

Academic Success and Underage Alcohol Use

Brylee, Dakota, Haley

Research Questions

Our goal was to survey underage UVU students and their thoughts on if their consumption, or absence, of alcohol affected their academic success.

- 21 questions total, 5 demographic.

How often do you drink? By a drink, we mean half an ounce of absolute alcohol (e.g. a 12 ounce can or glass of beer or cooler, a 5-ounce glass of wine, or a drink containing 1 shot of liquor).

With respect to alcohol, would you consider yourself ... A nondrinker? Almost a nondrinker? Just a social drinker? A moderate drinker? A heavy drinker? A problem drinker?

Have you ever (check all that apply); Been absent from school because you used alcohol? Been drunk at school? Done poorly in school because you used alcohol? Chose to consume alcohol instead of school work? Consumed alcohol while completing school work?

Research Questions

Please indicate the extent to which the following statements describe you, on a scale of 1 to 7; with 7 being "describes me very well" and 1 being "does not describe me at all."

- Academic success is very important to me.
- I believe the personal connections you form at college are vital for success.
- I have been known to drink by myself.
- My career path will depend more on my personality than skills.
- Drinking is an important part of my social life.

Please indicate the extent to which you agree or disagree to each of the following statements.

- School interferes with my social life.
- I am a party animal.
- There has been a time or two when after a party I can't remember what I did.
- For my friends, drinking is part of having a good time.

Research Questions

What is currently your cumulative GPA? Please round to the nearest number.

How did you pay for school tuition this semester?

Who are you living with this semester?

Are you currently involved with extracurricular activities? (UVU approved clubs, sports, or groups)

Demographic Questions Include:

What is your gender? Annual salary? Race? Marital Status? Age?

Literature Review

Enhance our Research

- Replicate data gathering methods
- Providing resources for participants
- Addressing cultural differences



VS



Literature Review

Supports our Research

- Alcohol consumption in college students has adverse effects on educational performance
- Underage consumption of alcohol increases adverse effects
- Addition of alternative variables



Research Design

- Conducted an online survey that was distributed by email
- Distributed March 23 2020
- Reminders sent on March 25, March 28, April 1
- Ended April 6th 2020
- Opened for 15 days

Problem Encountered

- Required sample to be under the legal drinking age of 21
- Sample frame comprised of any age participants (one participant was 54)
- Gave us the opportunity to compare underage participants to participants over the age of 21

**Must Be
21 Years of Age**



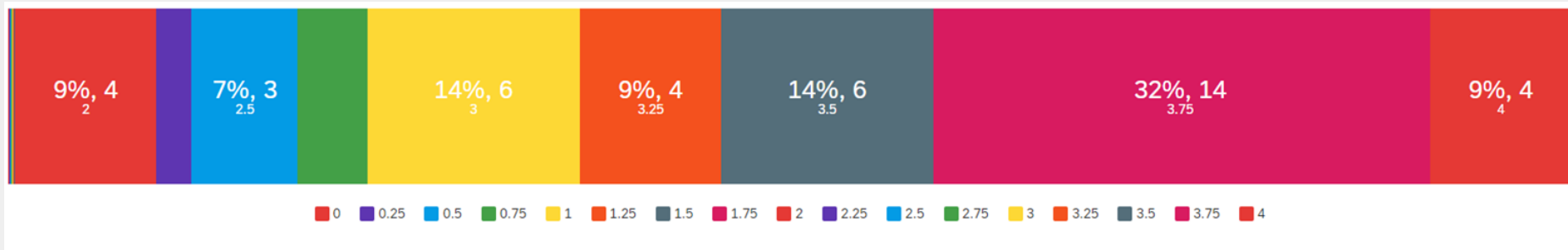
Our population was UVU students (41,728 as of 2019). We had a sample of 500 participants in which 106 of those answered. If our confidence level was 95%, our interval would be 4.36.

The response rate to our survey was 21.2%. We were relatively happy with that considering how many emails the students were receiving because of the COVID 19 pandemic. Within the first 2 days we had received 45 responses. We decided to send 3 reminder emails in hopes of a better turn out. After each of those reminder emails we received more responses until we closed the survey on April 6th.

