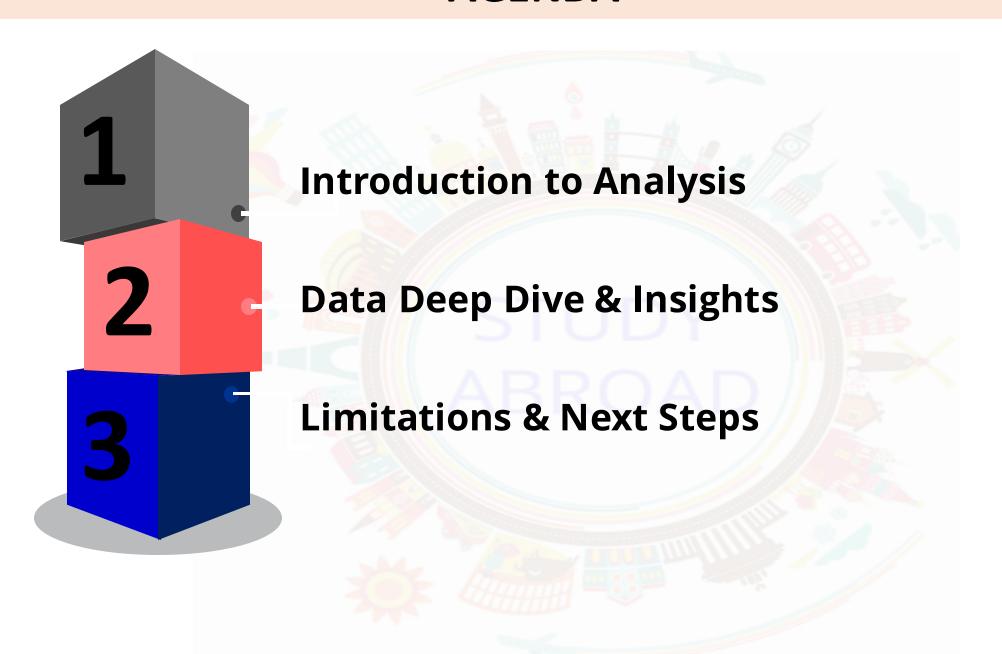
# IMPACT OF STUDY ABROAD ON PARTICIPATING STUDENTS' GPA, HOURS EARNED, BUDGET & LOAN.



#### **AGENDA**



#### STUDY ABROAD & STUDENTS

Study abroad provides an opportunity for college students to study in a foreign country. Students attend lectures or carry out research at a foreign university or through their home university's study-abroad program.

#### **Benefits of Study Abroad:**

- > Participants experience new places and cultures
- > Participants make friends from around the world
- Allows participants to develop highly-valued skills such as intercultural communication, foreign languages, adaptability, and problem-solving.
- > Participants gain a global perspective—while earning credits towards their degree

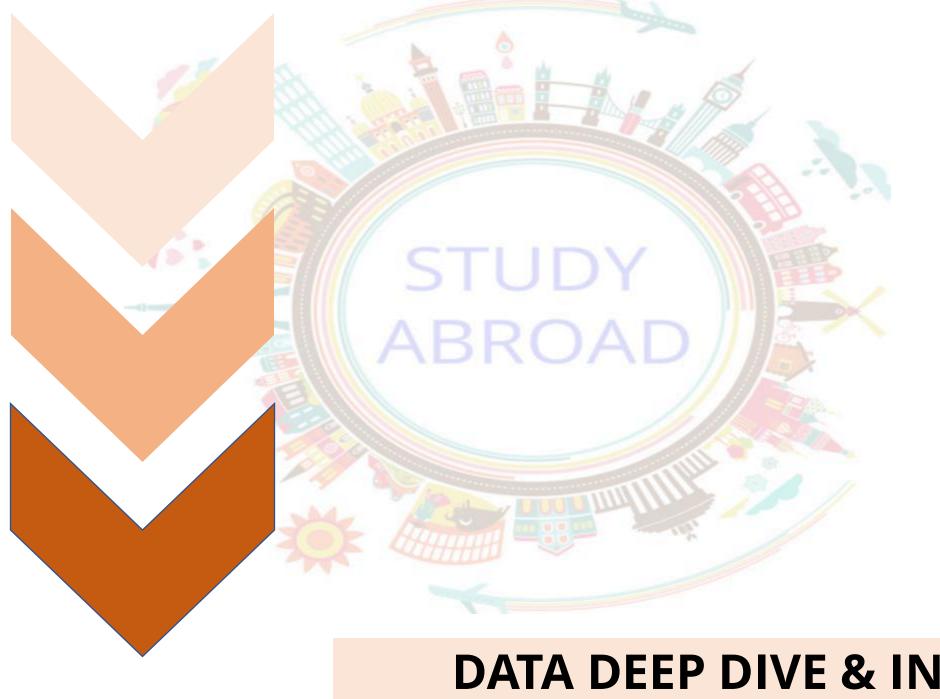
A paper published by the US Department of Education, lists Study Abroad as one of the High Impact Educational Practice. <a href="https://files.eric.ed.gov/fulltext/EJ1062114.pdf">https://files.eric.ed.gov/fulltext/EJ1062114.pdf</a>

