

University Belonging and Immigrant Attitudes

University of Texas at Dallas
EPPS 6302 Data Methods
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Overview

Research Questions

- ❖ Do students who identify as immigrants feel as though they belong at UTD?
- ❖ Are UTD students who identify as immigrants accepted/welcome by non-immigrant UTD students?

Purpose

- ❖ UTD is known for its diversity, but are those who add to our diversity feel welcome? Do others who do not have the same diverse background welcome them?
- ❖ Social belonging increases academic performance.
- ❖ Immigrant populations will continue to grow. It is better to get ahead of an issue.
- ❖ If social-belonging is low, a Social-Belonging Intervention could be implemented.

Methodology

Collection Method

- ❖ Qualtrics Survey
- ❖ N = 142

Limitations:

- Some surveys were not 100% completed (partial data was used)
- Survey did not undergo extensive proofreading; therefore mistakes could have been overlooked

Cleaning the Data:

- Downloaded the data into Excel to clean and name the variables before saving as a CSV for use in RStudio

Institutional Review Board (IRB)

- ❖ Filled out an application that included questions about the purpose of the survey
- ❖ Needed all questions that would be on the survey
- ❖ Recruitment Script
- ❖ Consent Form Script
- ❖ Short process- two days to fill out and approximately a week to be approved

Survey Design

- ❖ Block 1- Demographics
- ❖ Block 2- Sense of Belonging (Affiliation, Acceptance, Staff Relations)
- ❖ Block 3- Break to thank the participants and push them to keep going!
- ❖ Block 4- Immigrant Student Perspective (Background, Experiences, Attitudes)
- ❖ Block 5- Attitudes Towards Immigrants by Non-immigrant Students (In-group Identification, Narcissism, Threat & Benefits, Attitudes)

All questions asked were taken from various studies (with Block 1 being an exception)

Data Analysis

Descriptive Statistics: Summary of Variables

Summary Statistics						
Statistic	N	Mean	St. Dev.	Min.	Max.	
Class	142	2.6	1.0	0	4	
Freshman GPA	138	2.5	0.7	0	3	
Current GPA	142	2.6	0.6	0	3	
Gender	142	0.8	0.5	0	2	
Age	142	2.2	0.8	0	6	
School of Study	142	4.1	2.6	0	8	
Distance from Home	142	0.6	1.1	0	4	
Immigrant	142	0.6	0.5	0	1	
International	82	0.1	0.3	0	1	
Affiliation	142	19.9	7.3	0	34	
Acceptance	142	18.2	4.3	7	24	
Relations	142	8.5	2.9	0	12	
Ingroup ID	56	5.1	3.0	5	12	
Narcissism	56	11.1	2.8	5	15	
Anti-Immigrant	56	16.2	5.3	6	26	
Sentiment						
Threat	56	16.3	2.5	6	18	
Benefit	56	21.4	2.0	16	24	
To-What-Degree	56	12.2	2.0	7	15	
To-What-Degree (Imm.)	55	4.1	3.8	0	15	
Negative Experience	80	0.5	1.0	0	4	
Belonging	142	48.5	13.1	11	71	

Inferential Statistics: Regression Table

Regression Table

	Dependent Variable
	Belonging
Classification	-0.6 (1.7)
Gender	0.2 (3.6)
Age	4.8*** (2.3)
School of Study	0.2 (0.6)
Distance from Home	-0.6 (1.3)
International Student	-17.5*** (6.3)
Immigrant	
Negative Experience	-1.3 (1.4)
Feelings Towards Immigrant Treatment	-0.6 (0.4)
Constant	43.3*** (6.9)
Observations	80
R2	0.2
Adjusted R2	0.1
Residual Standard Error	12.2 (df = 71)
F-Statistic	2.1** (df = 8; 71)

Note:

*p<0.1; **p<0.05; ***p<0.01

Inferential Statistics: Correlation Table

Correlation Table

	class	gen	age	school	distanc	int	imm	negex	itwd	belonging
				e						
class		0.06	0.59***	-0.32***	0.06	0.41***	-0.08	0.10	-0.17	-0.07
gen	0.06		0.02	-0.02	-0.02	-0.10	0.12	0.01	-0.34***	0.07
age	0.59***	0.02		-0.32***	0.03	0.38***	-0.01	-0.01	-0.07	-0.11
school	-0.32***	-0.02	-0.32***		-0.07	-0.17	0.06	0.13	0.17	0.03
distance	0.06	-0.02	0.03	-0.07		0.34***	-0.04	0.06	0.00	-0.06
int	0.41***	-0.10	0.38***	-0.17	0.34***		NaN	-0.14	-0.04	-0.33***
imm	-0.08	0.12	-0.01	0.06	-0.04	NaN		NaN	NaN	0.01
negex	0.10	0.01	-0.01	0.13	0.06	0.14	NaN		-0.20*	-0.14
itwd	-0.17	-0.34***	-0.07	0.17	0.00	-0.04	NaN	-0.20		-0.14
belonging	-0.07	0.07	-0.11	0.03	-0.06	-0.33***	0.01	-0.14*	-0.14	

