

Student Alcohol Consumption





Background

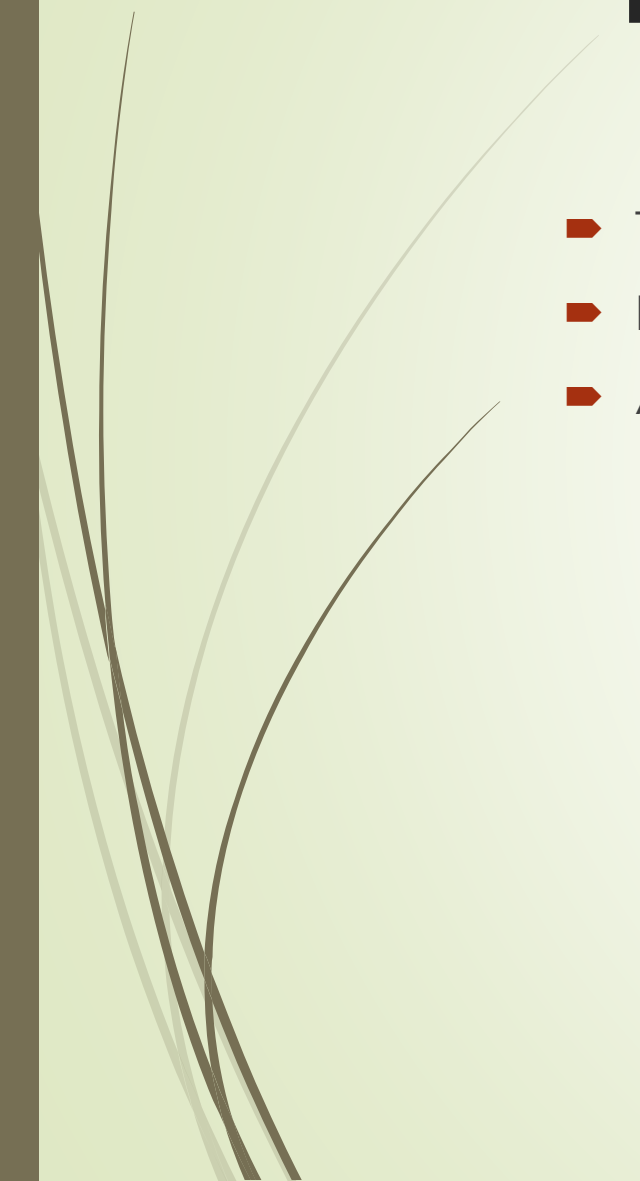
- This dataset contains a lot of interesting social, gender and study information about students

In this analysis the data I focused on is the following

- School – students had either attended 'GP' - Gabriel Pereira or 'MS' - Mousinho da Silveira
- The students sex
- Their weekly study time (1: <2h, 2: 2 - 5 h, 3: 5 – 10h, 5: >10h)
- Failures : the number of classes a student fail (0 – 0 classes, 1 – 1 class, 2 – 2 classes, 3 – 3 or more classes)
- Whether the were apart of extra curricular activities
- The amount of free time they have (1 – the least, 5- the most)



Background - Continued

- The quality of their family relationships (1 – very bad, 5 – excellent)
 - How often they go out with friends (1 – very low, 5 – very often)
 - And lastly, their final grade mark
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Question 1

- Do Students Background affect their Workday Alcohol Consumption?

Number of students per alcohol consumption categ...