#### **STUDY ABROAD & UNCG**

The Study Abroad program in UNCG is coordinated by the International Program Center (IPC) of the University. This International Program Center is being led by Dr. Maria Anastasiou.

#### The UNCG study abroad office helps participants:

- Explore programs that fit into their majors
- > Identify partnering universities that offer the programs that participants are interested in.
- > Resources for funding study abroad program
- > Safety & Well being of participants while studying abroad
- > Ensuring that participants earned credit counts towards their degree.



**DATA DEEP DIVE & INSIGHTS** 

#### **ABOUT THE DATASET**

➤ Original Dataset contained 2869 observations and 37 features/ Data labels.

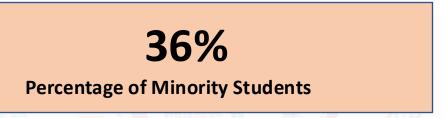
#### **Important Features:**

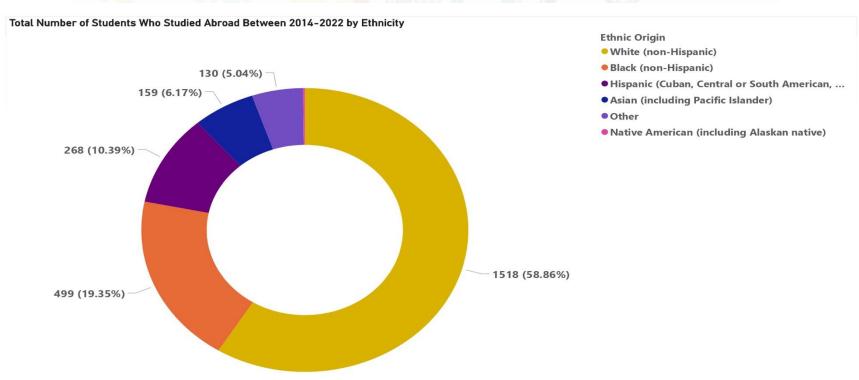
- UNCG ID Number
- Academic Year
- Program Type
- Cumulative GPA
- > GPA
- > Graduation
- Program Currently Assigned Country
- > Pell Eligibility
- College
- First Major
- > Ethnic Origin

#### **DATA CLEANING & PRE-PROCESSING**

- > Checked for Missing Values
- Removed Rows with Null Values in Numeric columns
- Removed Inconsistent Data points
- Added Derived Columns/ Data Labels
- Merged Dataset
- Descriptive Statistics

