2023

New Student Survey

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Agenda

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06 Thank You :)

01

Introduction

About HEDS

The Higher Education Data Sharing (HEDS) Consortium is an independent organization of colleges and universities committed to advancing undergraduate liberal arts institutions through data collection and analysis.

About HEDS

The survey was conducted by HEDS in representation of [omitted]. The goal of the survey was to get a better understanding of the experiences, goals, and concerns of its new students.

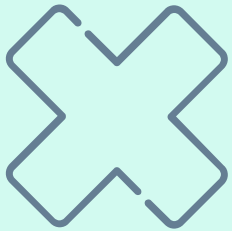
02

Objectives and Hypotheses

Objective 1

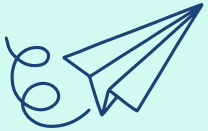
Identify any significant differences in graduation goals for each ethnicities.

Hypothesis #1



Null

There are no significant differences for each ethnicity in graduation goals.



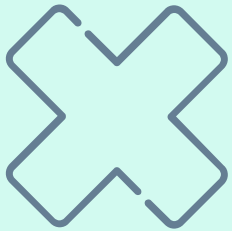
Alternative

There are significant differences for each ethnicity in graduation goals.

Objective 2

Identify any significant differences in worries for each ethnicities.

Hypothesis #2



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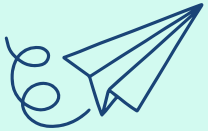
There are no significant differences for each ethnicity in worries.



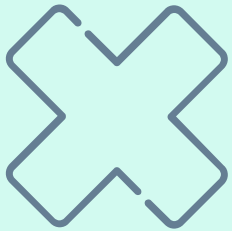
Alternative

There are significant differences for each ethnicity in worries.

Objective 3

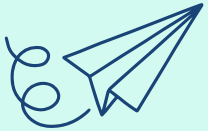
Identify any significant correlations in graduation goals between STEM and non-STEM majors.

Hypothesis #3



Null

There is no significant correlation between STEM and non-STEM majors in graduation goals.

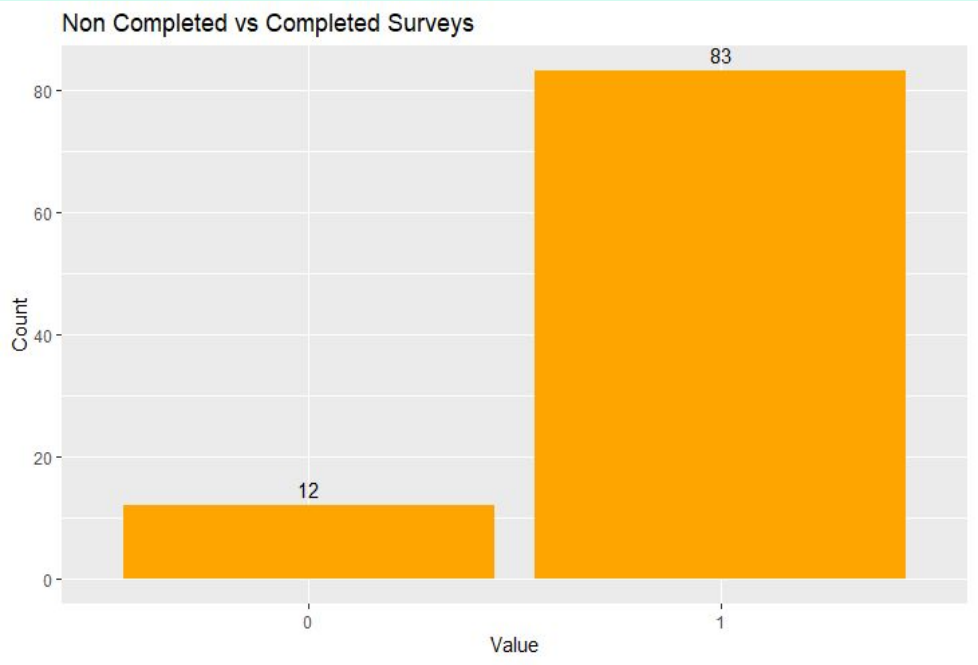


Alternative

There is a significant correlation between STEM and non-STEM majors in graduation goals.