XL



Alcohol consumption according to family relationship

XL

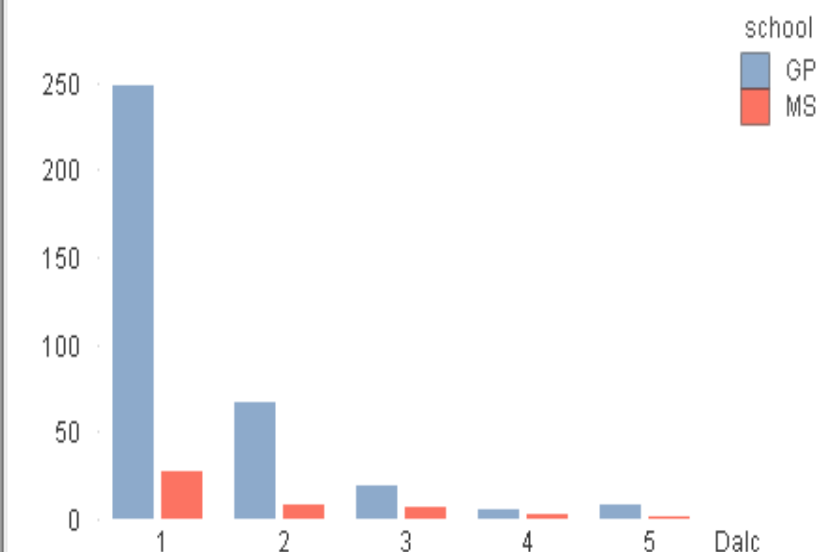


Alcohol consumption according to acitivities

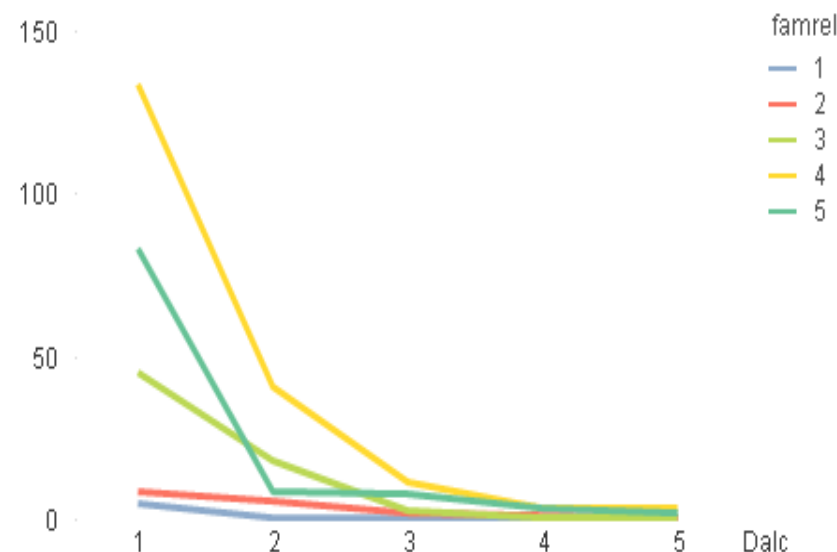
XL



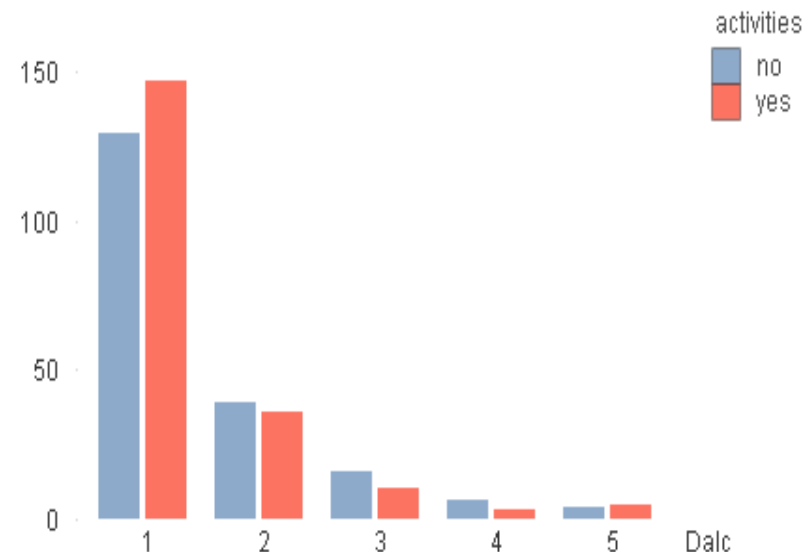
Number of students per alcohol consumption category