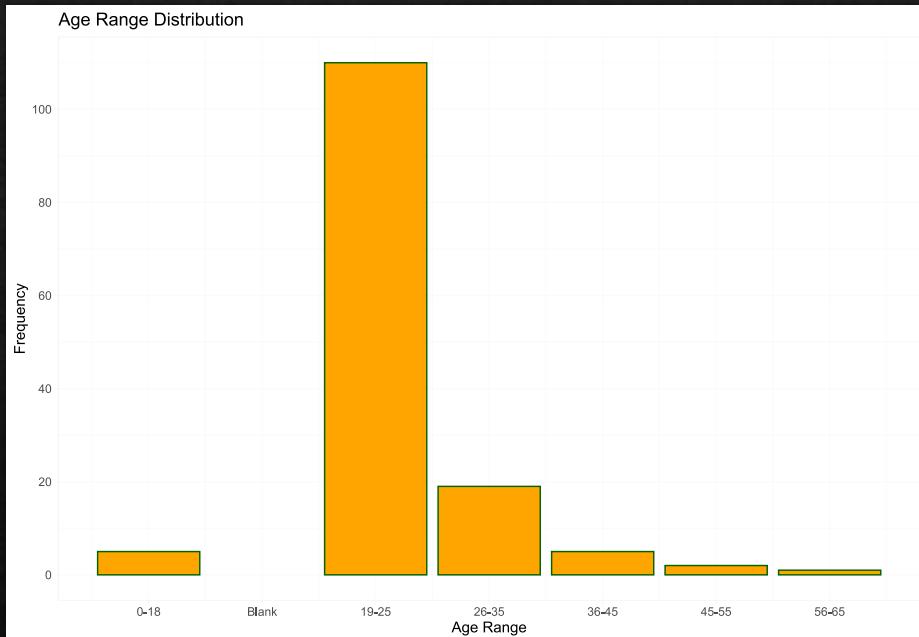
Note:

*p<0.1; **p<0.05; ***p<0.01

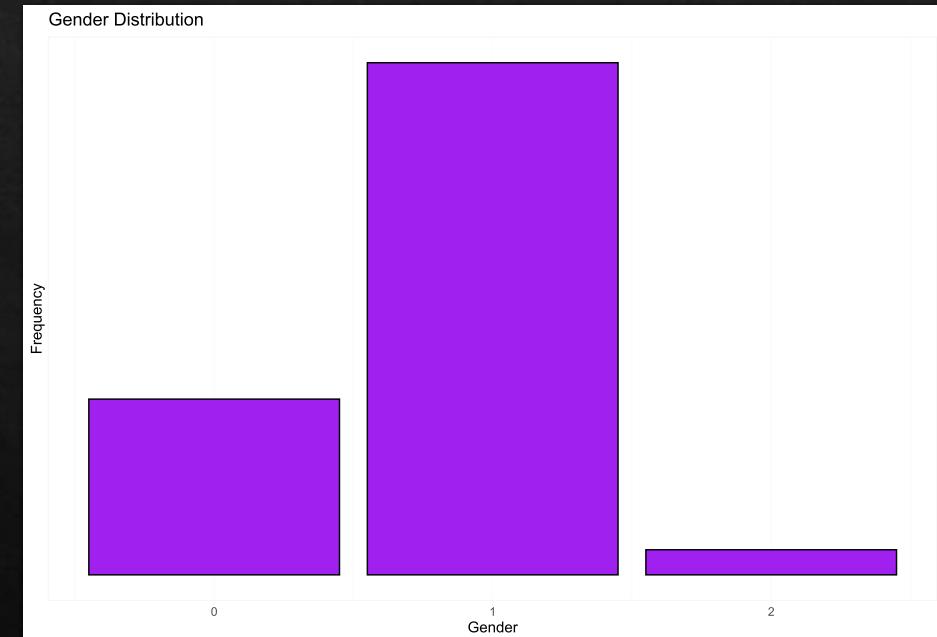
Data Visualization

Demographics

Age

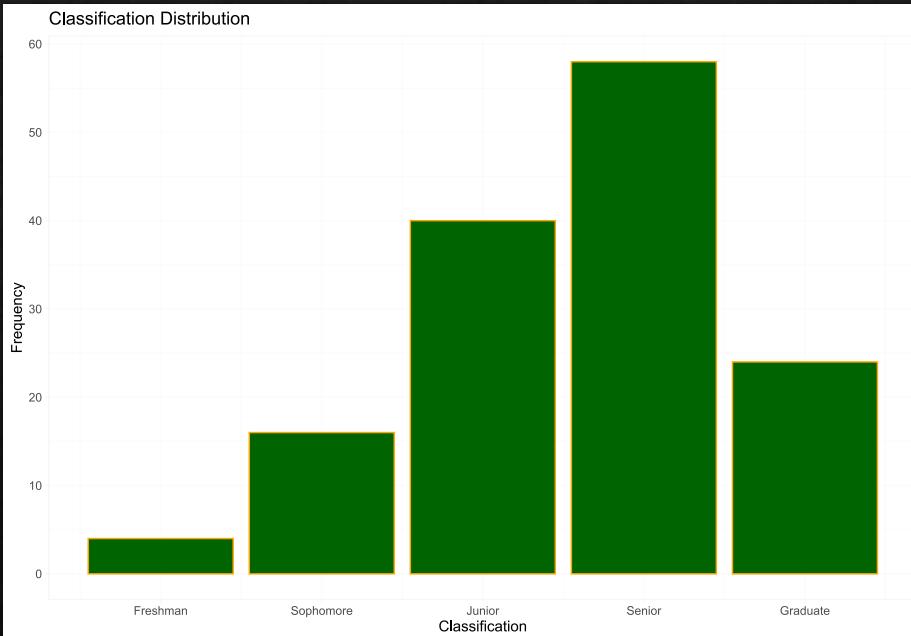