03

Our Dataset



About the Dataset

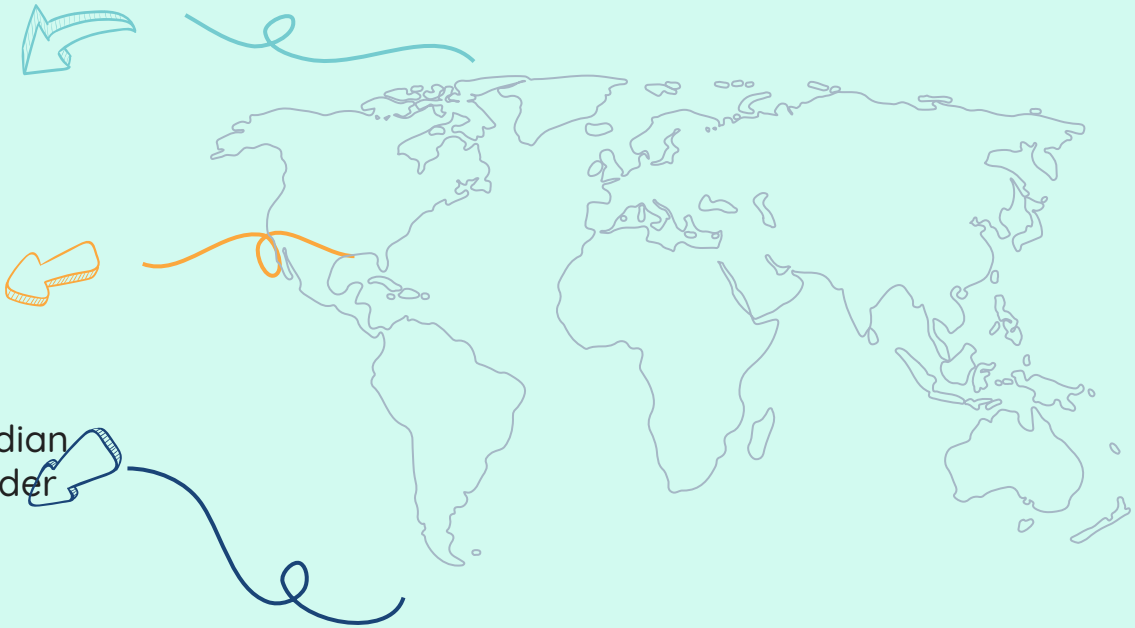
Conducted Fall 2023
Sample from student population survey
96 total entries
93 Freshmans
3 Sophomores
16 majors

