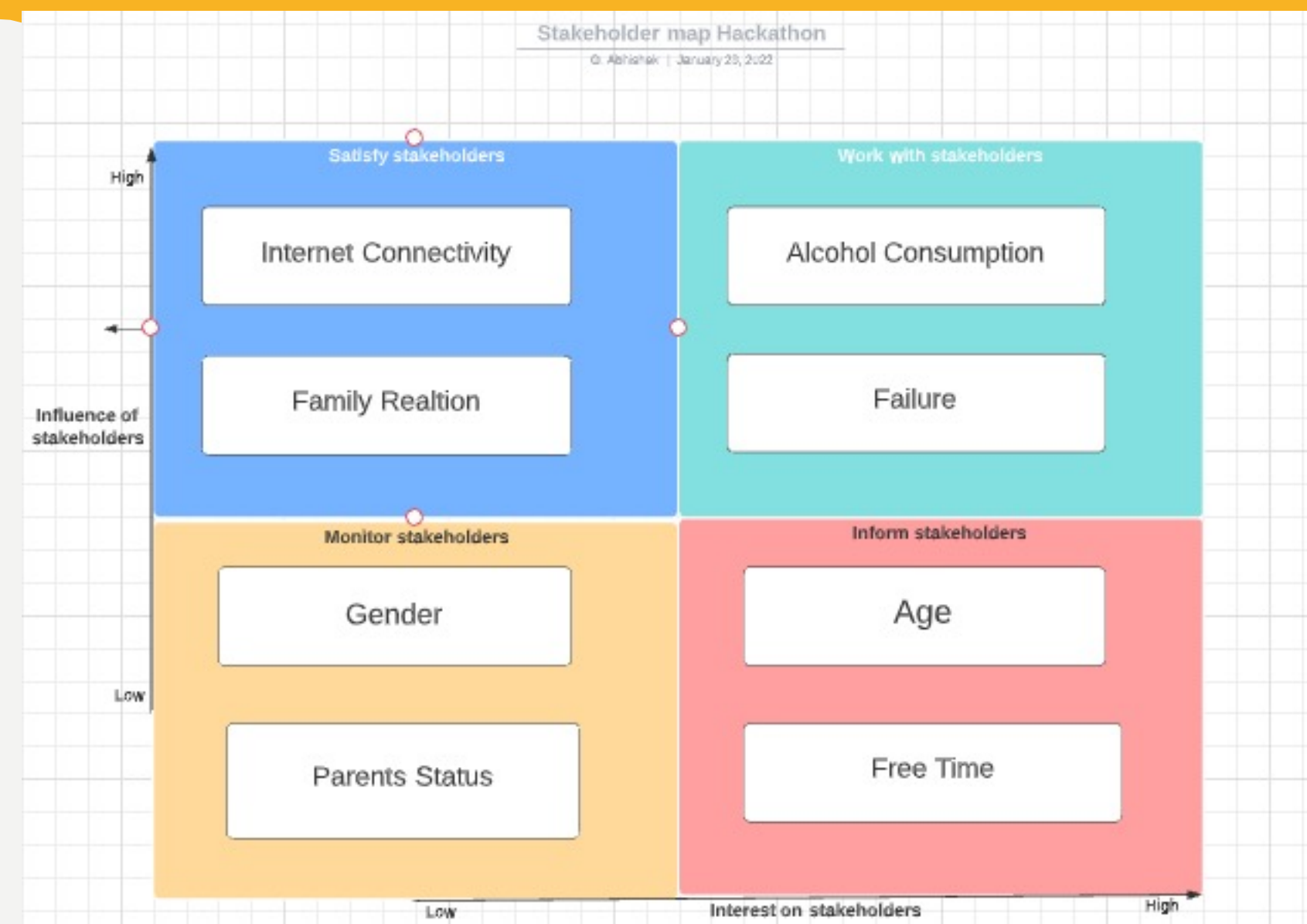
G Abhishek



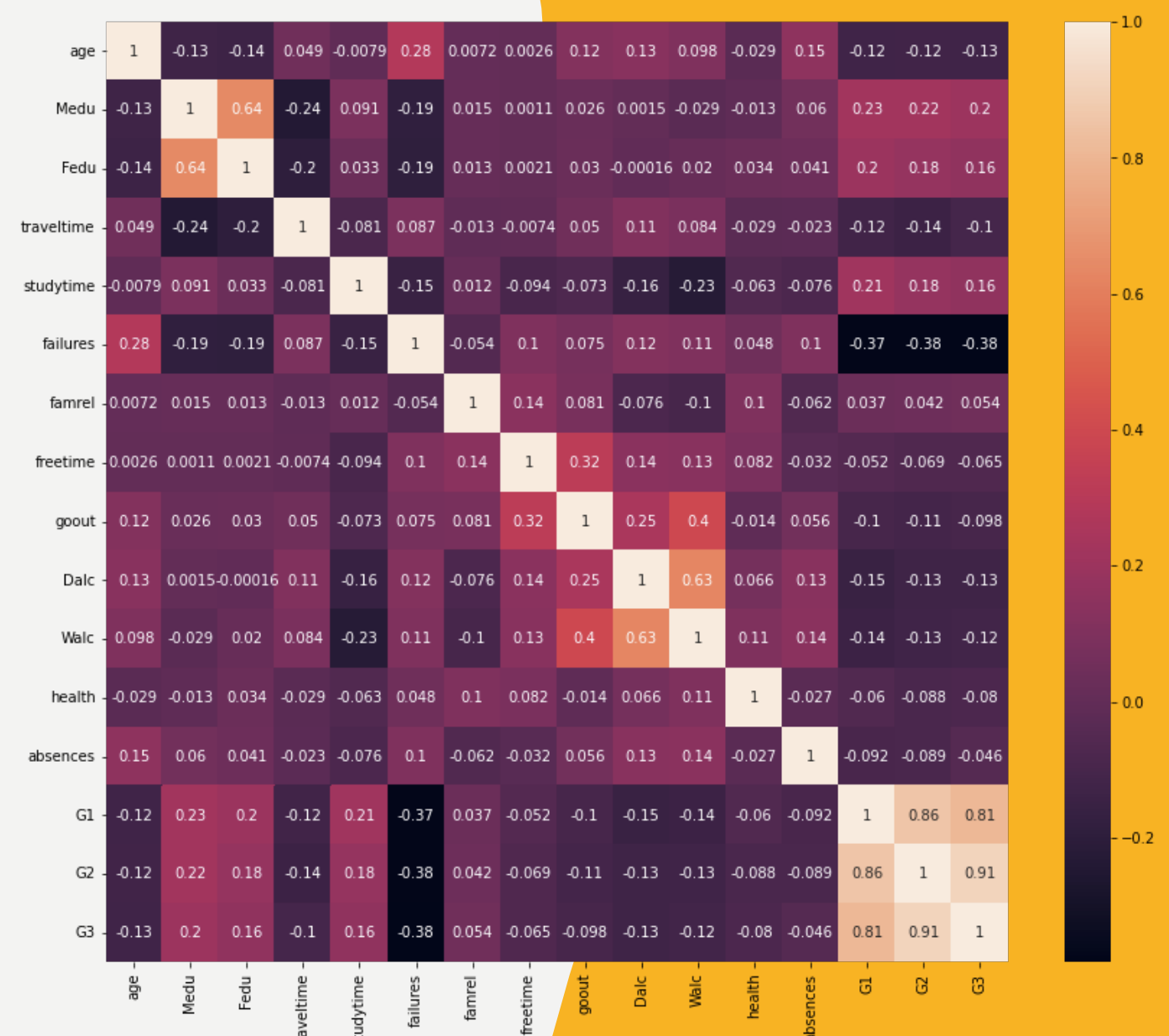
Dipanwita Bishnu

To study the performance of students pursuing mathematics and Portuguese language course on various socio-economic factors such as gender, age, location or address, alcohol consumption, failures, study time hours, internet connectivity, etc.

