

Freshman's Study Hours at Bryant University

Your name | Teacher's name | School

Introduction

We study the weekly study hours of a Bryant freshman and if club activities affect the study hours. We also investigate if finance majors study longer than non-finance majors.

Hypothesis

Hypothesis 1: Bryant Freshman study more than 10 hours a week.

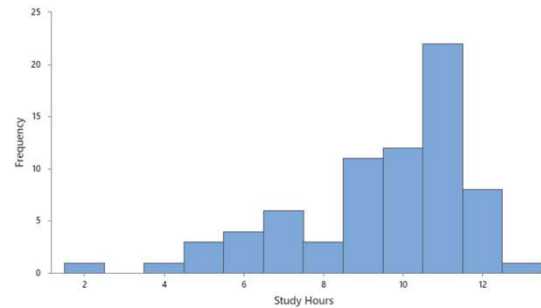
Hypothesis 2: Bryant Freshman who involved in more than three clubs study less than those who involved in less than or equal to three class.

Hypothesis 3: Finance major freshman study one more hour per week than non-finance majors do.

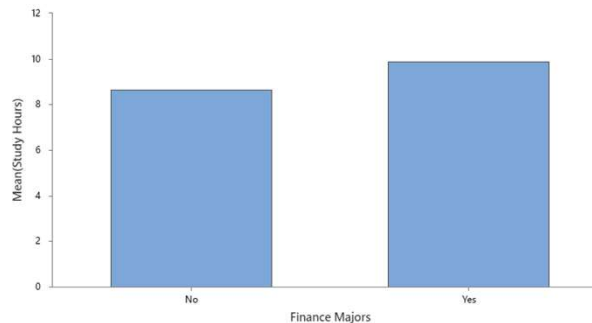
Data Collection/Survey

- Our survey to Bryant freshman consists of three questions
 - Q1: How many hours do you study a week?
 - Q2: Are you participating in more than three clubs? (Yes/No)
 - Q3: Are you a finance major? (Yes/No)
- We received 75 responses, in which 3 responses have missing values.
- We use Minitab to for our calculations and visualization. We use one-sample t-test for hypothesis 1 and two-sample t-test for hypotheses 2 and 3.

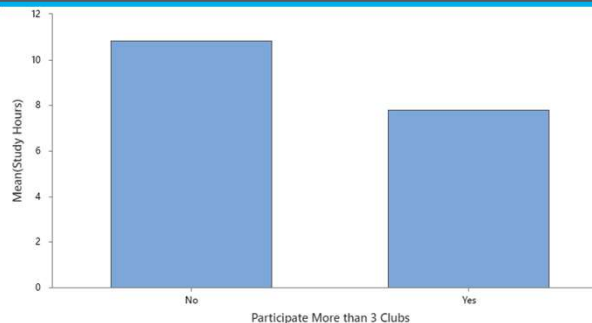
Data Visualization 1



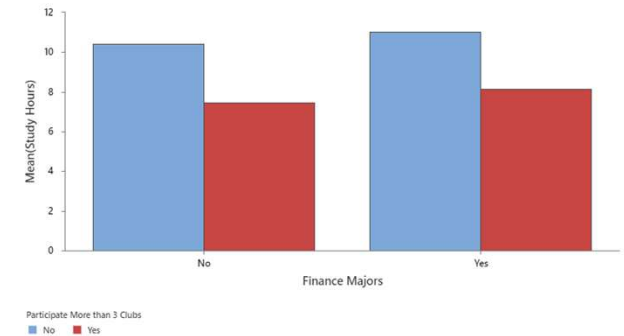
Data Visualization 2



Data Visualization 3



Data Visualization 4



Test Results

Hypothesis	P-value
1	0.99
2	0.00
3	0.667

Conclusion

- Using the 5% confidence level, we conclude there is insufficient evidence to conclude that Bryant Freshman study more than 10 hours (p -value = 0.99) and that finance majors study one hour more than non-finance majors (p -values = 0.667).
- We do find sufficient evidence from the data (p -value = 0.00) to support that those who involved in more than three clubs study more hours than those participating in less than or three clubs.
- This result may be useful for the freshman who seek balance between study time and club activities.