

Math Student Grades Summary Slides

May 1, 2021

PROBLEM STATEMENT

Manager of school wants to know insights of math class about grades if anything affect their grade so they can take solutions for that.

- **CONTEXT:** Exploratory Data Analysis performed in this task
- **SCOPE:** Looking into insights that found from EDA.

ANALYSIS RESULTS

- Study time: 1 = 2 hour, 2 = 2-5 hours. 3 = 5 – 10 hours, 4 = 10 or more hours

- Does study time will affect students grade?
- If you have more study time, incidacates increase in grade.
- There is really no big difference between who study 2 hours and 10 hours.

total_grade_avg	
studytime	
1	10.253968
2	10.442761
3	11.651282
4	11.728395

ANALYSIS RESULTS

- 1 = Low and 5 = High of consuming alcohol

- Does consuming alcohol affect student grades?
- We can conclude that drinking even high doesn't really affect that much grades.
- Of course, it also depends in person how is his/her body handles

total_grade_avg	
Dalc	
1	10.945652
2	9.857778
3	10.538462
4	9.814815
5	10.629630

ANALYSIS RESULTS

- Fedu = Father Education, Medu = Mother Education

- Does parents' education affect student grades in good way or bad way?
- Parents education does affect in grades.
- If higher education means more succesfull student but it's not the always that case as you can see here.

total_grade_avg	
Fedu	
0	12.666667
1	9.426829
2	10.721739
3	10.716667
4	11.618056

total_grade_avg	
Medu	
0	12.555556
1	9.197740
2	10.216828
3	10.451178
4	11.839695

FINAL THOUGHTS

As a result, depends on this data alcohol consuming, parents education and study time does affect grade in some way but not much big difference. Maybe in their cultural thing maybe they already got some resistance of alcohol for example.

Any Questions?

Thank you for listening my presentation!