Alcohol consumption according to family relationship



Alcohol consumption according to acitivities



Workday alcohol consumption according to free time

XL

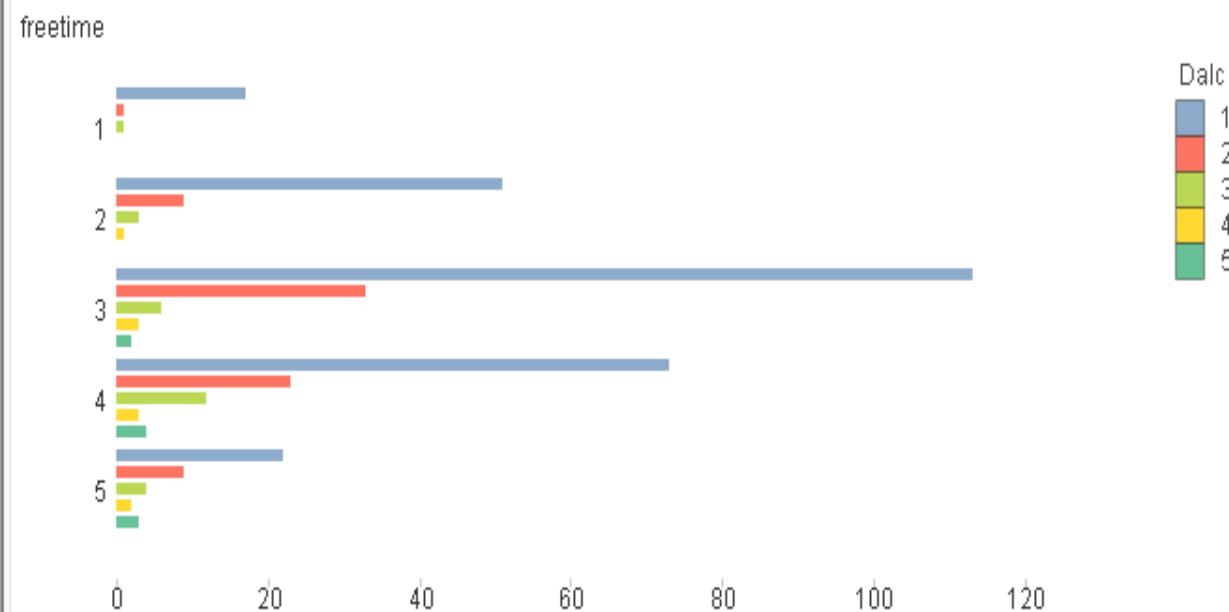


Workday alcohol consumption according to going out

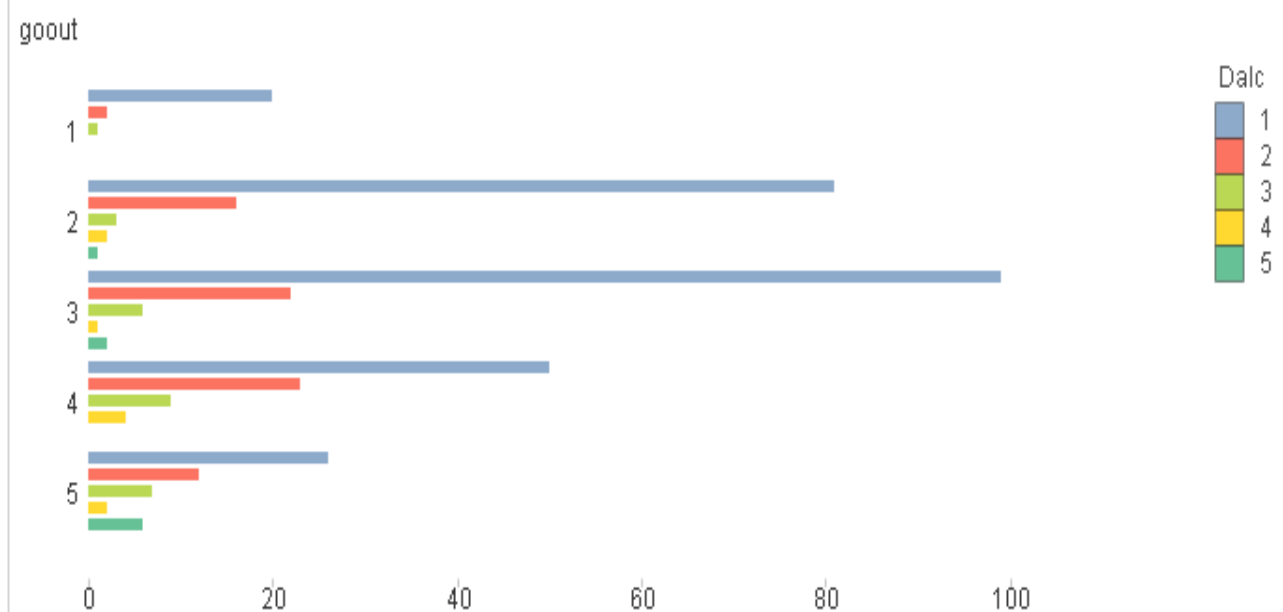
XL



Workday alcohol consumption according to free time



Workday alcohol consumption according to going out





Conclusion

- GP had more students that consumed alcohol on a workday basis that MS did
- More students with good family relationships consumed alcohol on a workday bases than those with bad family relationships
- Students that did not do extra activities consumed more alcohol on a workday basis
- The more free time students had, the more alcohol they consumed
- The more often students went out with friends, the more alcohol they consumed

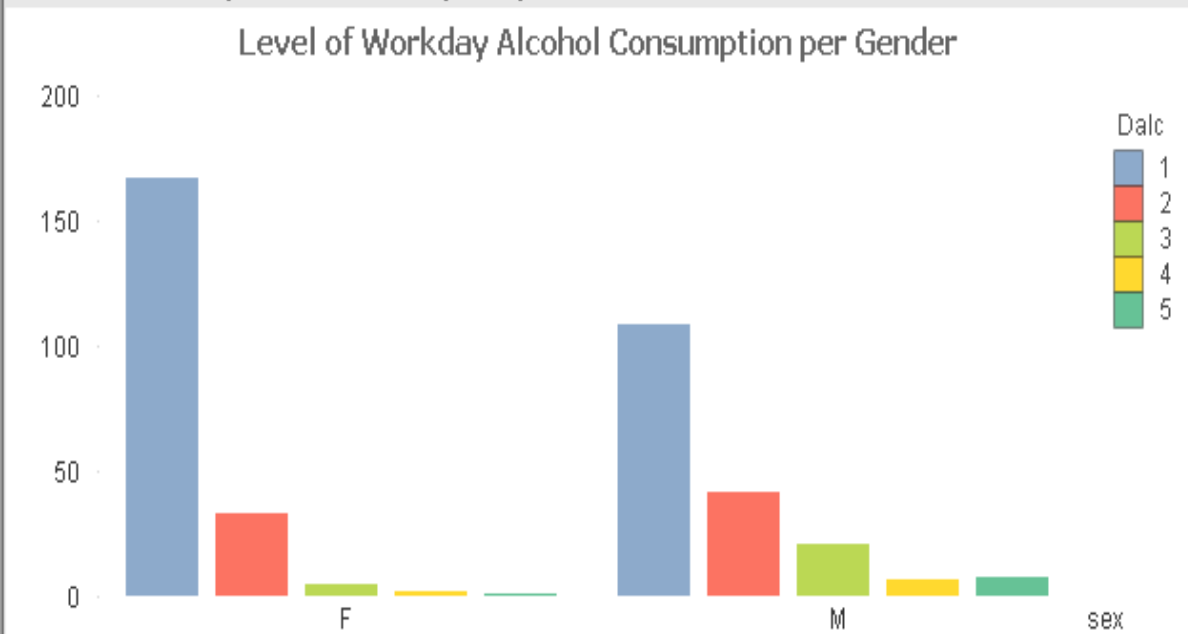


Question 2

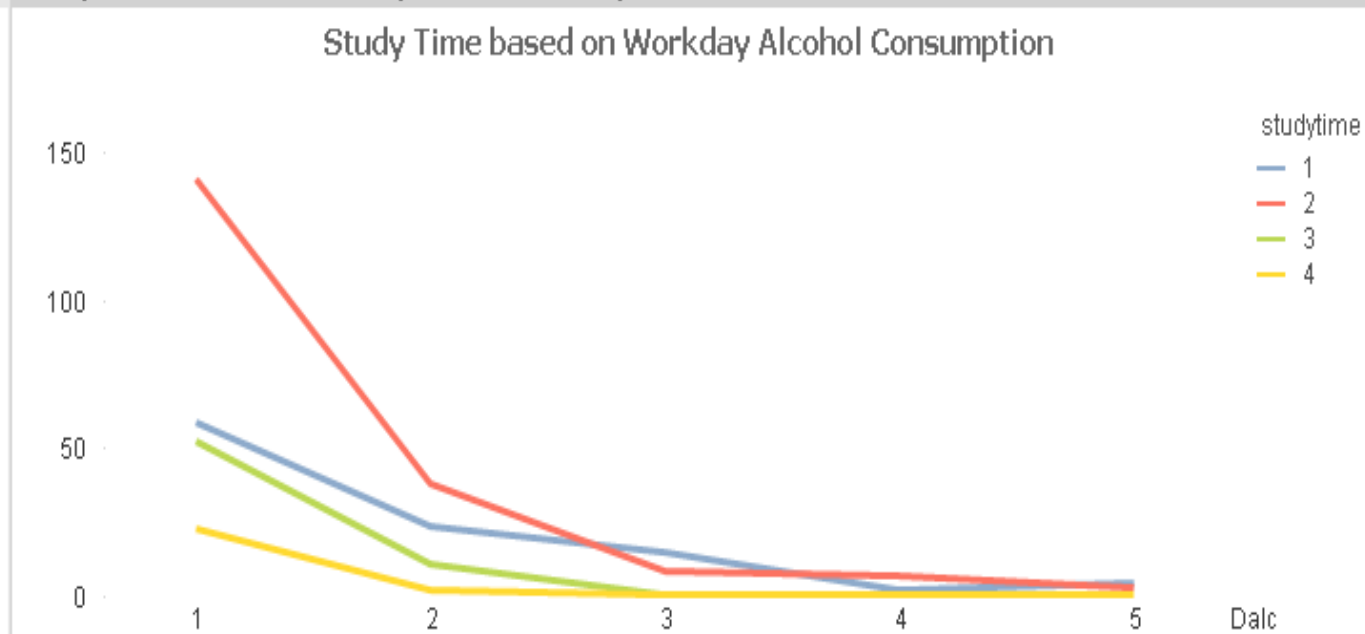
➡ Does the amount of Alcohol Consumed on Workdays by Students affect their school performance?