Stakeholder's map



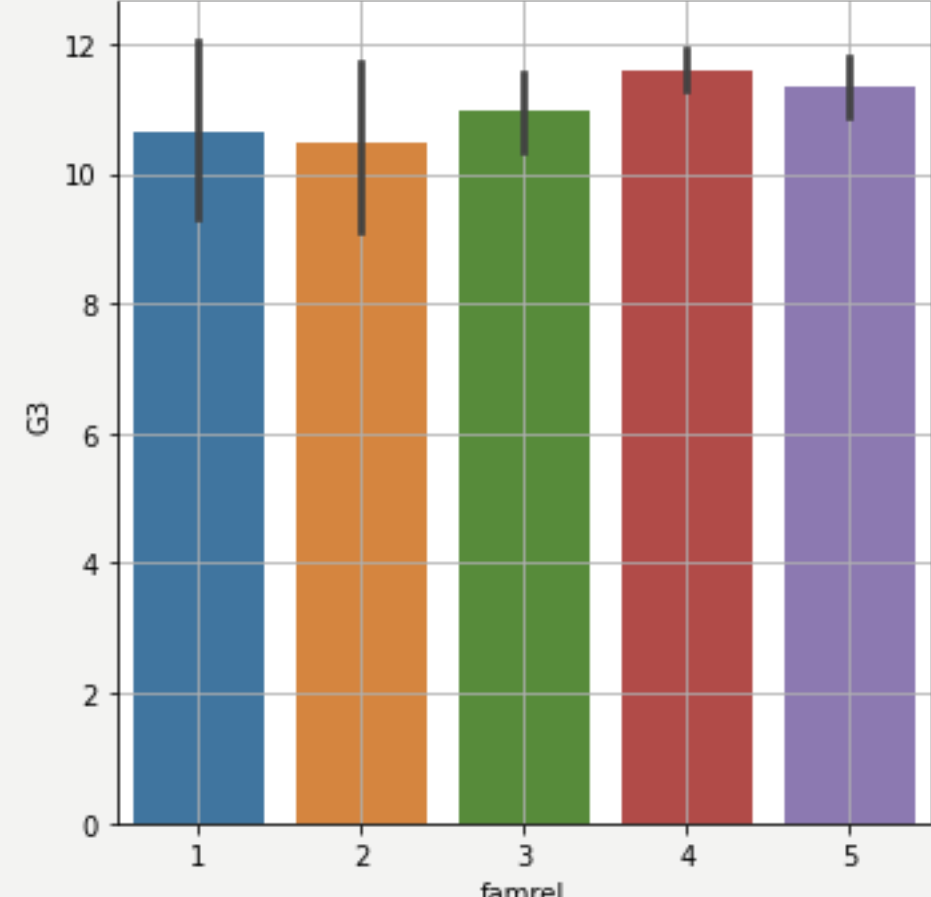
Correlation Matrix



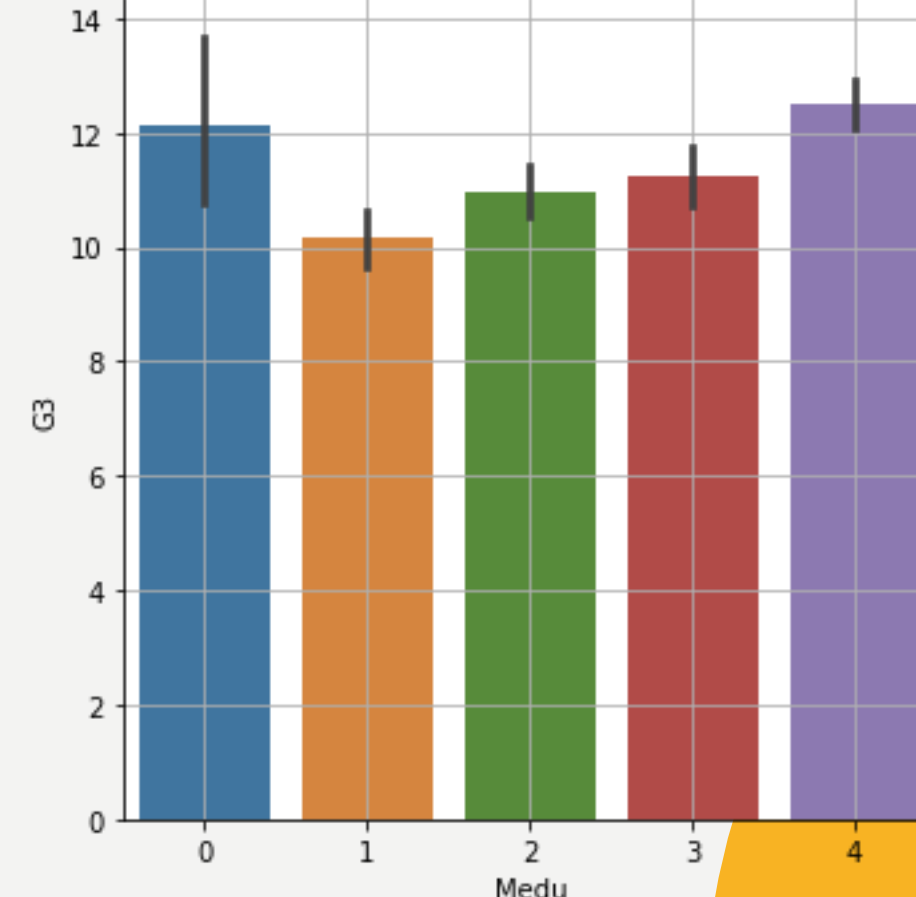
Research

kaggle

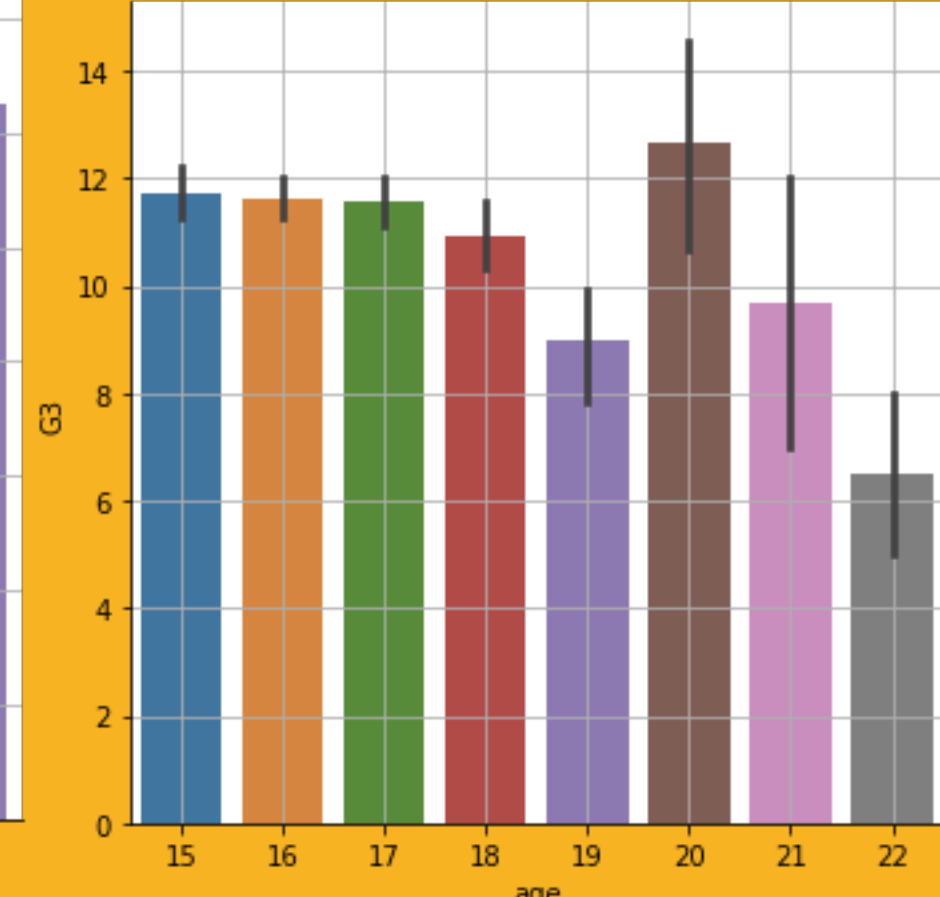
Final Grade vs Family Relationship



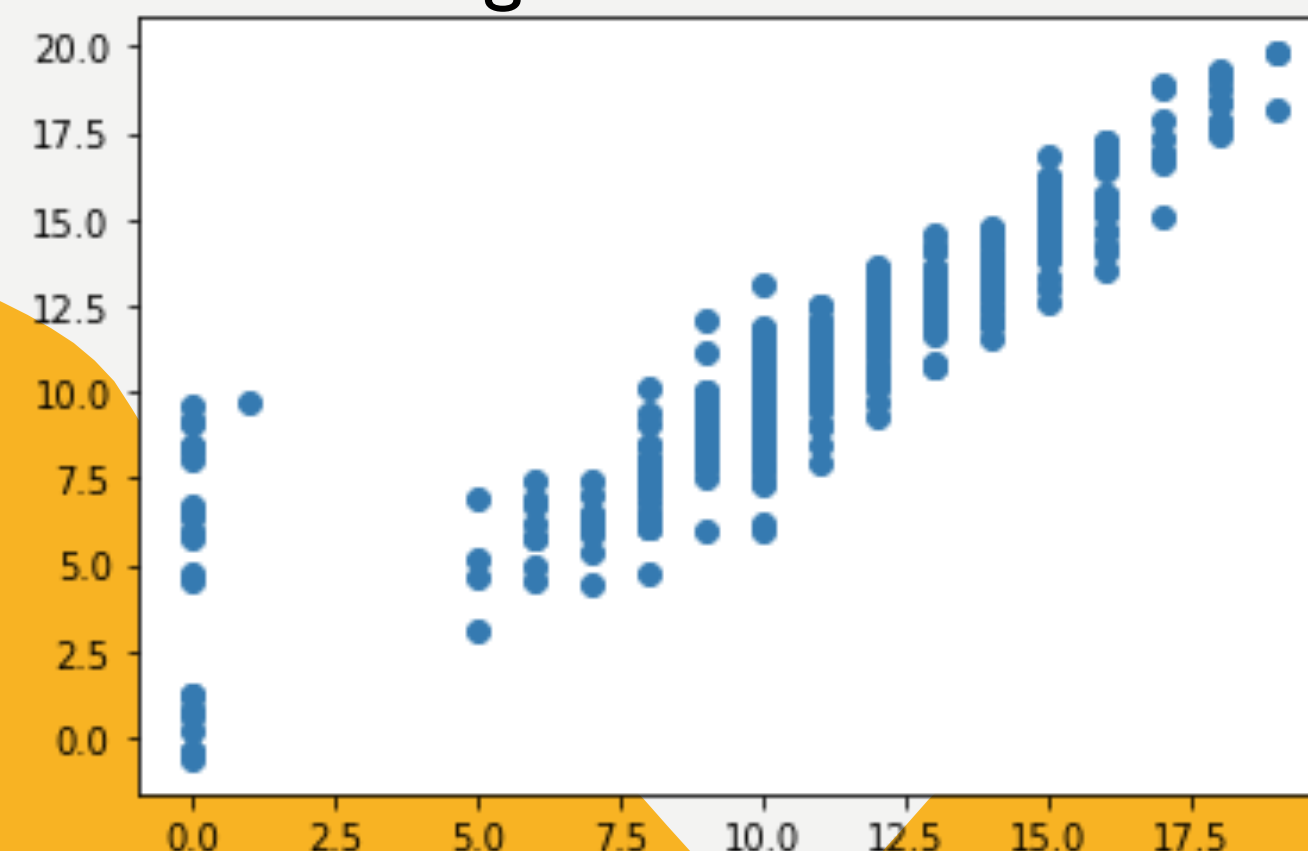