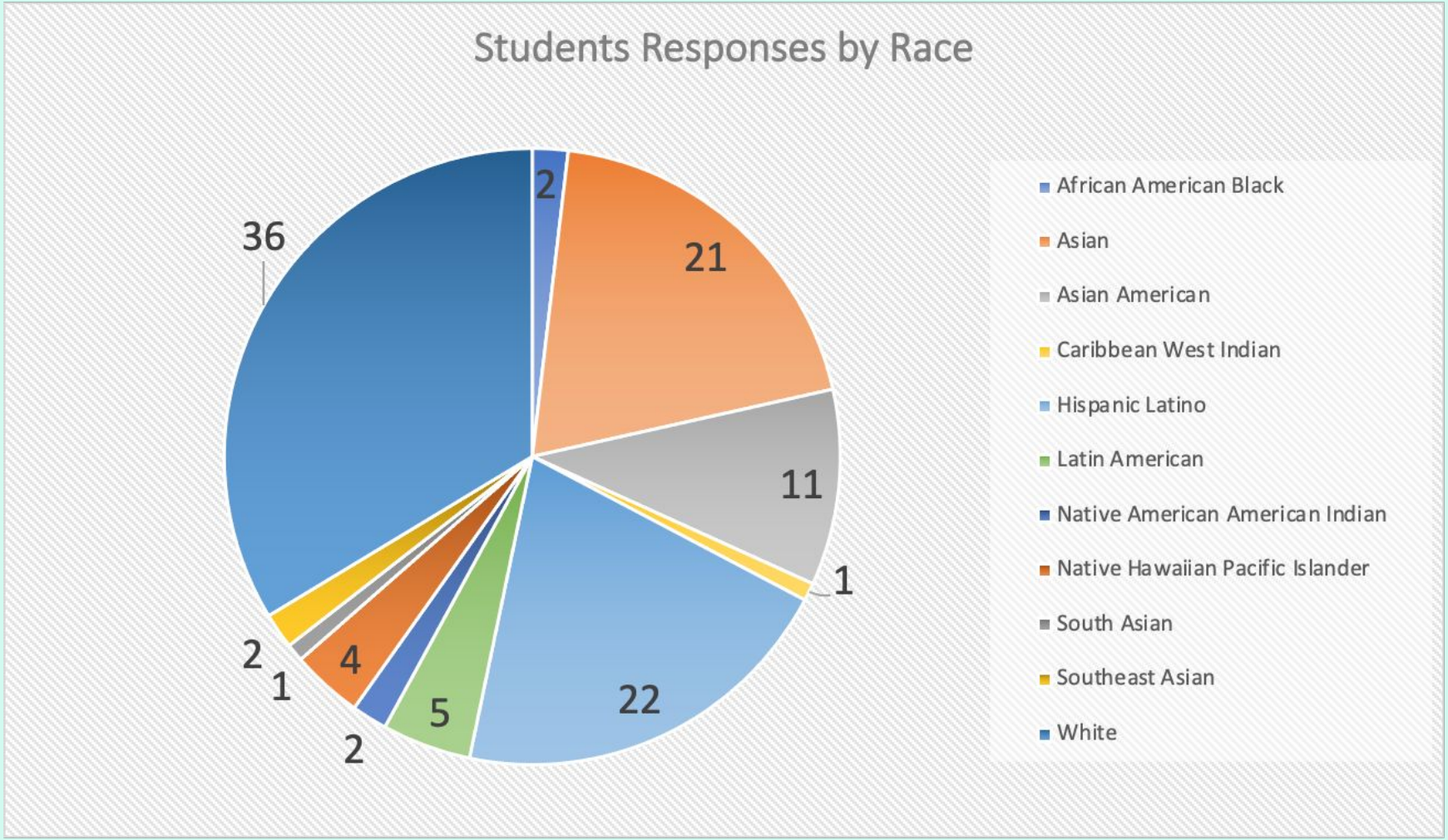
No one is a double major
All Students are full-time

Independent Variables

Race

African American Black
Asian
Asian American
Caribbean West Indian
Hispanic Latino(a)
Latin American
Middle Eastern
Native American American Indian
Native Hawaiian Pacific Islander
South Asian
Southeast Asian
White




Students Responses by Race
2
21
11
1
22
5
2
4
1
2
36
African American Black
Asian
Asian American
Caribbean West Indian
Hispanic Latino
Latin American
Native American American Indian
Native Hawaiian Pacific Islander
South Asian
Southeast Asian
White

Independent Variables

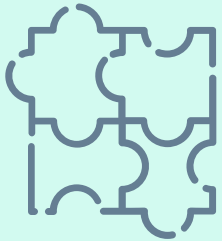
Majors (16)

Nursing
Global Public Health
Business Administration
Biological Sciences
Social Justice
Education Studies
English
Communication and Media Studies
Dance
Psychology
History
Visual Studies
English with a Writing Emphasis
Graphic Art and Design
Political Science
Literary and Intercultural Studies
Non-disclosed

04

Analysis

D. Variables: Graduation Goals (Yes/No)



Gradgoals_challenges:

I feel prepared to deal with intellectual and interpersonal challenges that will come my way.