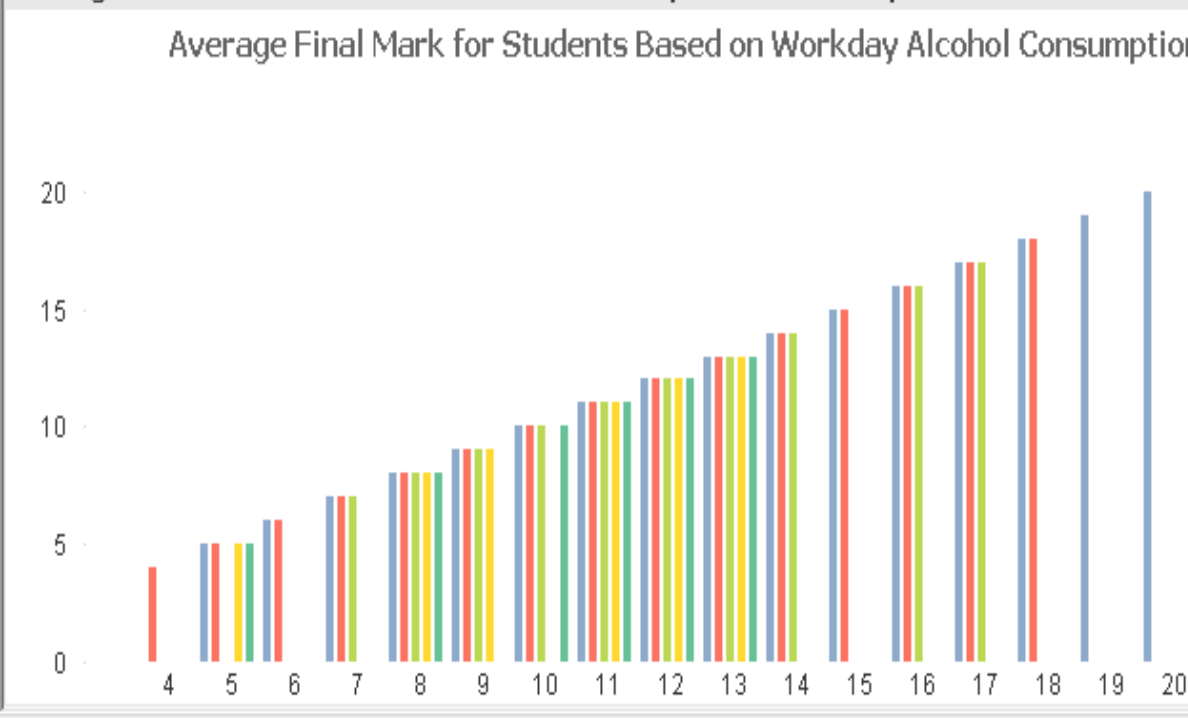
Level of Workday Alcohol Consumption per Gender



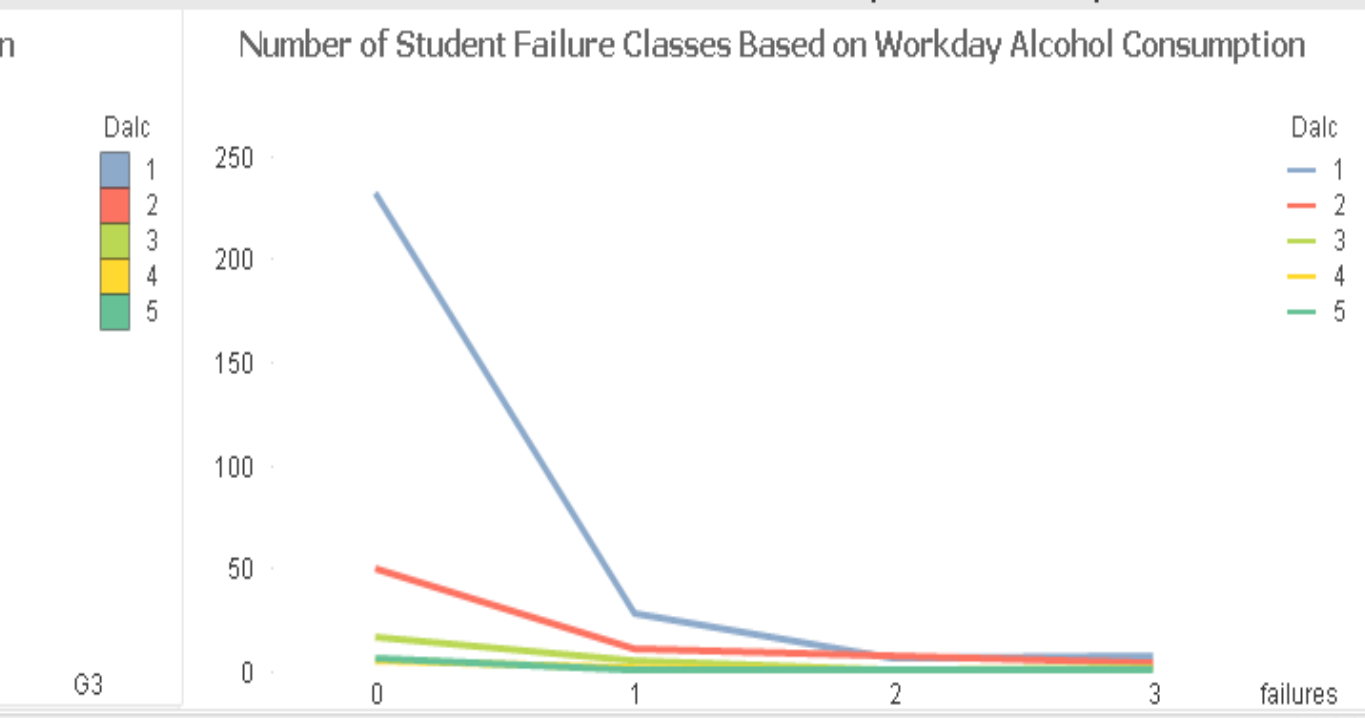
Study Time based on Workday Alcohol Consumption