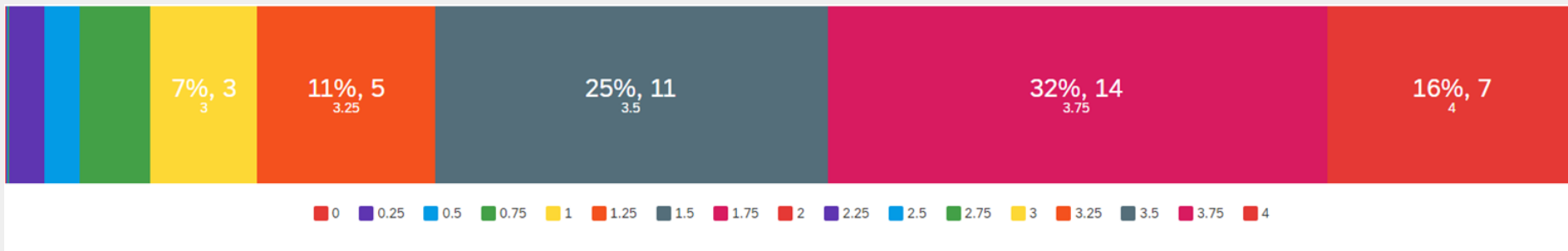
GPA

GPA and the Consumption of Alcohol

Answered YES to having consumed alcohol

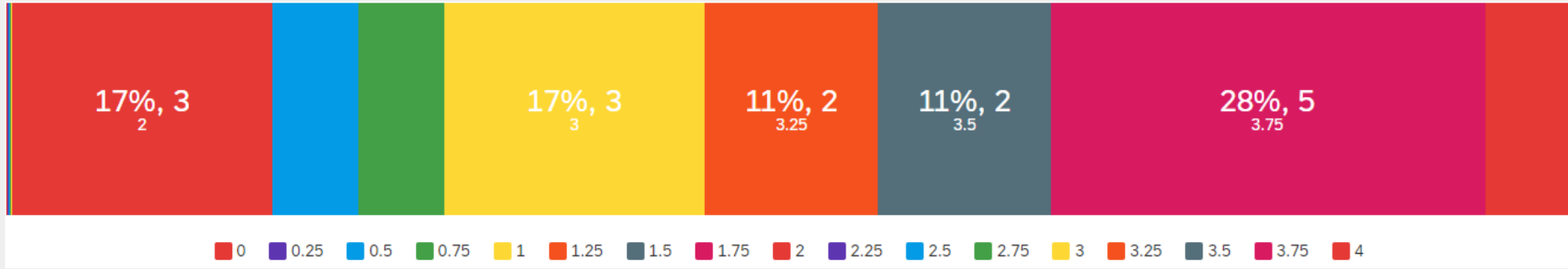


Answered NO to having consumed alcohol

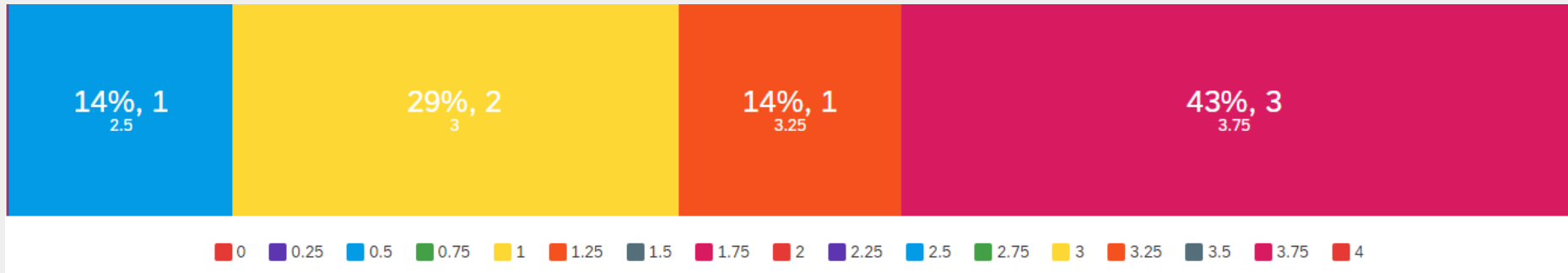


GPA and Recent consumption of Alcohol

Participants that consumed between 0 and 5 drinks in the last 30 days GPA

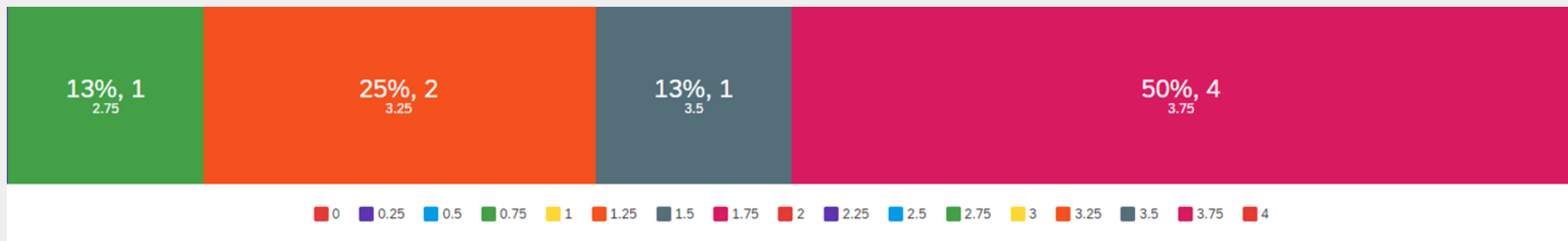


Participants that consumed between 6 and 12 drinks in the last 30 days GPA

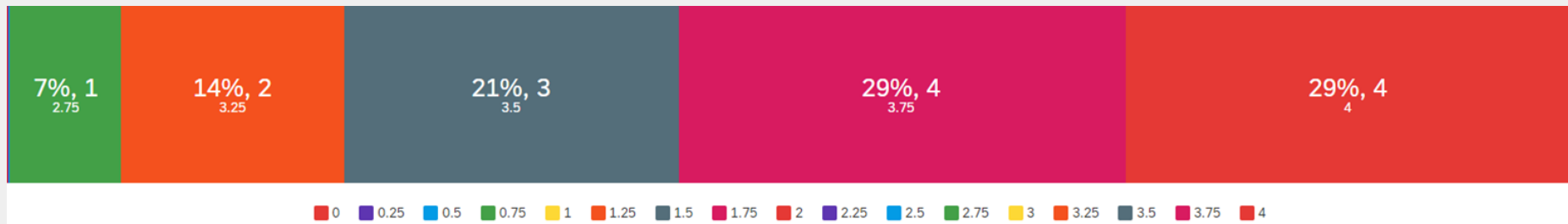


GPA of participants that are under the age of 21

Participants that have consumed alcohol

