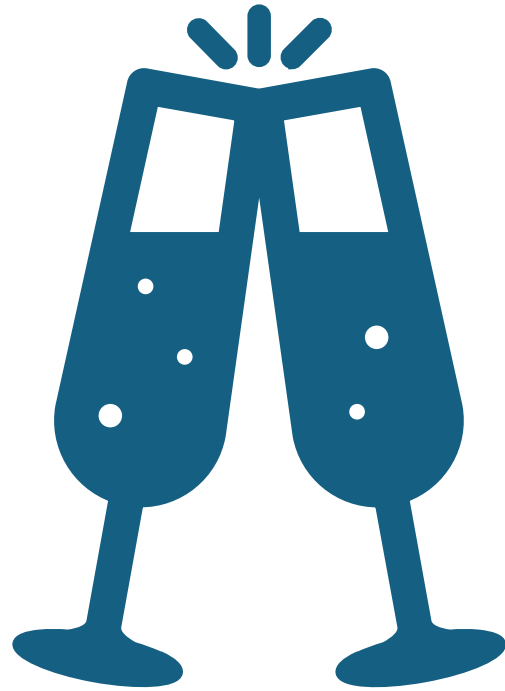


UWL Alcohol Consumption Survey Results

Presented by: The Scooby-Doo Team



Introduction

- Alcoholic drink consumption survey
 - Relationships involving year & gender
- Consider ourselves to be on the upper quartile
 - Interested in seeing how other college students rank
- Shared survey on social media and group chats
- Convenience sample
 - Snowball effect

Research Questions & Hypothesis

- How many alcoholic drinks do college-aged students consume weekly?
 - Estimated a mean of 8 drinks per week
 - $H_0: \mu = 8$
 - $H_a: \mu \neq 8$

Sampling Method



Convenience sampling

Snowball effect



Survey variables

Year in college

Gender

Whether they drink or not

- How many average drinks per week

Hypothesis Testing

- One sample t-test
 - Sample group of mostly UWL students
 - Mean of 8

Interpretation of Results

- 110 respondents
 - Cleaned data – 7 don't drink
 - Range: 0-60
- Significance level <0.001
 - Significant evidence to reject H_0
- Mean of 11.705 overall
 - Male mean of 13.7
 - 62 respondents
 - Female mean of 8.6
 - 47 respondents
 - Junior mean of 13.1
 - 51 respondents

Report

Beverages			
YearCoded	Mean	N	Std. Deviation
1	8.200	15	5.5703
2	9.304	23	8.1767
3	13.186	51	13.1465
4	12.615	13	10.1287
5	25.333	3	6.8069
6	7.600	5	3.2863
Total	11.705	110	10.9187

One-Sample Test

Test Value = 8							
	t	df	Significance		Mean Difference	95% Confidence Interval of the Difference	
			One-Sided p	Two-Sided p		Lower	Upper
Beverages	3.558	109	<.001	<.001	3.7045	1.641	5.768

Report

Beverages			
Mean	N	Std. Deviation	
11.705	110	10.9187	

Report

Beverages			
GenderCoded	Mean	N	Std. Deviation
1	13.734	62	12.5279
2	8.638	47	7.2064
3	30.000	1	.
Total	11.705	110	10.9187

Discussion of Results



Expected male average to be higher

Mean is 5 drinks higher for males.



Expected majority of respondents to be Juniors.

Group is made up of Juniors & Seniors
Majority of friends fall in this year



Since Junior year is when most students turn 21, we expected this year to have the highest average consumption.

Suggestions for Future Research

Bias towards
juniors & seniors

- Group members & friends fall in these grades

Underaged
respondents

- Hesitant to be honest

Social
desirability bias

- Exaggeration or downplaying of responses



Conclusion & Questions

- Survey asking how many alcoholic drinks college-aged students consume per week
 - Convenience sample
 - Estimated mean of 8
- One sample t-test
 - Sufficient evidence to reject H_0
- Found mean to be 11.705
 - 5 drinks higher for males
 - Juniors have the highest average (13.1)



Thank you!