Average Final Mark for Students Based on Workday Alcohol Consumption



Number of Student Failure Classes Based on Workday Alcohol Consumption





Conclusion



- There are more male students that consume alcohol on a workday basis than females for all categories
- Students that consume less alcohol spend more time studying, especially hours from 2 – 5 hours
- Students that consume alcohol more excessively have lower grade than students who don't
- Students that consume alcohol more excessively have failed more classes than students who don't



Question 3

- Do Students Background affect their Weekend Alcohol Consumption?

Number of students per alcohol consumption categ...

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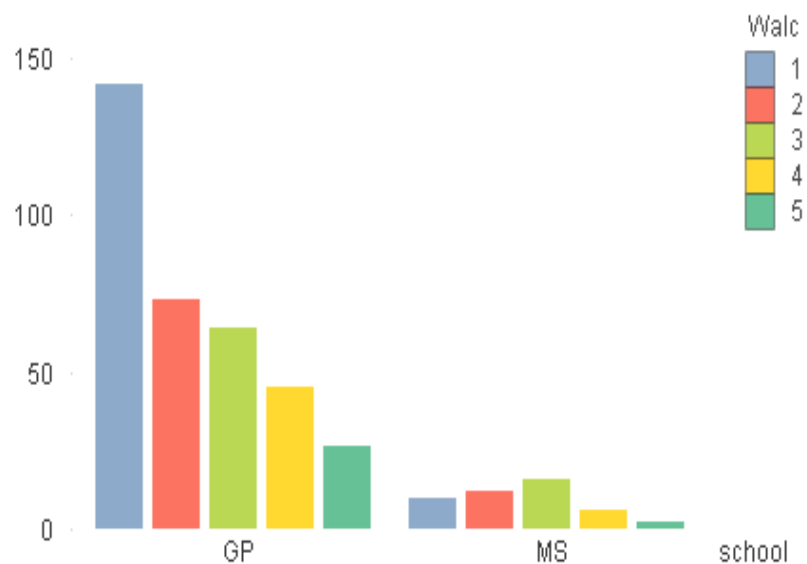
Alcohol consumption according to family relations...

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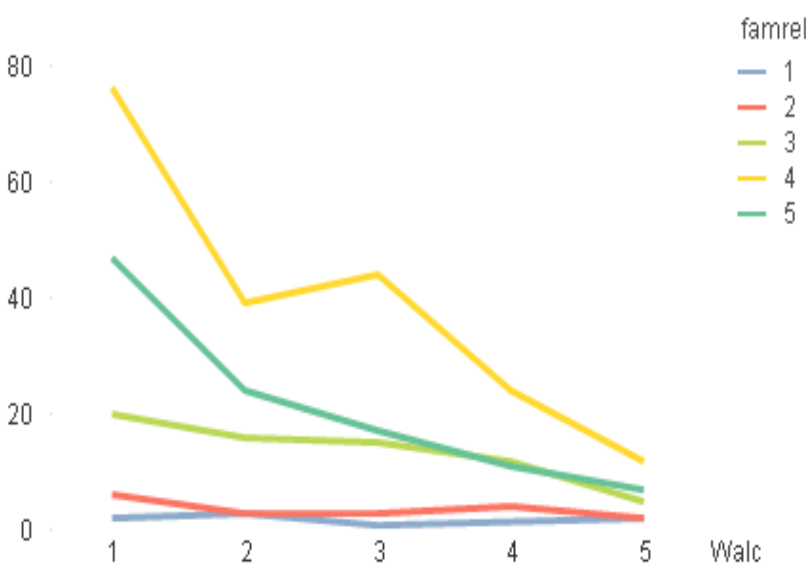
Alcohol consumption according to activities