Gender

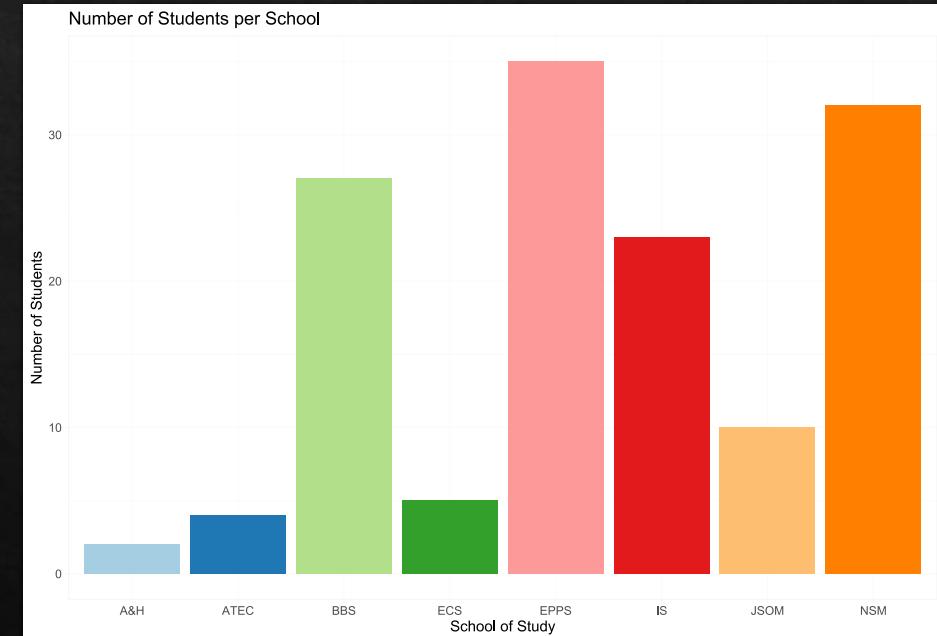


Demographics

Classification

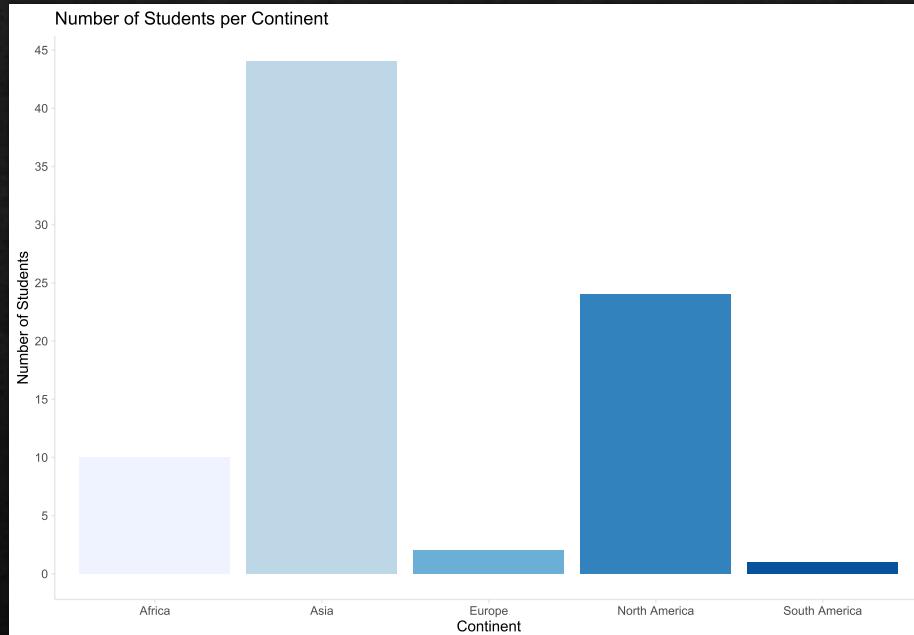


School of Study