Gradgoals_financial:

I feel confident that I will be able to financially support myself in the future.

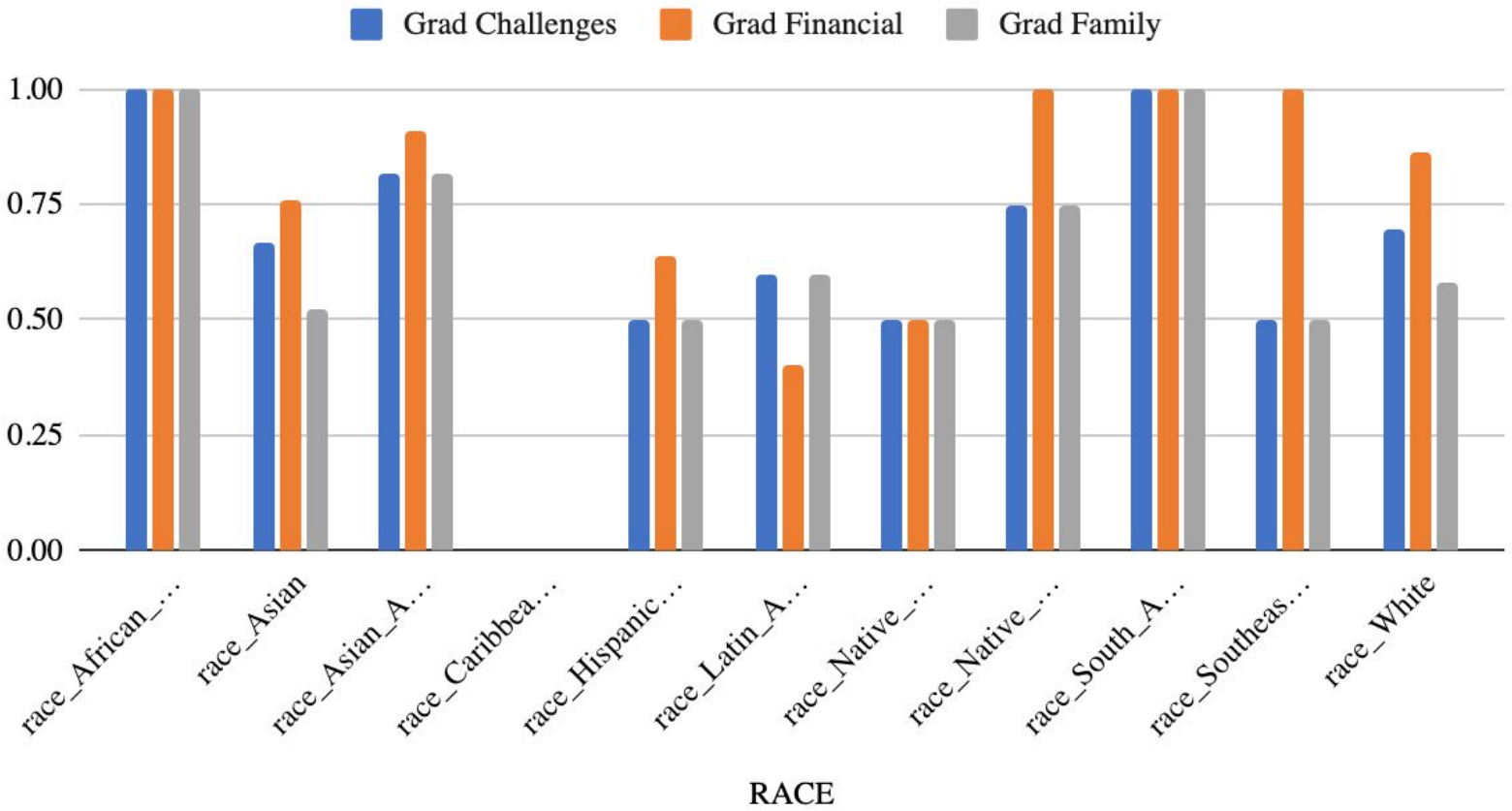
Gradgoals_family:

I feel prepared to build a good life for my family.