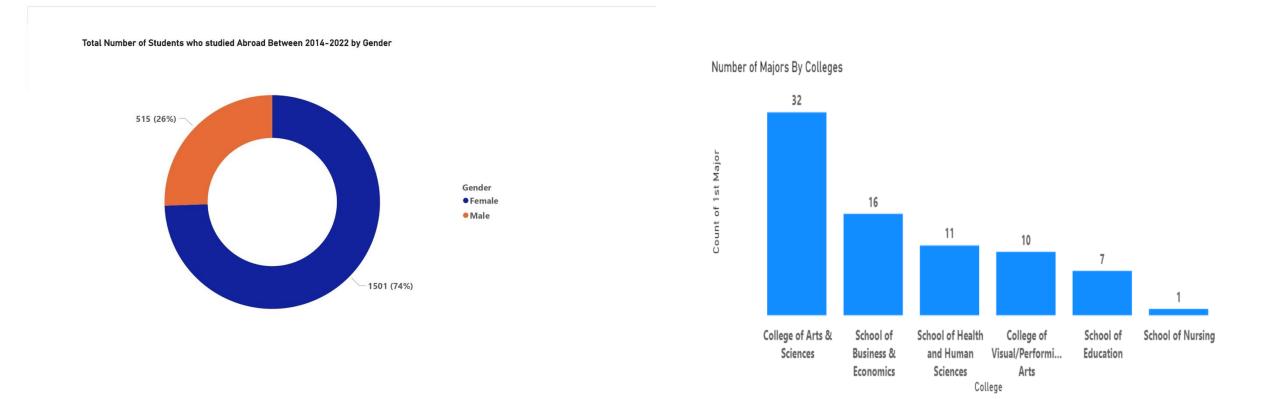
#### **DEMOGRAPHICS OF PARTICIPANTS**





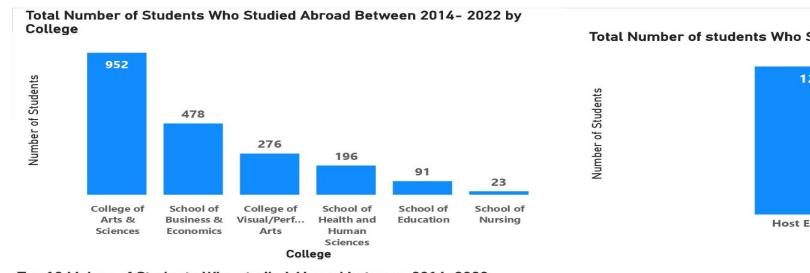
The Average EFC(Estimated Family Contribution) for White participants is 14,000 which is higher than that of other ethnicity represented in the data.

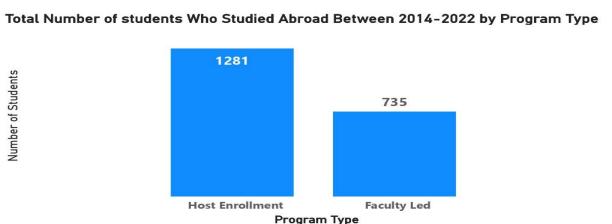
#### **DEMOGRAPHICS OF PARTICIPANTS**



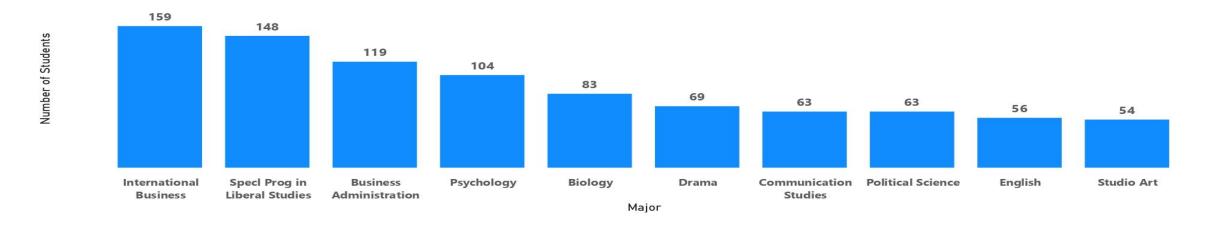
> On Average the Female participants graduate with 0.15 GPA points higher than Male participants

## PARTICIPANTS BY COLLEGE, MAJOR & PROGRAM TYPE





Top 10 Majors of Students Who studied Abroad between 2014-2022



## PARTICIPANTS BY COLLEGE, MAJOR & PROGRAM TYPE

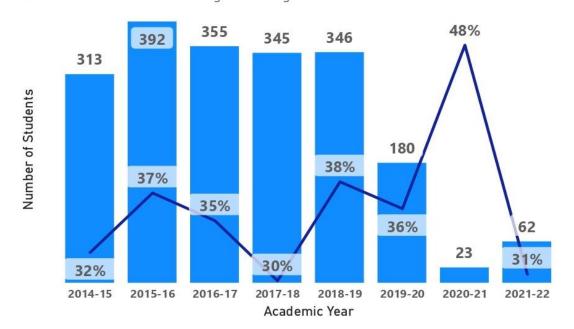
35%
Percentage of PELL Eligible Students