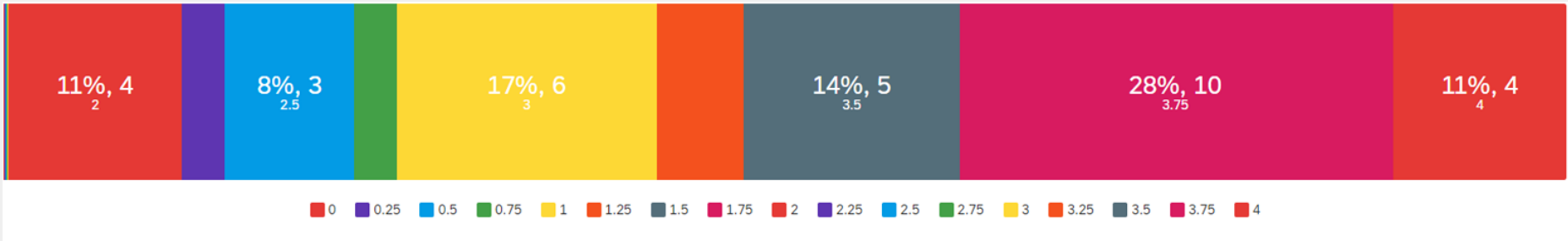


Participants that have never consumed alcohol

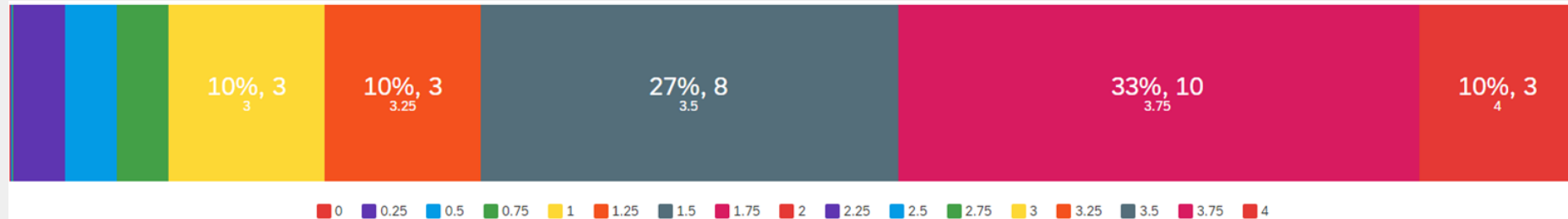


GPA of participants that are over the age of 21

Participants that have consumed alcohol



Participants that have never consumed alcohol

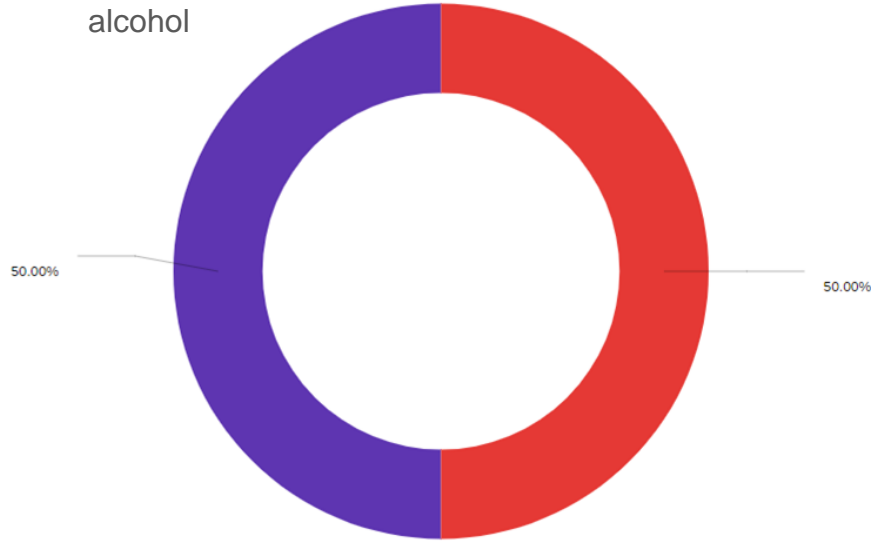


Gender - Female
VS Male

Gender - Female VS Male

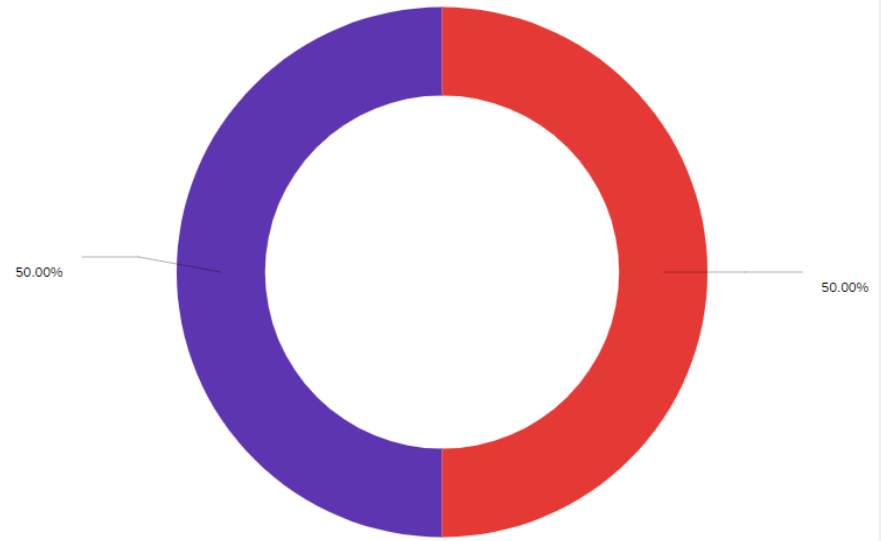
Female (54 Participants)

- **50%** Answered they had consumed alcohol



Male (34 Participants)

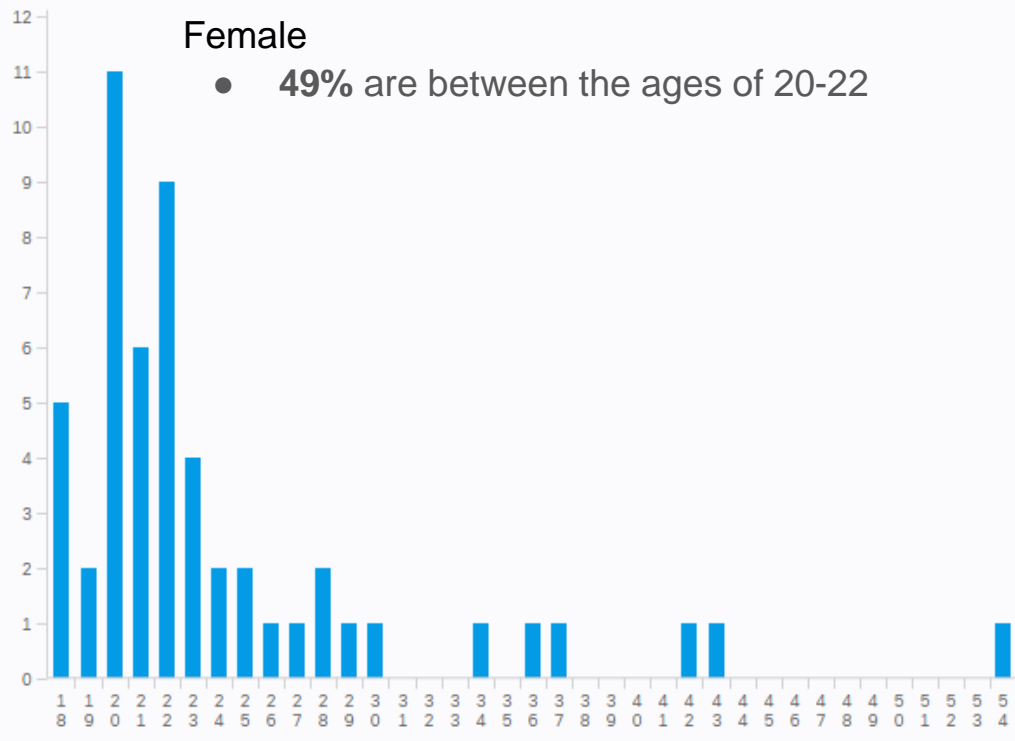
- **50%** Answered they had consumed alcohol