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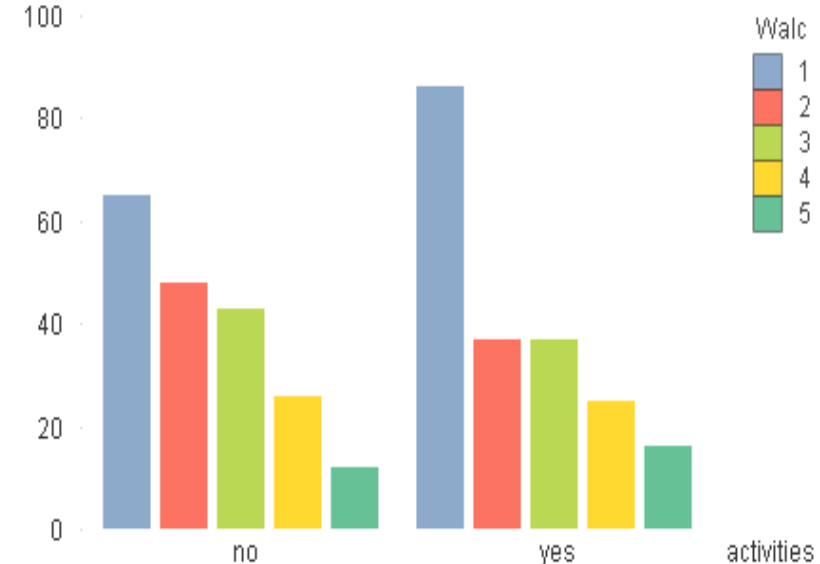
Number of students per alcohol consumption category



Alcohol consumption according to family relationship



Alcohol consumption according to activities



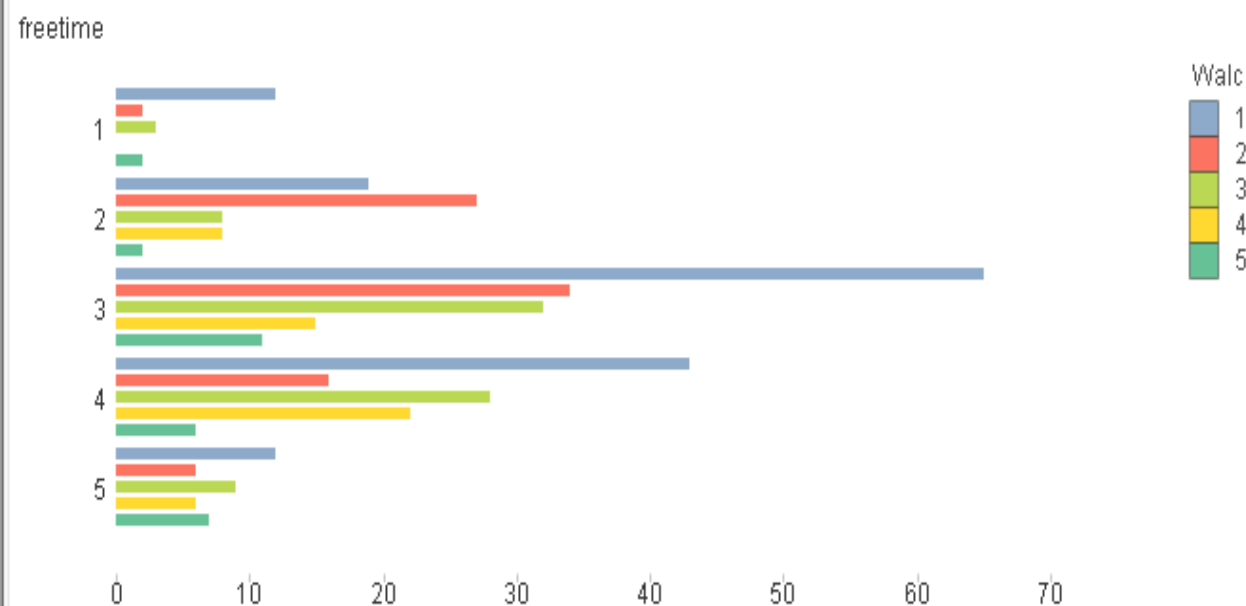
Weekend alcohol consumption according to free time

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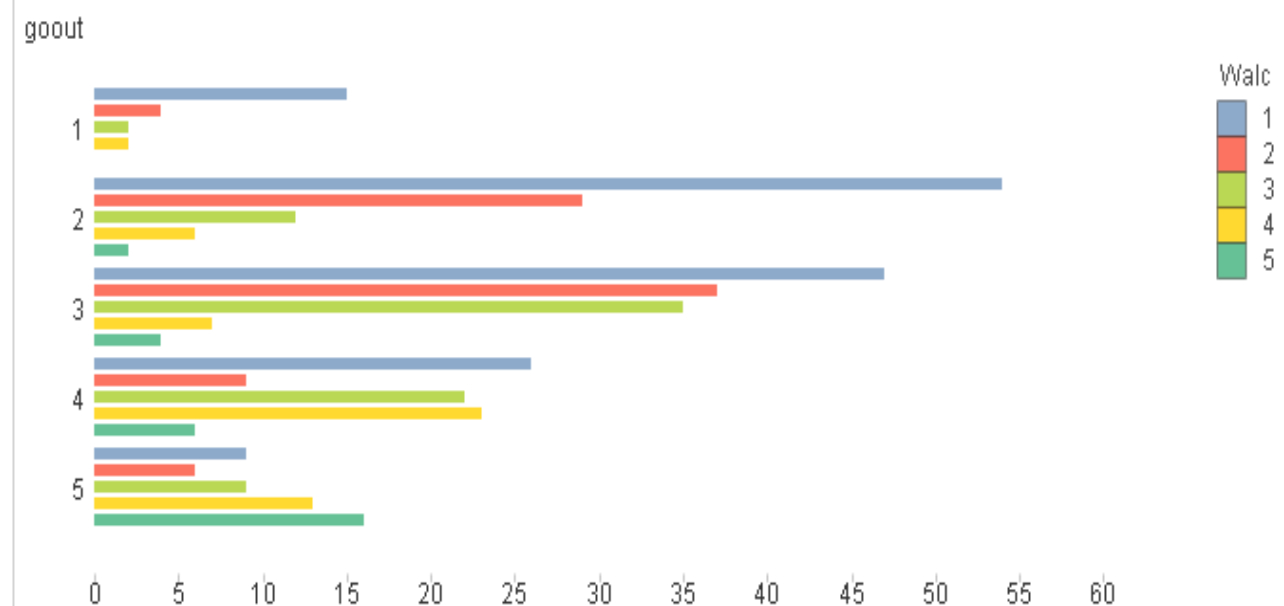
Weekend alcohol consumption according to going out