Hypothesis 1- differences in graduation goals for each ethnicities (0 = NO, 1 =YES)

RACE	Grad Challenges	Grad Financial	Grad Family
race_African_American_Black	1.00	1.00	1.00
race_Asian	0.67	0.76	0.52
race_Asian_American	0.82	0.91	0.82
race_Caribbean_West_Indian	0.00	0.00	0.00
race_Hispanic_Latinoa	0.50	0.64	0.50
race_Latin_American	0.60	0.40	0.60
race_Native_American_American_Ind	0.50	0.50	0.50
race_Native_Hawaiian_Pacific_Islande	0.75	1.00	0.75
race_South_Asian	1.00	1.00	1.00
race_Southeast_Asian	0.50	1.00	0.50
race_White	0.69	0.86	0.58

Hypothesis 1: Graduate Goals



Anova: Single Factor

SUMMARY

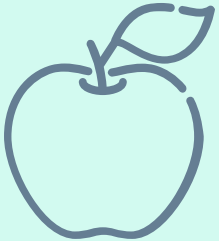
Groups	*Count*	*Sum*	*Average*	*Variance*
Grad Challenges	11	7.02929292	0.63902662	0.07767136
Grad Financial	11	8.06847041	0.73349731	0.10452148
Grad Family	11	6.77532467	0.61593860	0.07833916

ANOVA

Source of Variation	*SS*	*df*	*MS*	*F*	*P-value*	*F crit*
Between Groups	0.08535198	2	0.04267599	0.49140980	0.61660173	3.31582950
Within Groups	2.60532010	30	0.08684400			
Total	2.69067209	32				

Cannot reject null

D. Variables: Worries (1-4)



Worry_college:

How often do you worry - Doing well academically in college.

Worry_bills:

How often do you worry - Paying bills

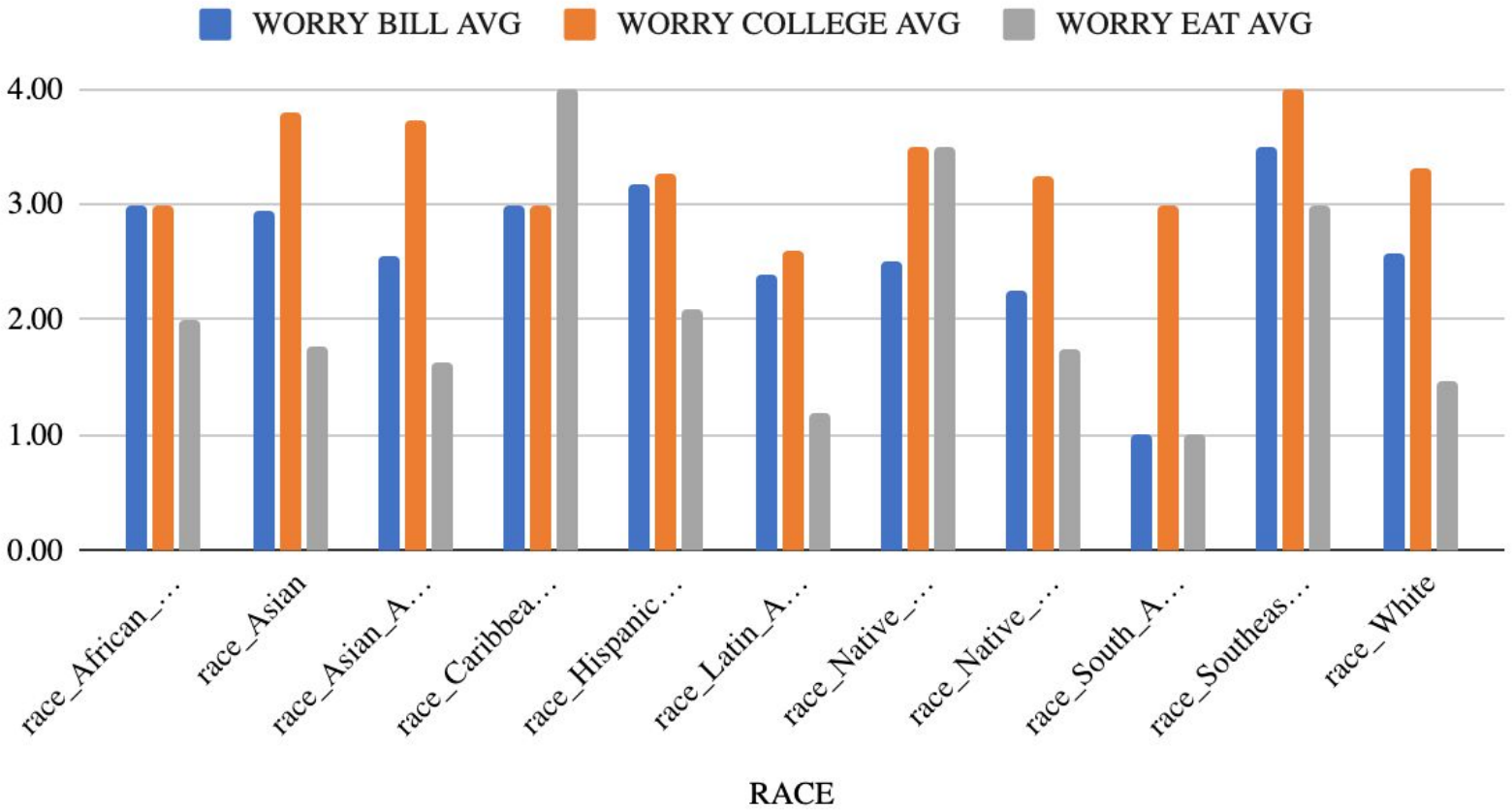
Worry_eat:

How often do you worry - Having enough to eat day-to-day

Hypothesis 2- differences in worries for each ethnicities (1= Not worried 4 =Very Worried)

RACE	WORRY BILL AVG	WORRY COLLEGE AVG	WORRY EAT AVG
race_African_American_Black	3.00	3.00	2.00
race_Asian	2.95	3.81	1.76
race_Asian_American	2.55	3.73	1.64
race_Caribbean_West_Indian	3.00	3.00	4.00
race_Hispanic_Latinoa	3.18	3.27	2.09
race_Latin_American	2.40	2.60	1.20
race_Native_American_America	2.50	3.50	3.50
race_Native_Hawaiian_Pacific_Is	2.25	3.25	1.75
race_South_Asian	1.00	3.00	1.00
race_Southeast_Asian	3.50	4.00	3.00
race_White	2.58	3.31	1.47

Hypothesis 2: Worries by Ethnicities



Anova: Single Factor

SUMMARY

Groups	*Count*	*Sum*	*Average*	*Variance*
WORRY BILL AVG	11	28.9129870	2.62845336	0.43195322
WORRY COLLEGE AV	11	36.4650793	3.31500721	0.17329737
WORRY EAT AVG	11	23.4113997	2.12830906	0.92471392

ANOVA

Source of Variation	*SS*	*df*	*MS*	*F*	*P-value*	*F crit*
Between Groups	7.80909436	2	3.90454718	7.65615240	0.00205862	3.31582950
Within Groups	15.2996452	30	0.50998817			
Total	23.1087395	32				