Gender - Ages

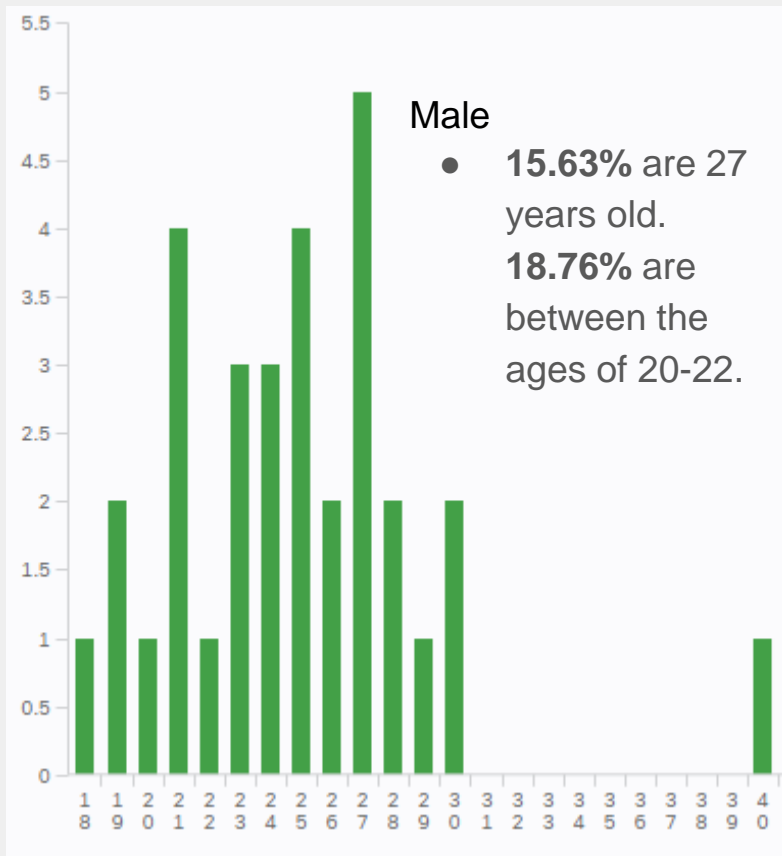
Female

- **49%** are between the ages of 20-22

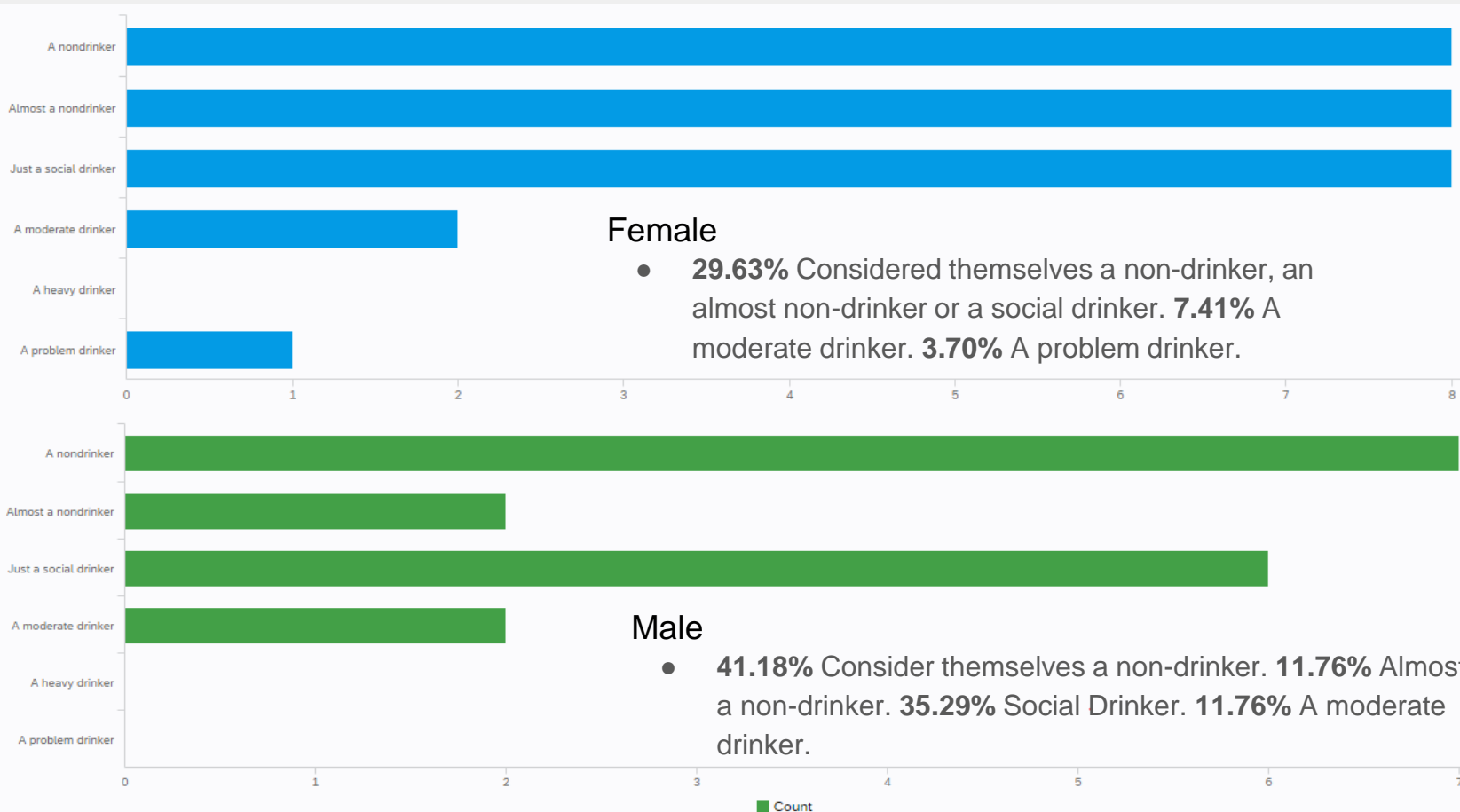


Male

- **15.63%** are 27 years old.
- **18.76%** are between the ages of 20-22.