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Weekend alcohol consumption according to free time



Weekend alcohol consumption according to going out





Conclusion

- More students at GP consume alcohol on weekends than MS
- More students with good family relationships consume more alcohol on weekends than those who have bad family relationships
- Students that do not take part in extra curricular activities consume more alcohol on weekends than those who do
- The more free time students had, the more alcohol they consumed on weekends
- The more often students went out with friends, the more alcohol they consumed on weekends

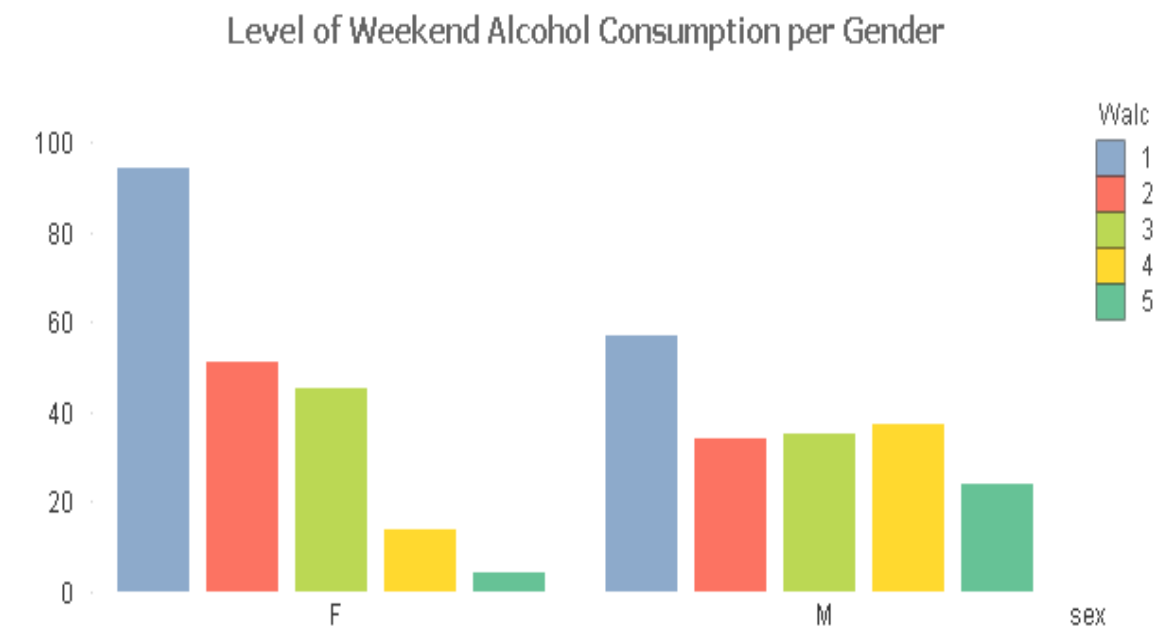


Question 4

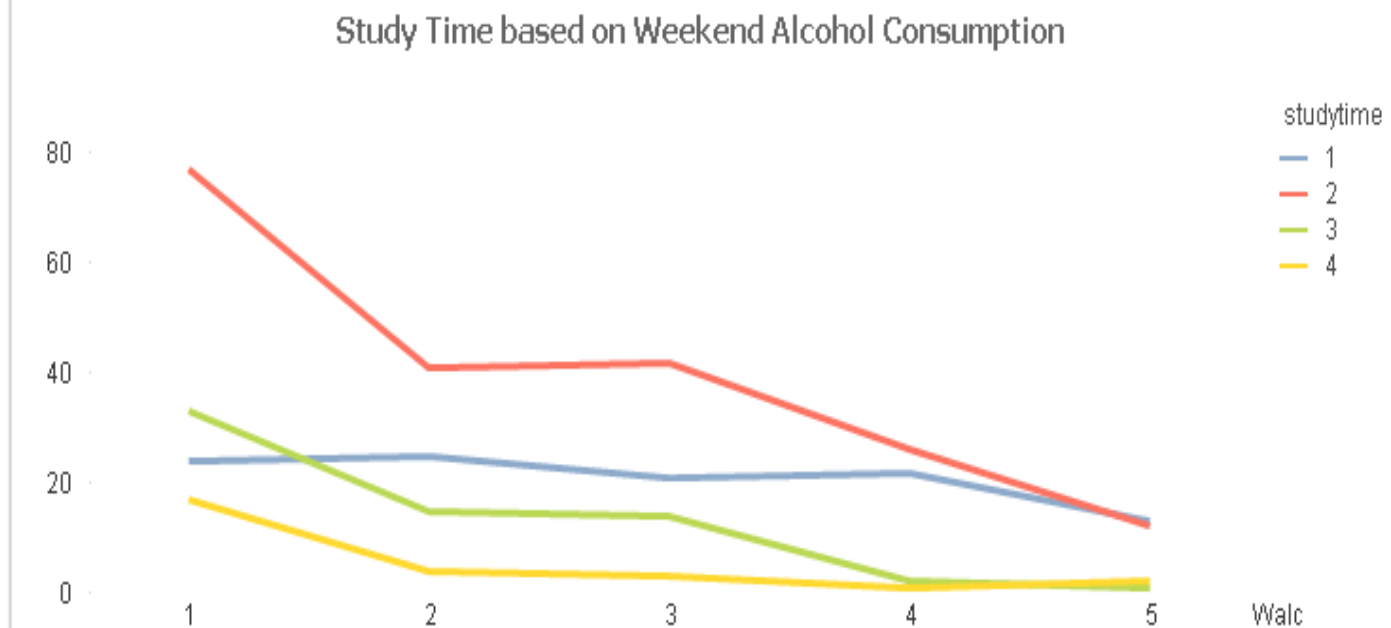
➡ Does the amount of Alcohol Consumed on Weekends by Students affect their school performance?