Final Grade vs Mother's Education



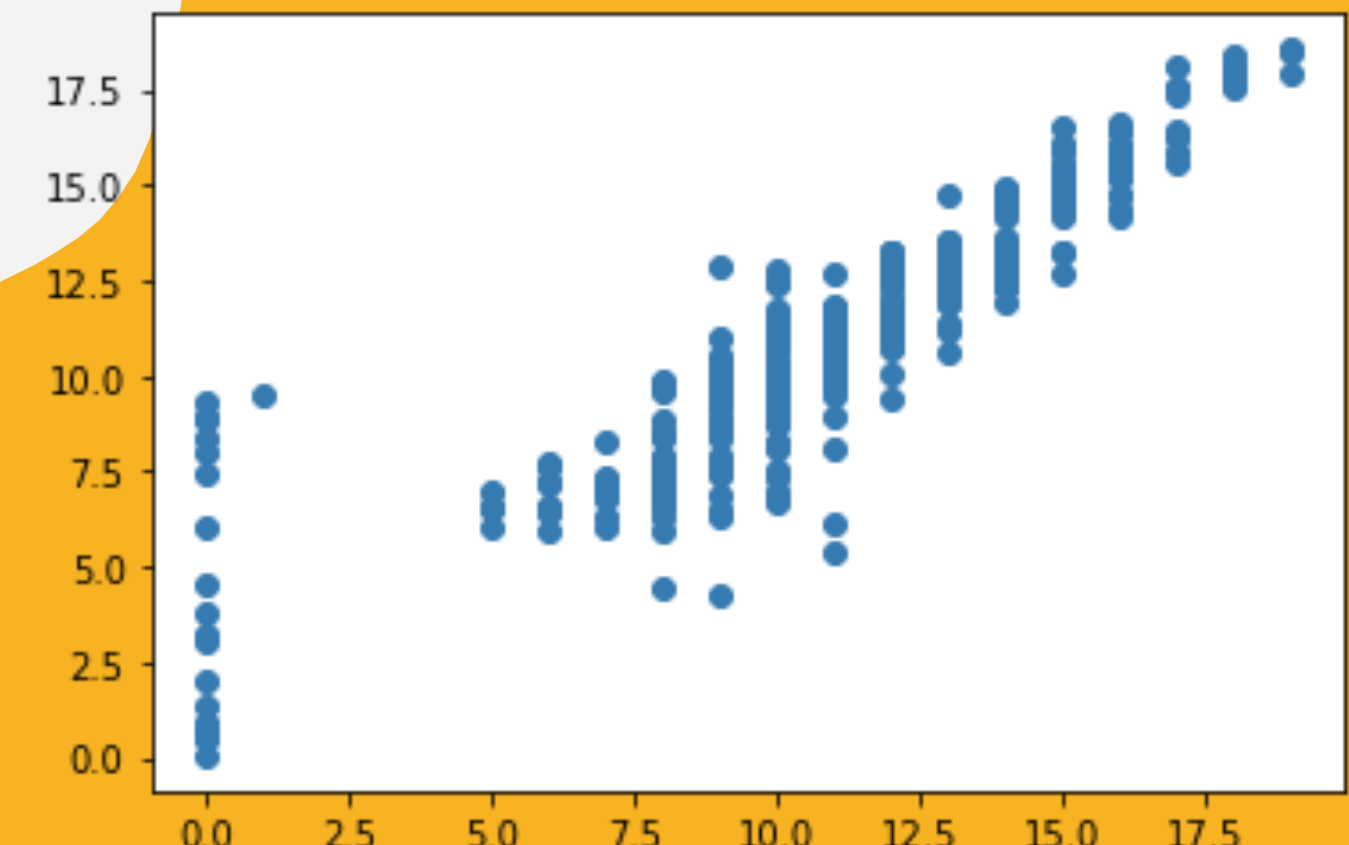
Final Grade vs Age



Linear Regression



Random Forest



Insights:

1. Usually, increase in age is impacting the grade of the student maybe because of increasing responsibilities, etc.
2. Increase in number of failures is impacting the grades of the students.
3. There is hardly any significant impact of free time on the grades of students.
4. Increase in alcohol consumption is impacting the grades of the students.
5. Healthy relationship leads to improve the grades of the students.
6. Internet connectivity tends to improve the grades of the student.
7. Parent's cohabitation status has little impact on the grades of the students.