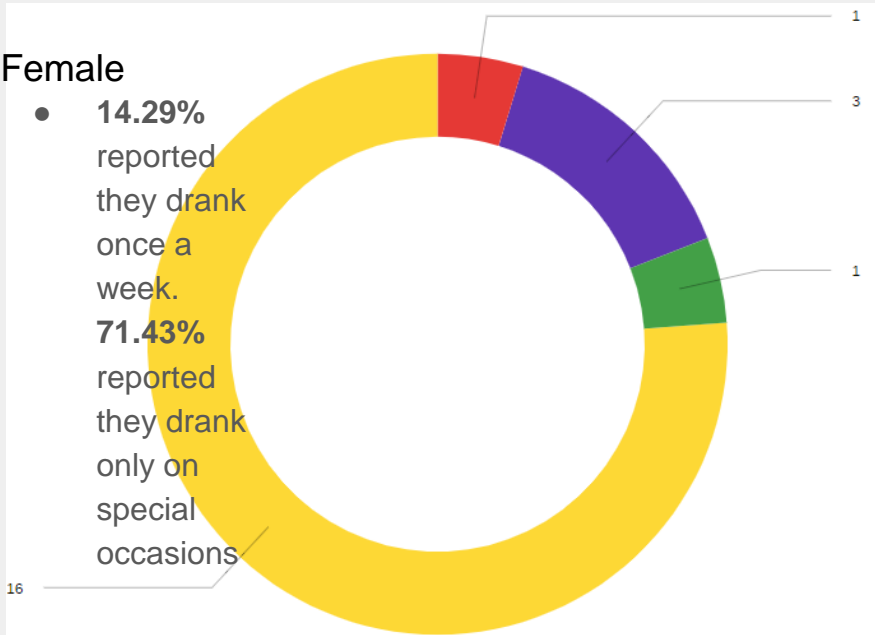
Gender - Drinker Type



Gender - Weekly Drink Count

Female

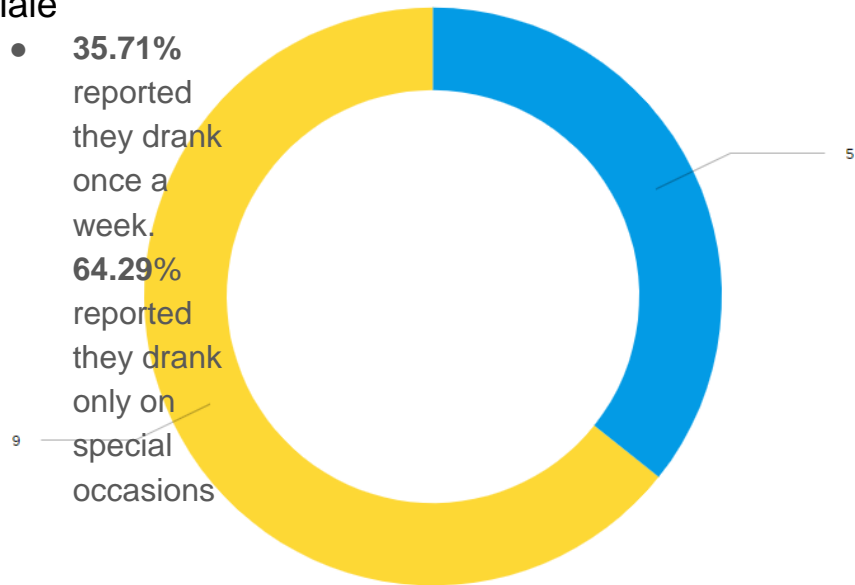
- 14.29% reported they drank once a week.
- 71.43% reported they drank only on special occasions



Every Day 3-5 times a week Once a week Only on weekends On special occasions

Male

- 35.71% reported they drank once a week.
- 64.29% reported they drank only on special occasions

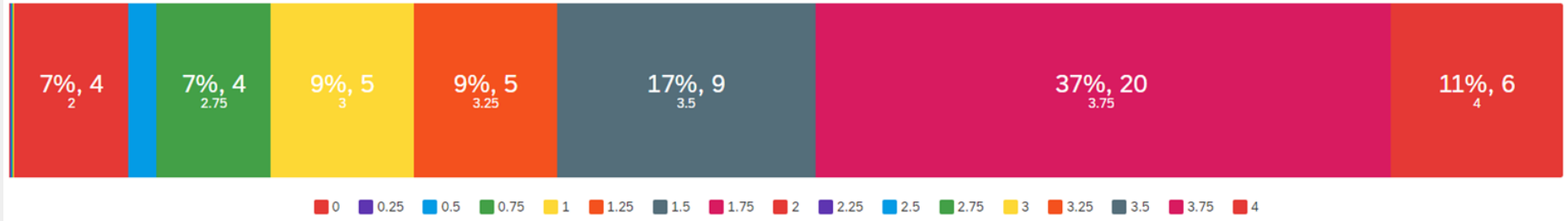


Every Day 3-5 times a week Once a week Only on weekends On special occasions

Gender - GPA

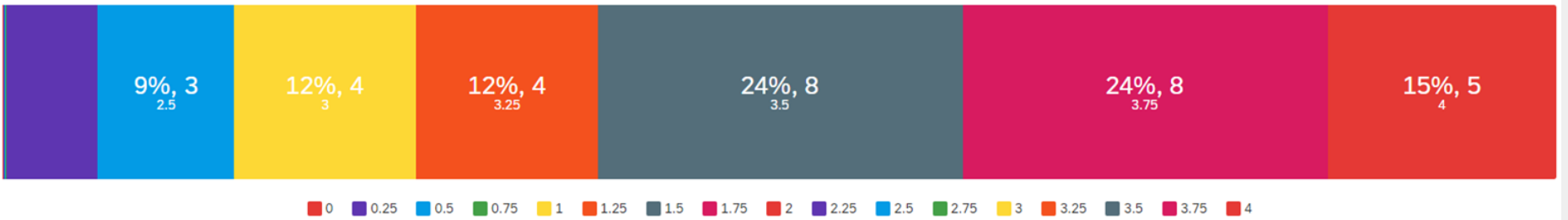
Female

- 37% reported 3.75 GPA. 17% 3.5 GPA. 16.67% under a 3.0 GPA.