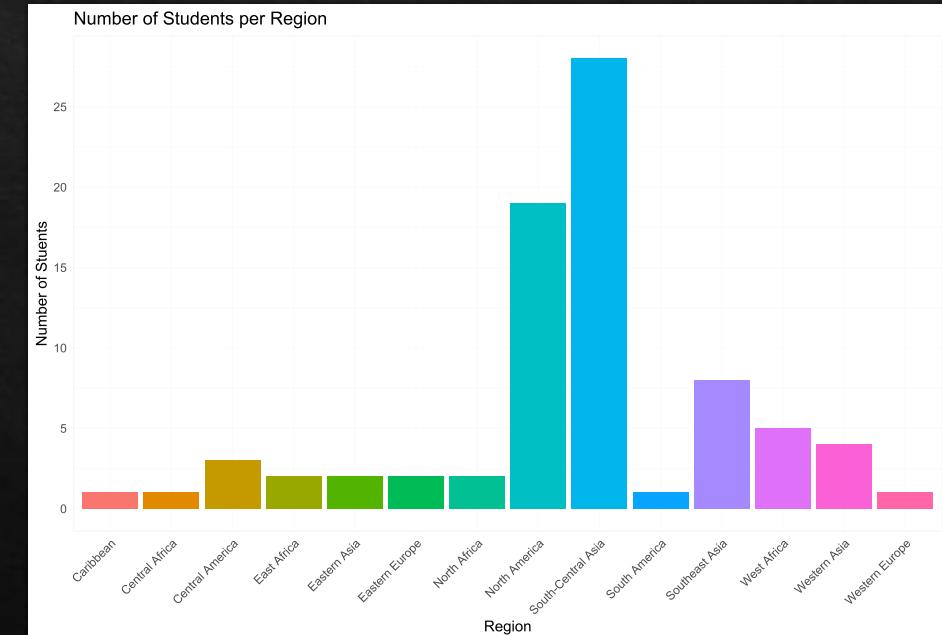


Demographics

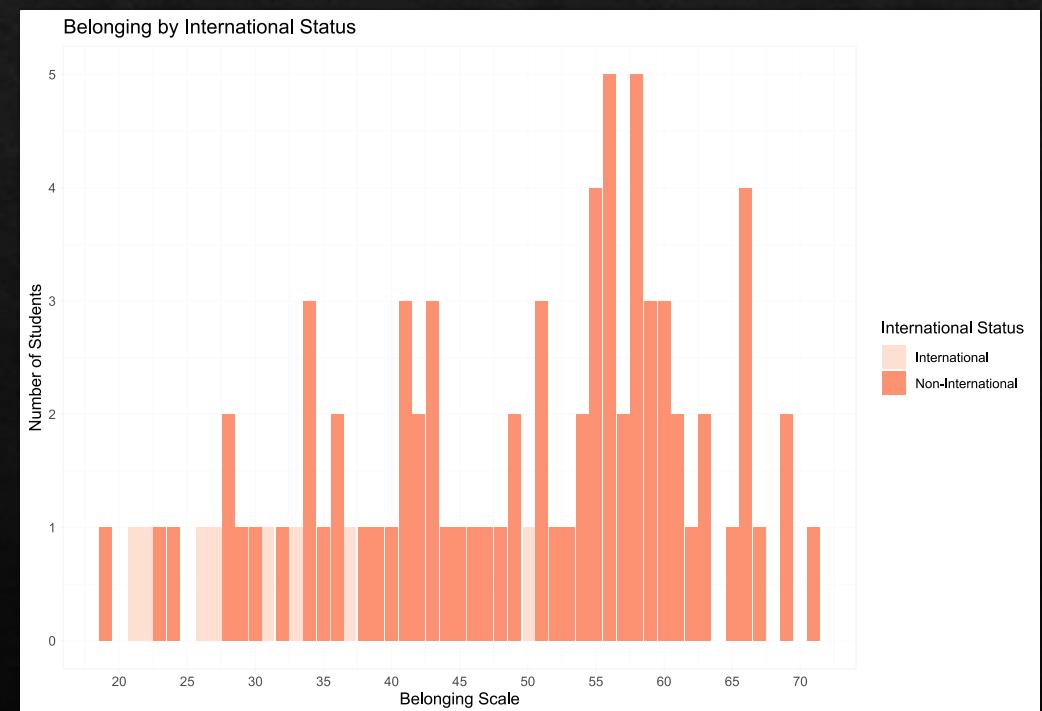
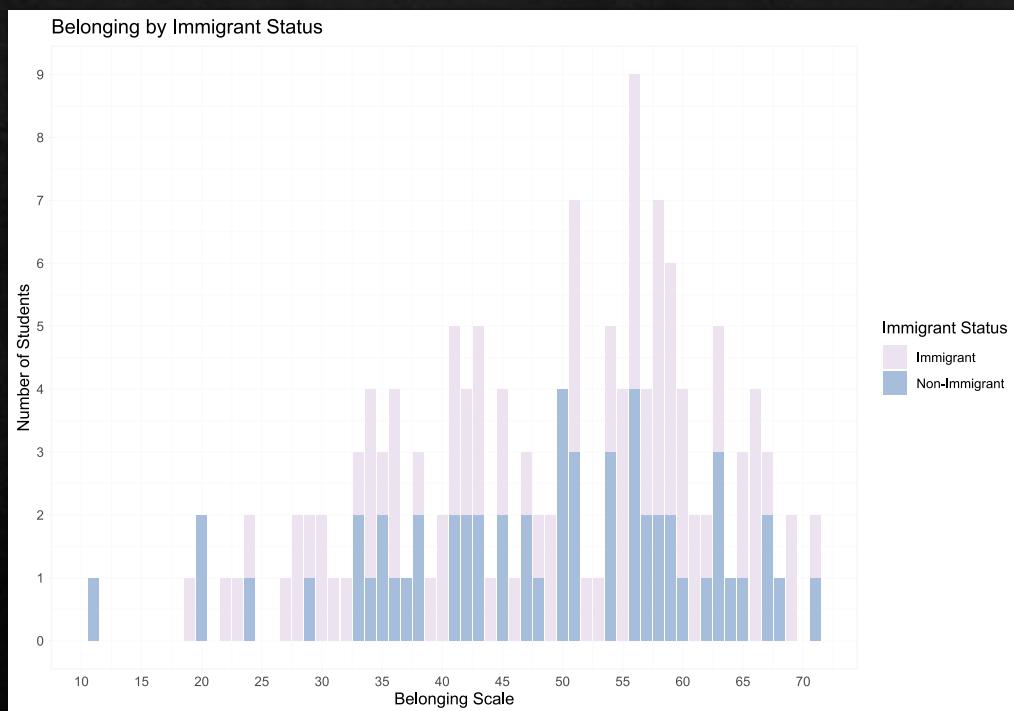
Continent