2020-21 Academic Year

**Highest Number of Minority Participants** 

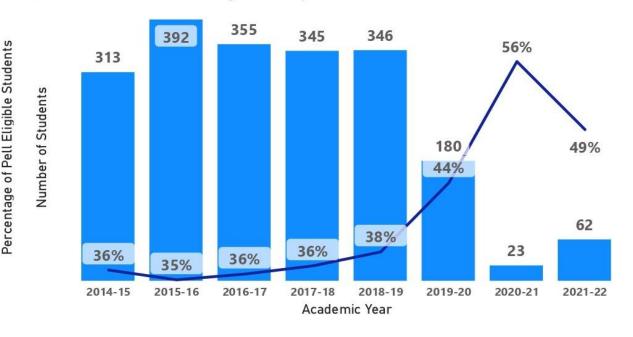
Number of Students Who studied Abroad Between 2014-2022 & Percentage of Pell Eligible Students

Number of Students
 Percentage of Pell Eligible Students



Number of Students Who Studied Abroad Between 2014-2022 & Percentage of Minority Students

Number of Students
 Percentage of Minority Students



> Of the 23 students that studied Abroad in 2020-21 Academic Year, 13 were from Minority Ethnicity.

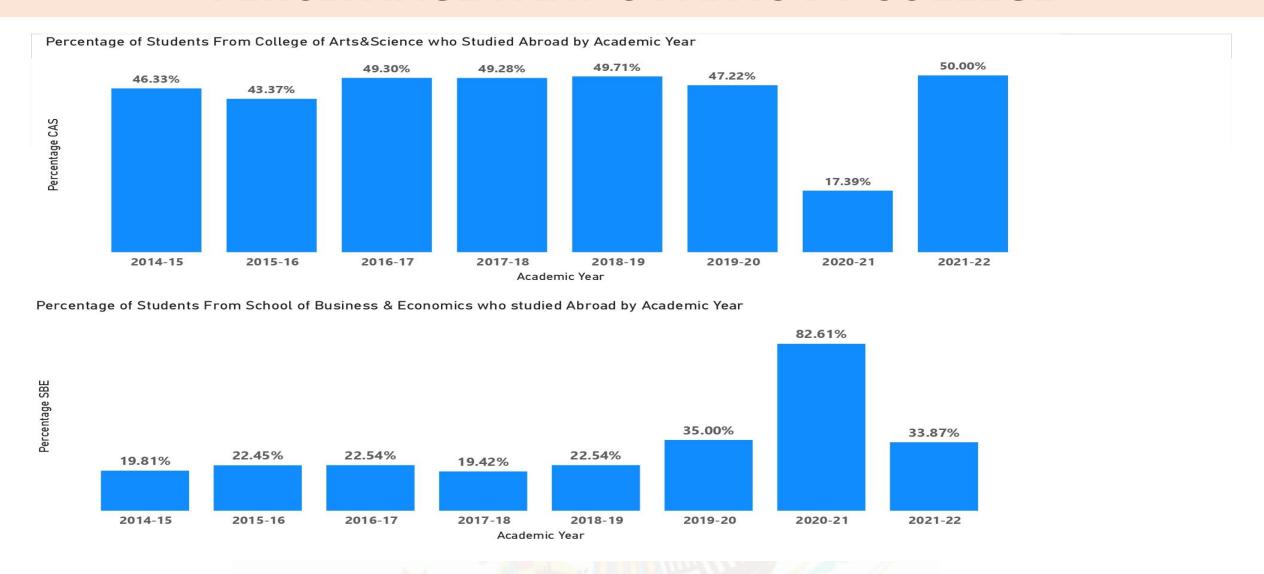
Percentage of Minority Students

#### **TOP 10 STUDY ABROAD DESTINATIONS**



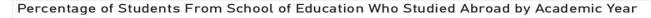
Count of Students
290
259
225
110
102
98
84
84
69
61
61
1443