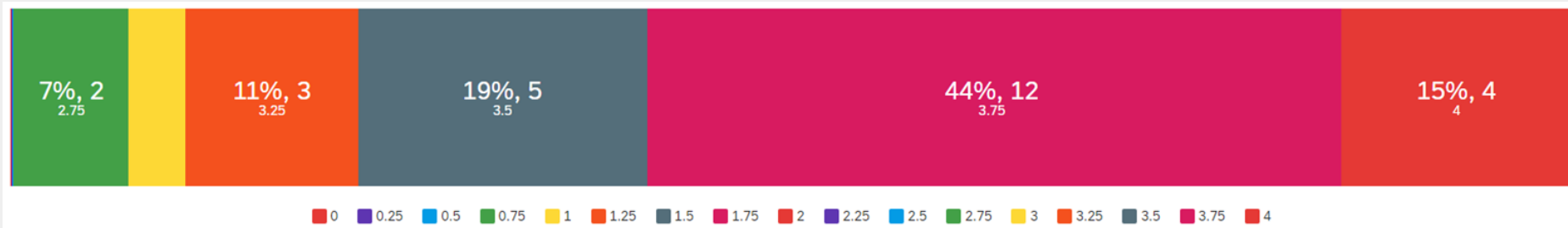
Male

- 24% reported 3.75 GPA. 24% reported 3.5 GPA. 26.46% under a 3.0 GPA

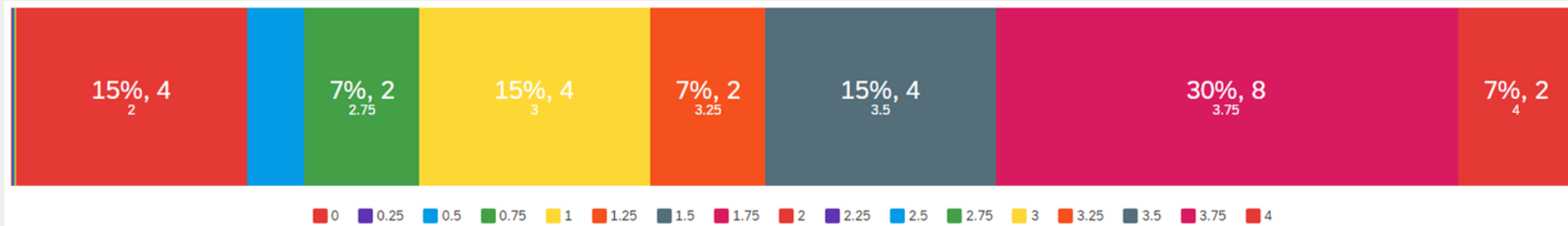


Gender - GPA (Females)

Non-drinkers - 89% above 3.0 GPA

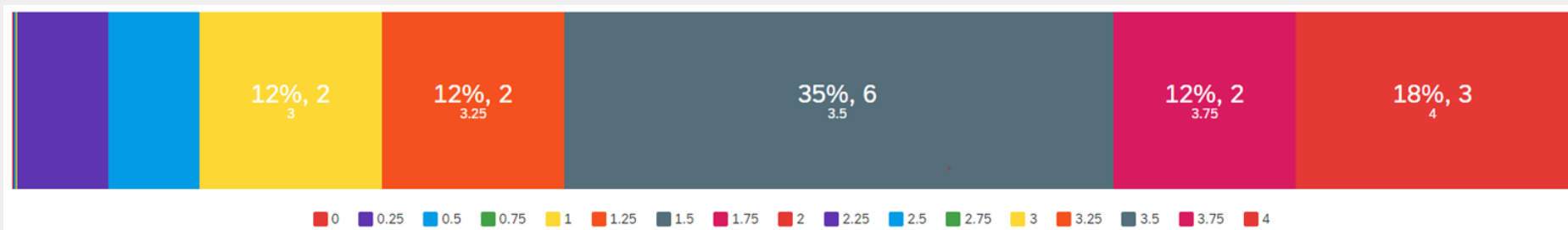


Drinkers - 74% above 3.0 GPA

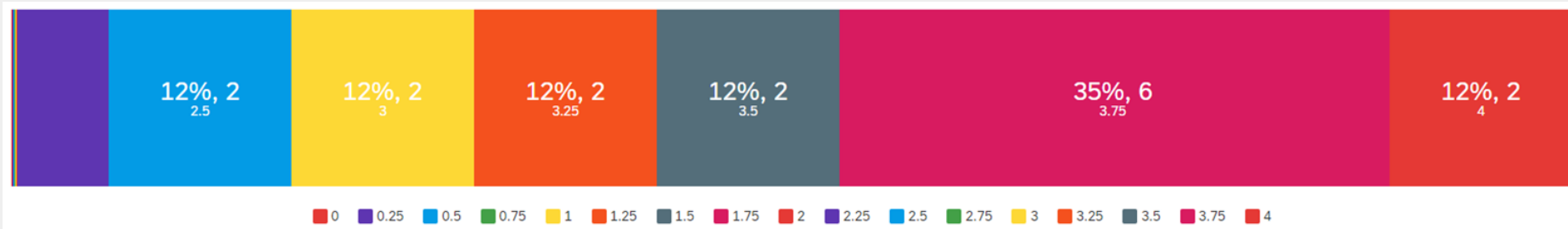


Gender - GPA (Males)