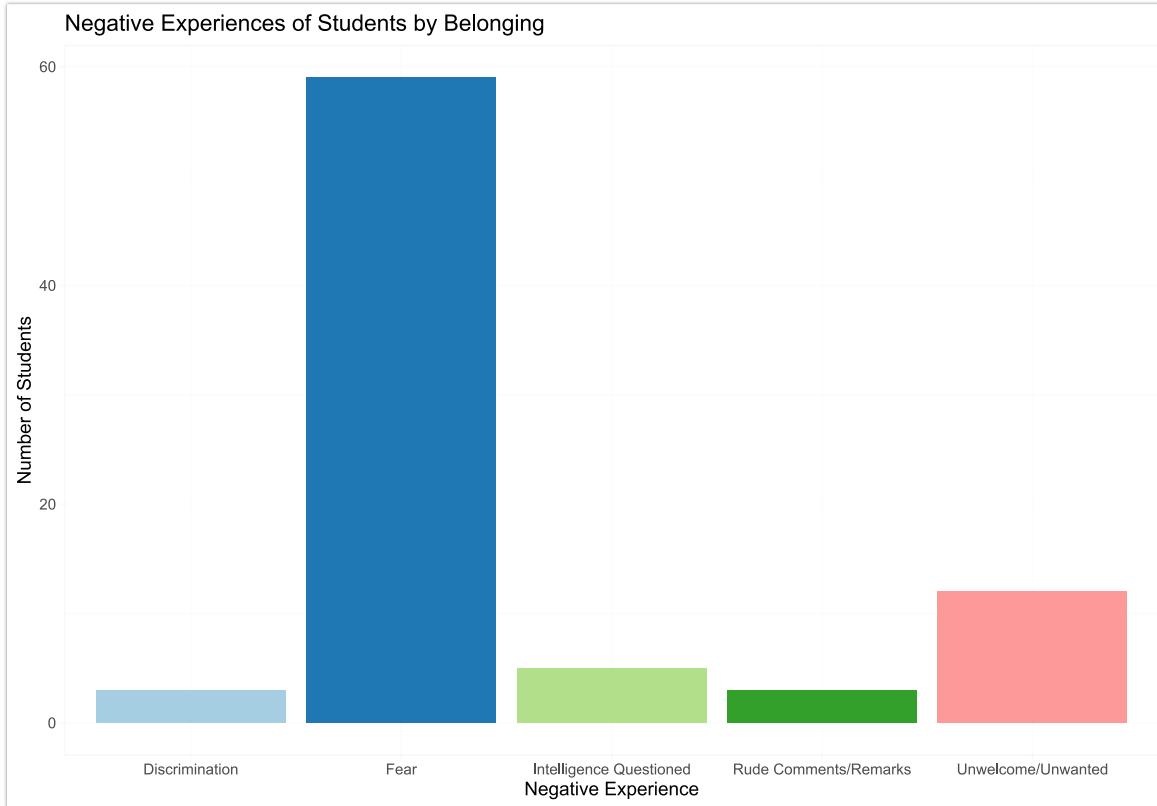
Region



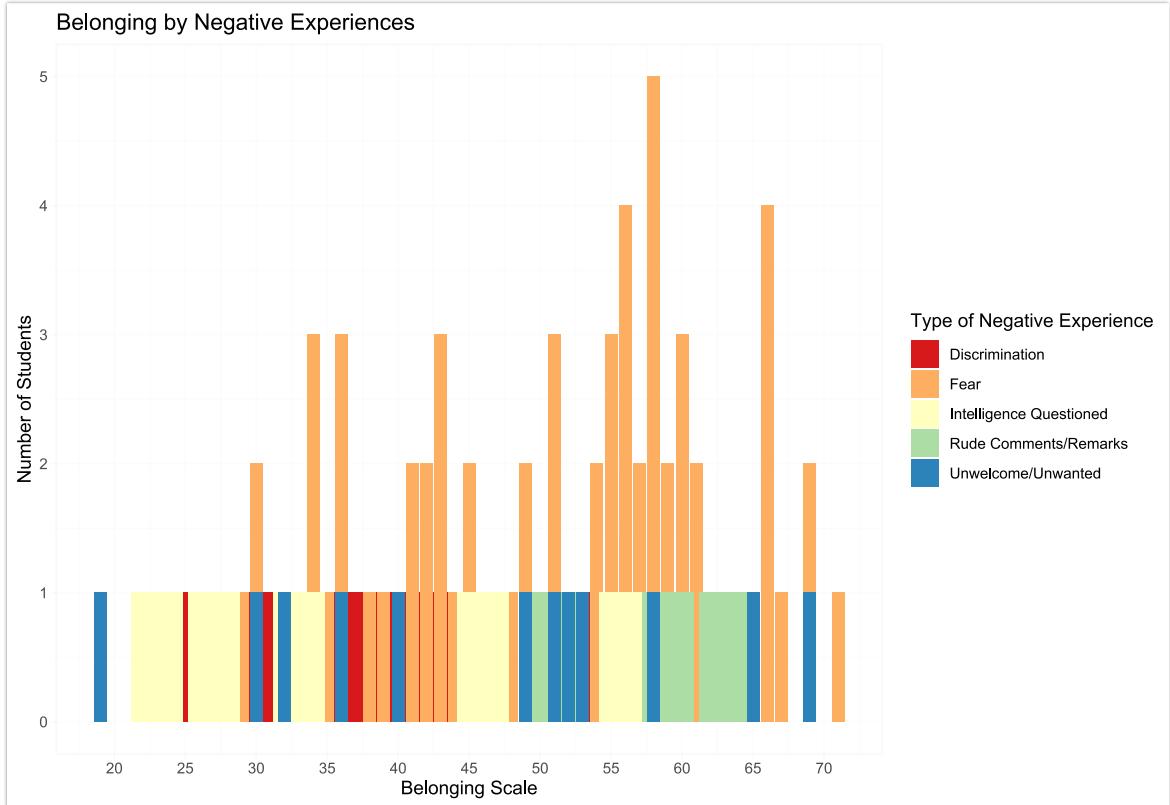
Belonging



Negative Experiences for Immigrant Students

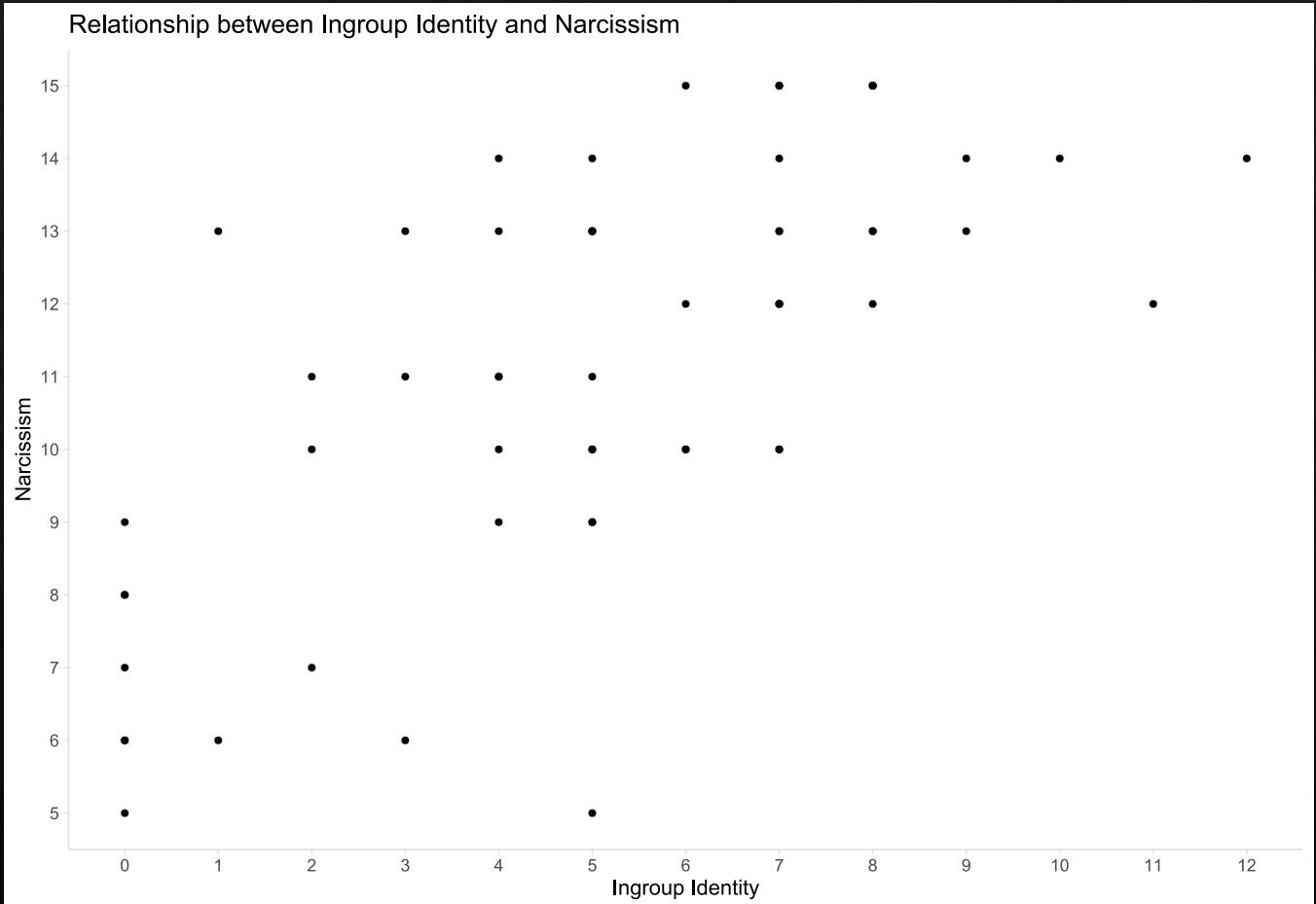


Belonging by Negative Experiences



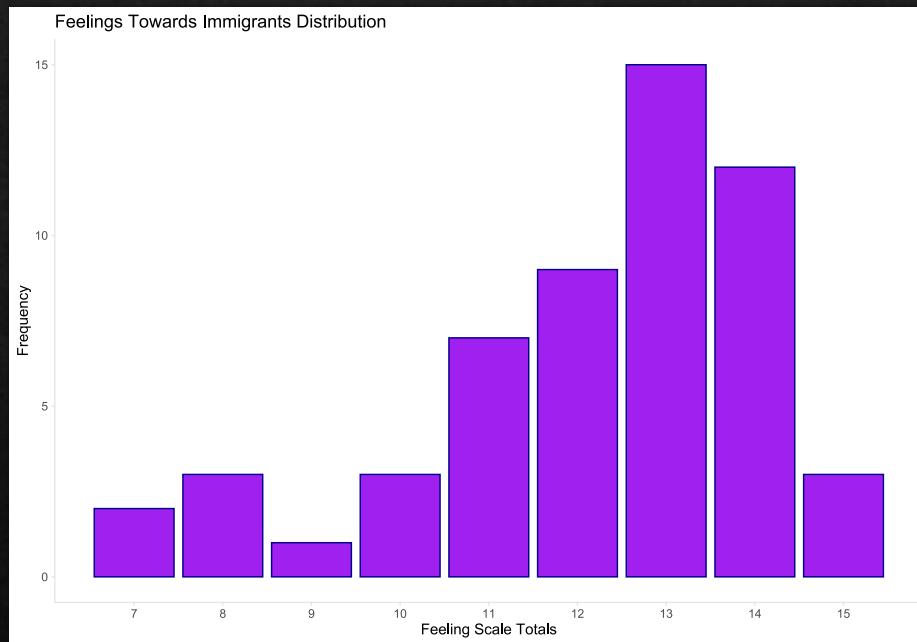
Anti-Immigrant Sentiment

When there is a positive relationship between in-group identity and narcissism scales, there is indication of anti-immigrant sentiment. This graph shows a positive relationship between in-group identity and narcissism; however a higher value of in-group identity and narcissism should be interpreted as having a positive association with immigrants.

