

## ANALYZING GRADES OF STUDENTS FROM VARIOUS SOCIO-ECONOMIC BACKGROUND

Track Name:  
Track B: Analytics using Python

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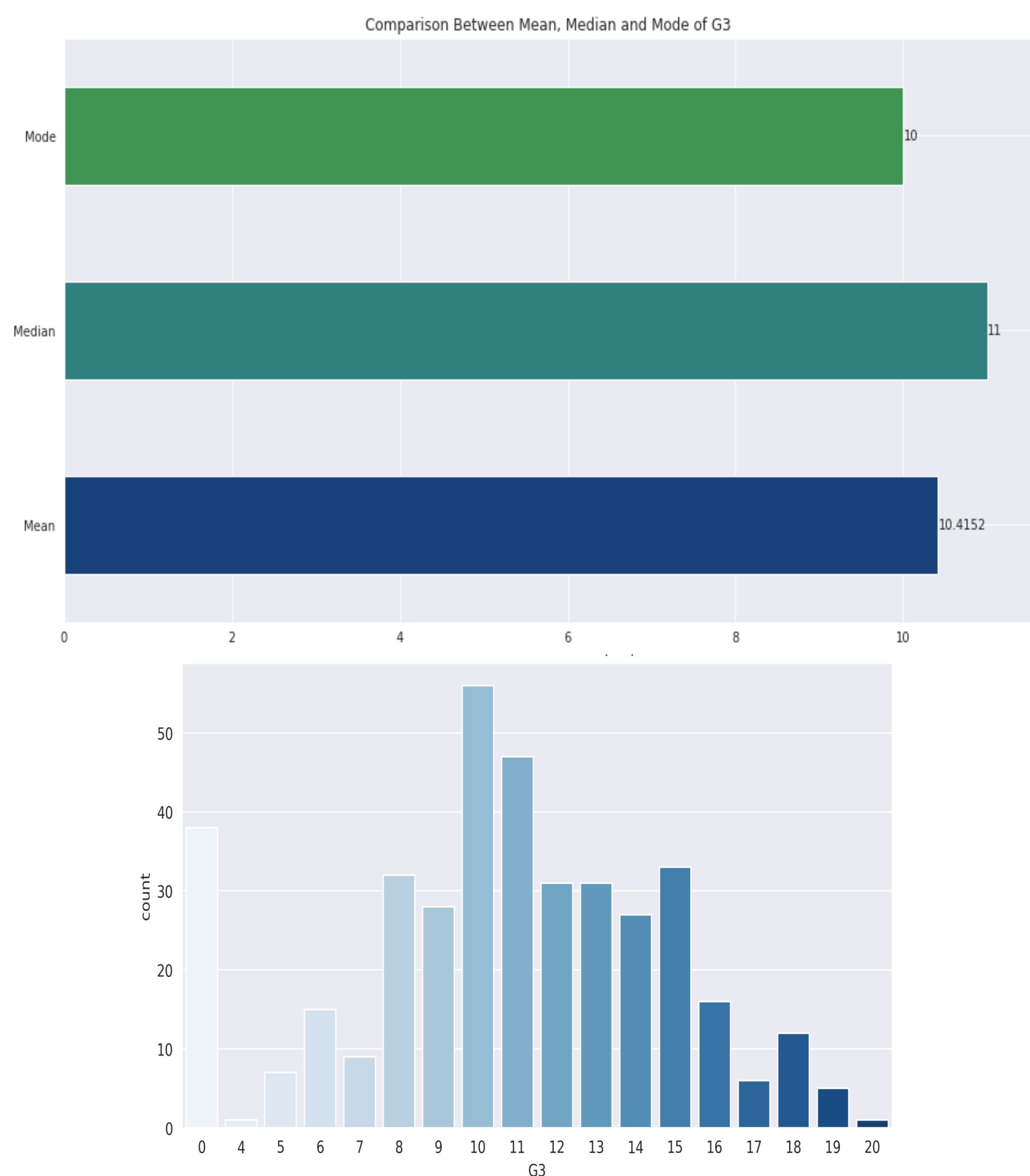
### Problem Statement:

- "Understanding high school students grades from socio-economic factors such as family size, internet access, parents' education levels, alcohol consumption patterns"
- The subsequent study's goal is to predict students' final grades in two schools by using their attributes as inputs.

### Insights :

- Various factors such as parents' occupation and education is considered.
- Students free time and their will to go out on weekends is considered.
- Availability to the internet and previous failure is considered.
- Parents alcohol consumption patterns is also studied.

### Analysis :



### Way Ahead :

From the analysis we can see students with a good level of family relations perform better than those who have a poor quality of family relations. On average students with the poorest level of 'goout' have the worst grades, while those who have a level slightly higher have the best grades. 'failures' variable is by far the most important one.