Non-drinkers - 89% above 3.0 GPA

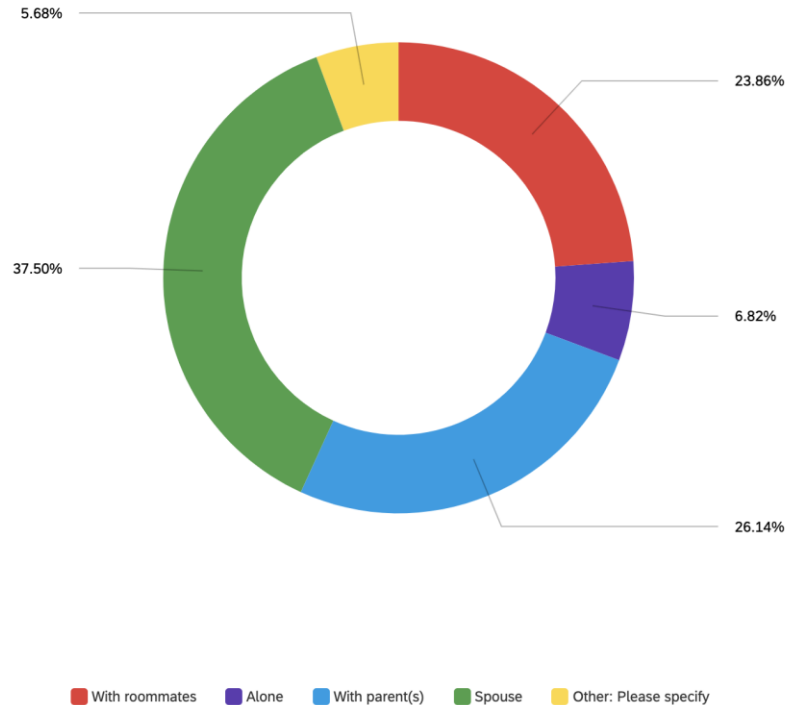


Drinkers - 83% above 3.0 GPA



Living Situation

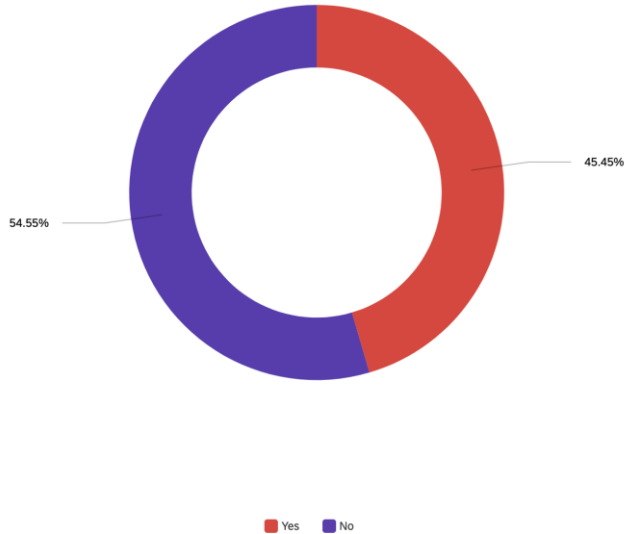
Who Surveyors Were Living With This Semester



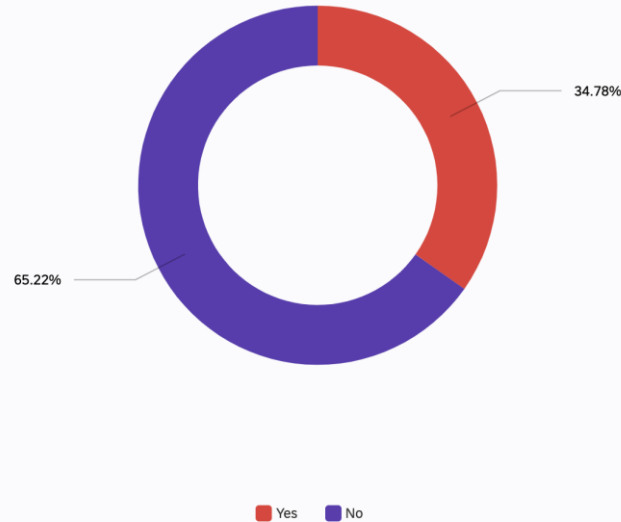
- 37.50% with a spouse.
- 26.14% with parents.
- 23.86% with roommates.
- 6.82% alone.
- 5.68% other.

Consumed Alcohol

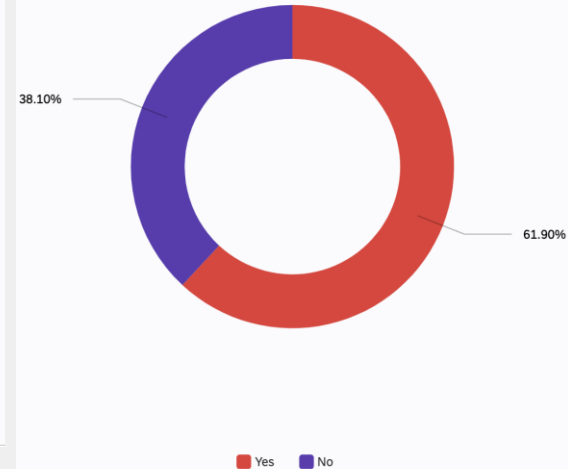
Living with spouse.



Living with parents.

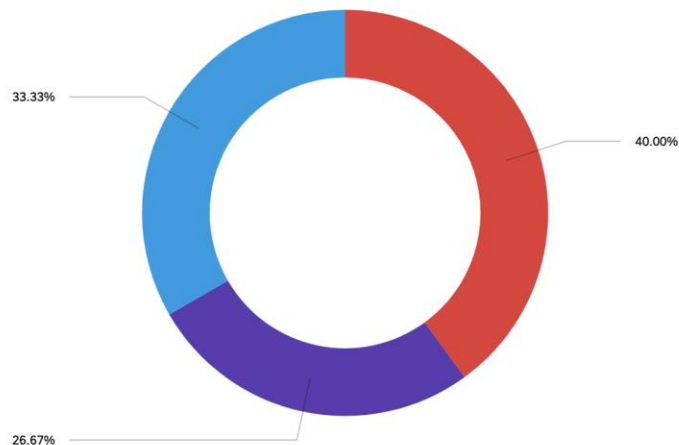


Living with roommates.



Drinker Type

Living with spouse.



A nondrinker Almost a nondrinker Just a social drinker A moderate drinker A heavy drinker A problem drinker