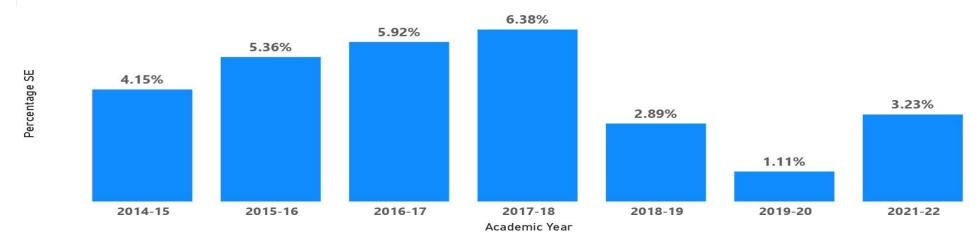
#### PERCENTAGE PARTICIPANTS BY COLLEGE



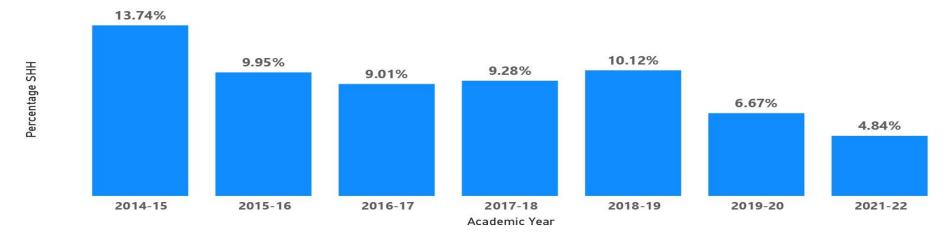
More Students from the College of Arts & Science engage in Host Enrollments Programs than Faculty Led programs. While School of Business & Economics more Faculty Led enrollments

#### PERCENTAGE PARTICIPANTS BY COLLEGE

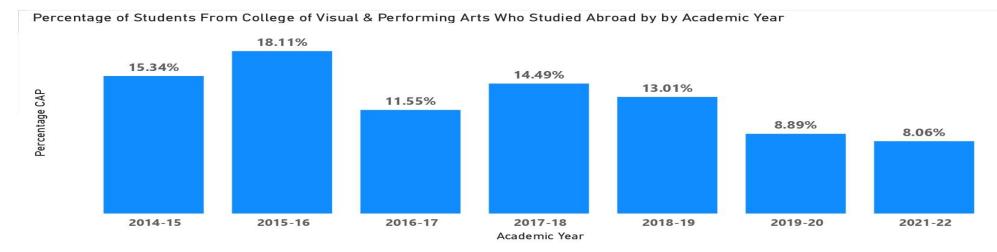




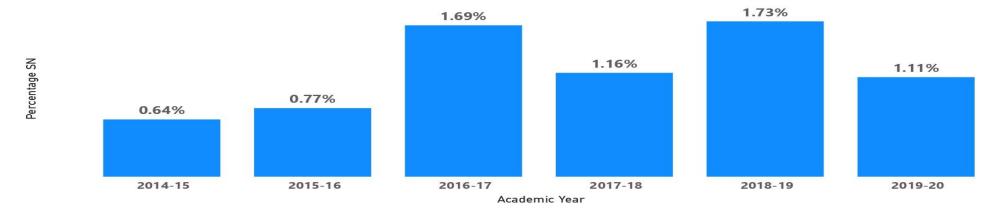
Percentage of School of Health and Humanities who studied Abroad by Academic Year