Reject null

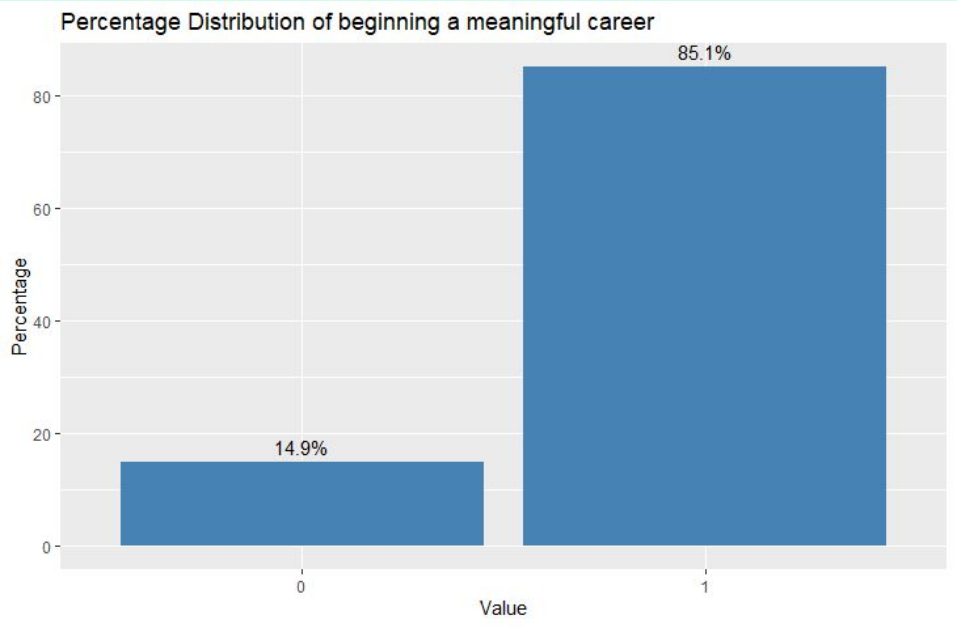
Independent Variables

STEM
Vs.
Non-STEM

Hypothesis 3- Correlation between STEM majors and Graduation Goals

Correlation	gradgoals_challenges	gradgoals_financial	gradgoals_family	STEM_major
gradgoals_challenges	1			
gradgoals_financial	0.280817799	1		
gradgoals_family	0.245237766	0.409223859	1	
STEM_major	0.006549597	0.154718243	0.079820605	1

No significant correlation



Upon Graduating

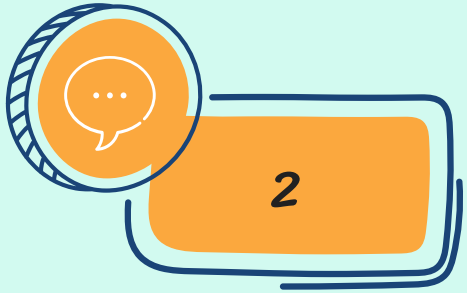
85% of the students feel that by the time they graduate, they must feel prepared to begin a meaningful career

05

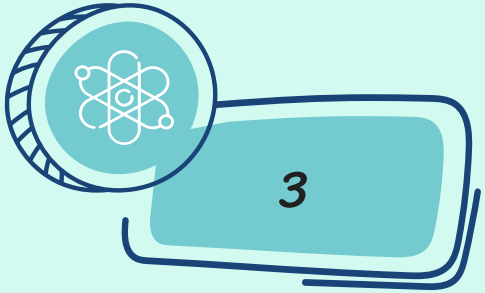
Conclusions

Conclusions

There is no significant difference between ethnicities and graduation goals throughout their college experience



There is a significant difference between ethnicities and their worries throughout their college experience



There is no significant correlation between STEM majors in regards to their graduation goals.

Thank You!

Any Questions?