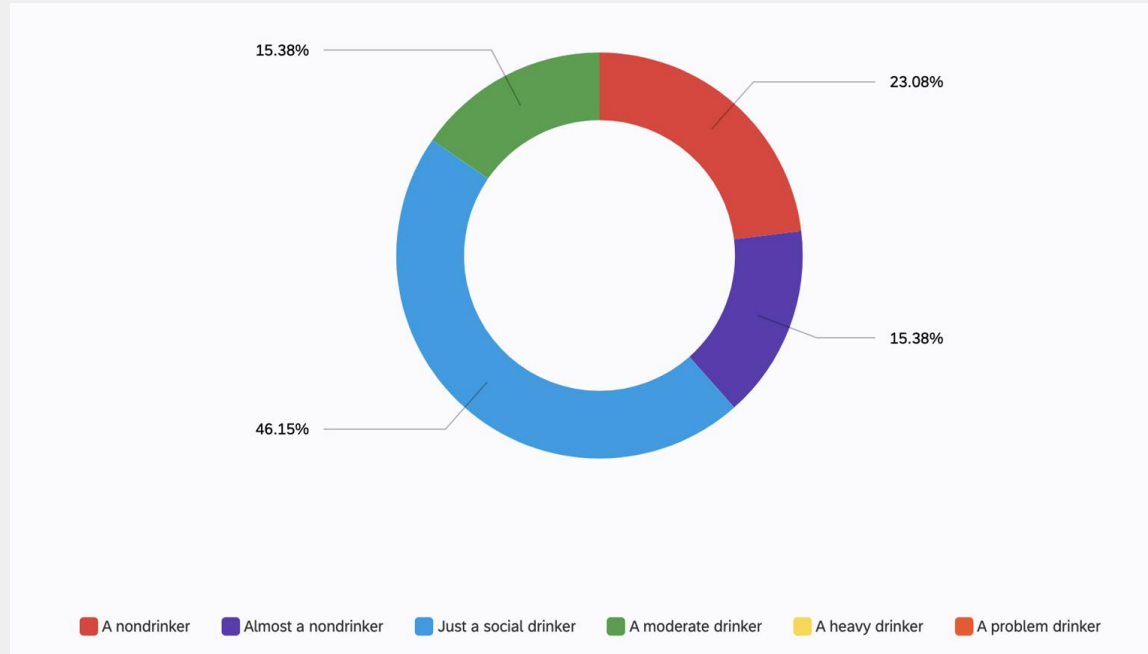
Living with parents.



A nondrinker Almost a nondrinker Just a social drinker A moderate drinker A heavy drinker A problem drinker

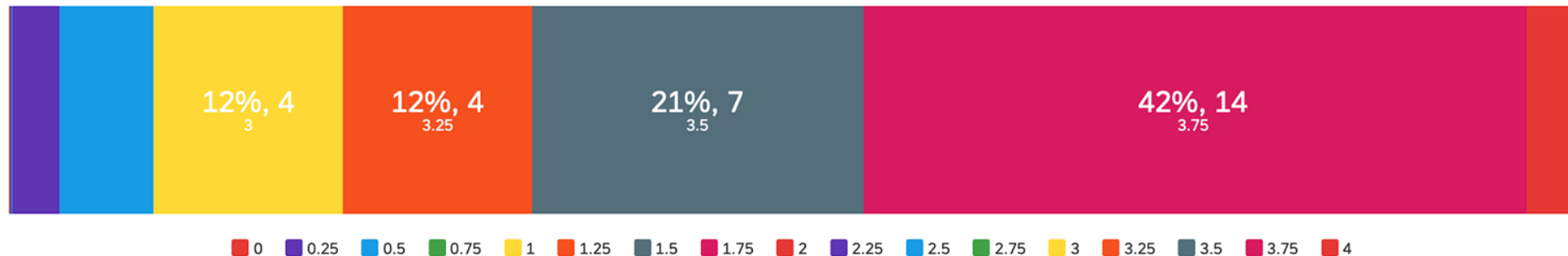
Drinker Type (Continued)

Living with roommates.

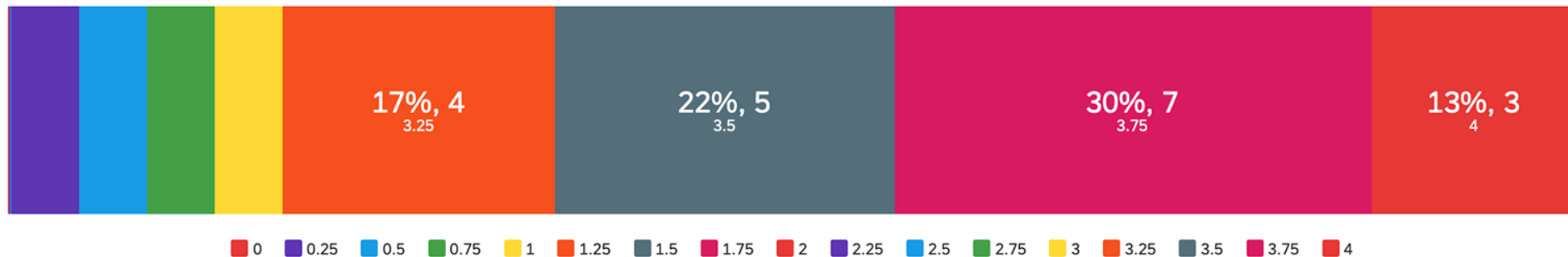


GPA

Living with spouse.

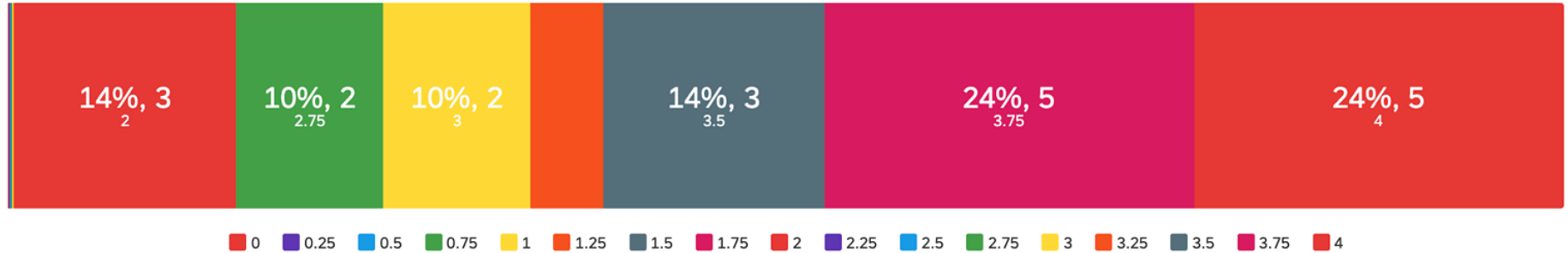


Living with parents.



GPA (Continued)

Living with roommates.



Final Conclusions

Overall, we had a variety of surveyors. It came down to 49.04% didn't consume alcohol and 50.96% did.

As a group, we concluded that alcohol intake did not influence the GPA of our sample *as much as we thought* that it would.

Although looking back at the GPA slide, the group of people that hadn't consumed alcohol had a higher percentage of individuals with a higher GPA; other factors may have been the reason for that, not necessarily alcohol alone. Alcohol consumption may not play as big of a role as say drugs, family issues, mental illness, and other hardships would on academic success.