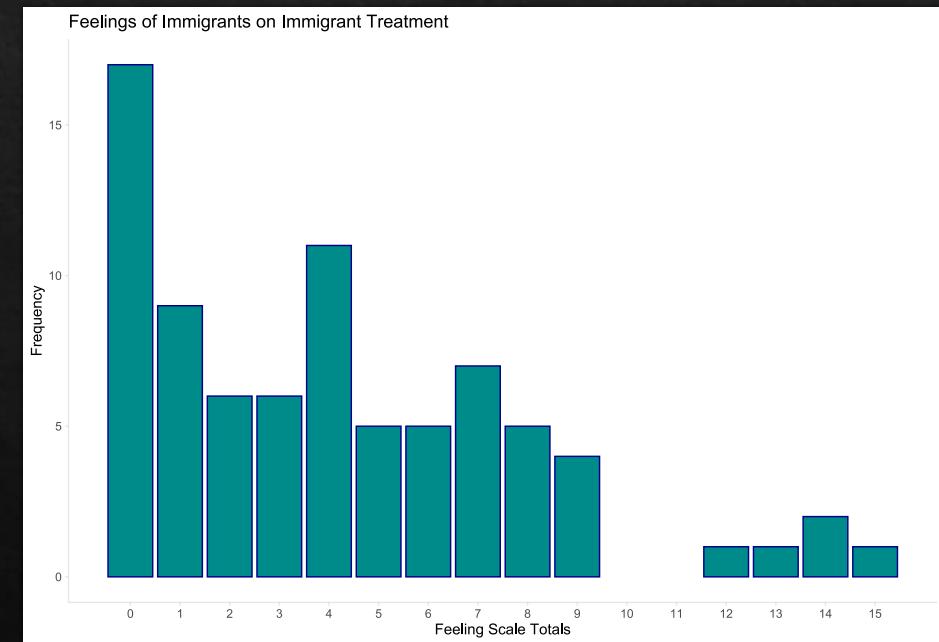


Feelings Towards Immigrants

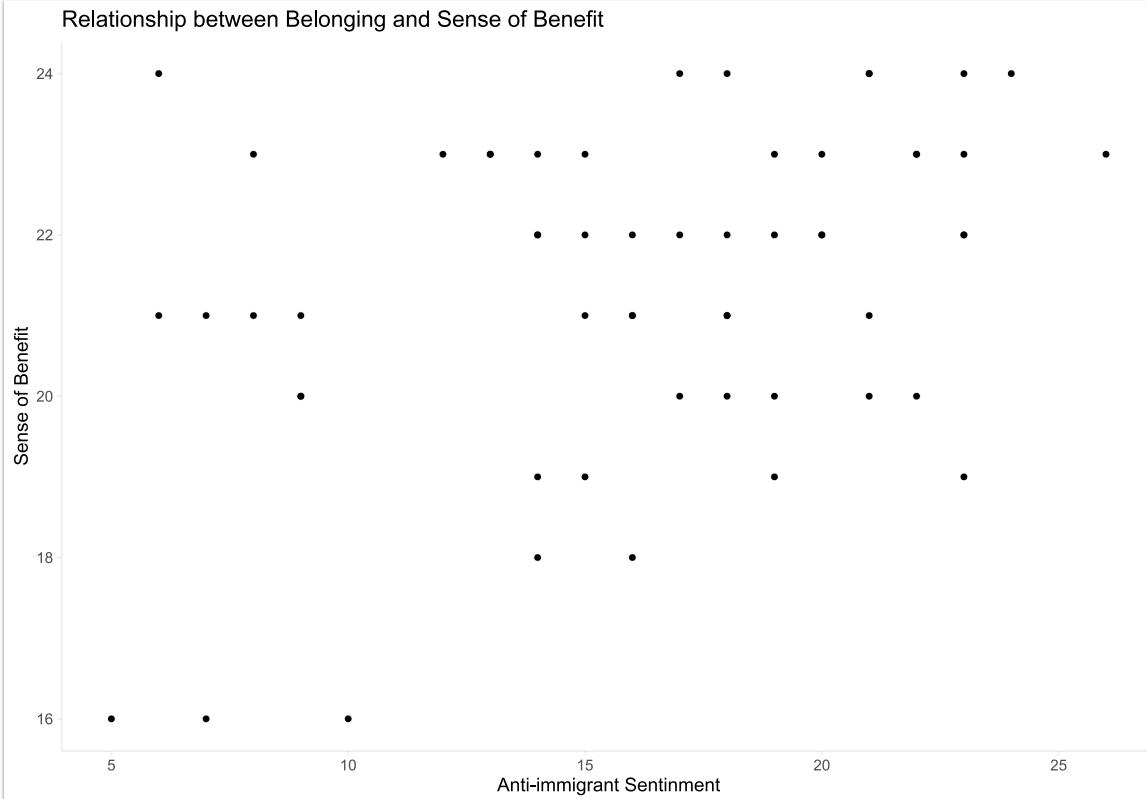
Non-Immigrant Students



Immigrant Students



Benefit of Immigrants



Conclusion

Results

- ❖ Students who identify as immigrants show a high sense of belonging, however, they also have had many negative experiences on-campus.
- ❖ Students who did not identify as immigrants did NOT show a positive relationship between in-group identity and narcissism, which is an indication of anti-immigrant sentiment.

THANK YOU!

Any questions?

GitHub Link

Graphs and code will be available on
my GitHub website:

<https://valeriasalinaslopez.github.io/>