Level of Weekend Alcohol Consumption per Gender

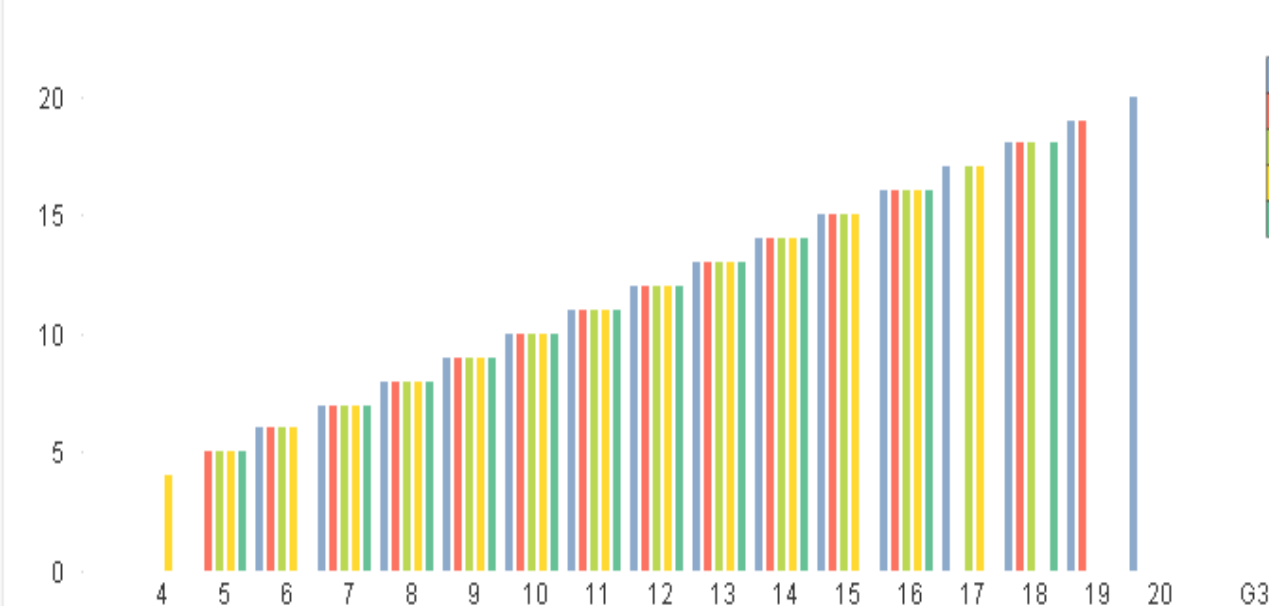


Study Time based on Weekend Alcohol Consumption



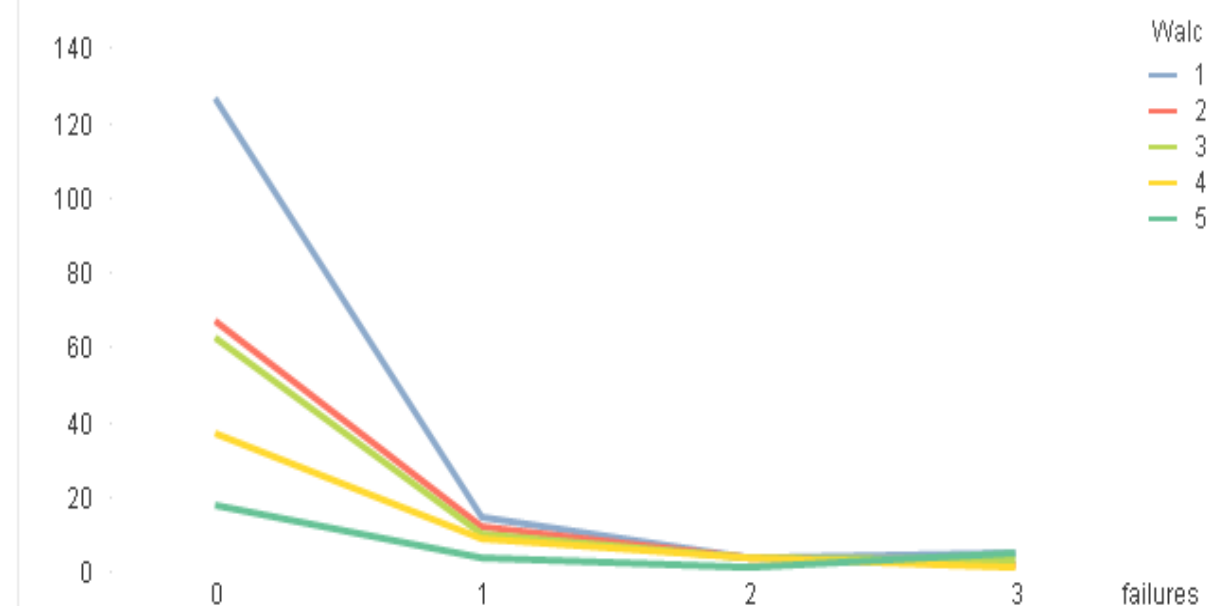
Average Final Mark for Students Based on Weekend Alcohol Consumption

Average Final Mark for Students Based on Weekend Alcohol Consumption



Number of Student Failure Classes Based on Weekend Alcohol Consumption

Number of Student Failure Classes Based on Weekend Alcohol Consumption





Conclusion

- More female students consumed alcohol on weekends for the first 3 categories than male students
 - Students that consume less alcohol on weekends spend more time studying, especially hours from 2 – 5 hours
 - Some Students that consume alcohol more excessively on weekends have lower grade than students who don't, but some of those students also managed to maintain good grades
 - Students that consume alcohol more excessively on weekends have failed more classes than students who don't
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