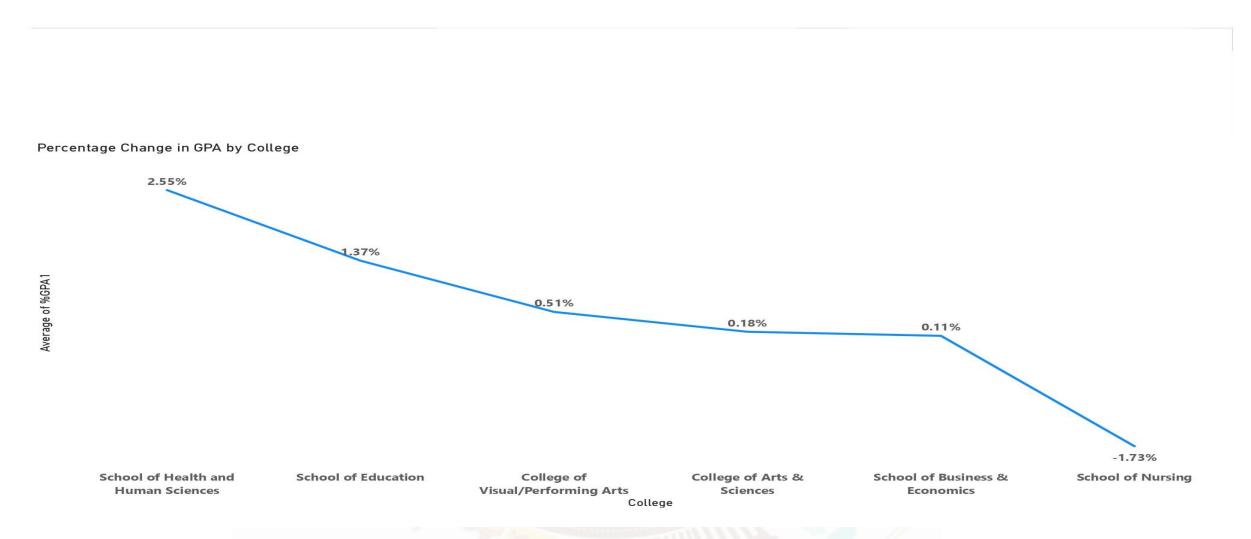
#### PERCENTAGE PARTICIPANTS BY COLLEGE



Percentage of Students From School of Nursing Who Studied Abroad by Academic Year

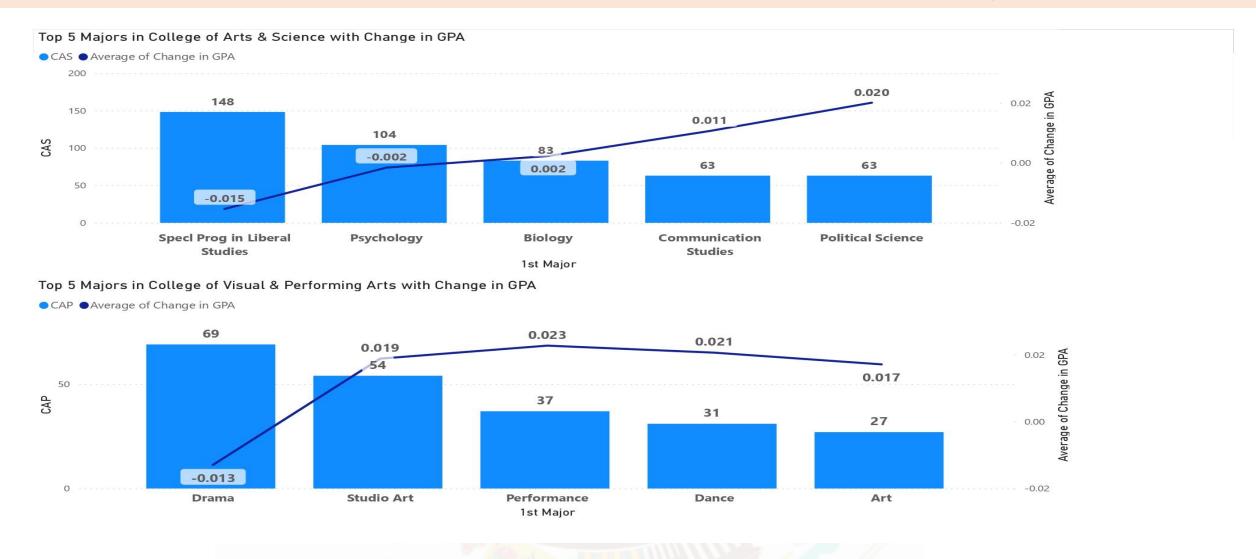


#### PERCENTAGE CHANGE IN GPA BY COLLEGE



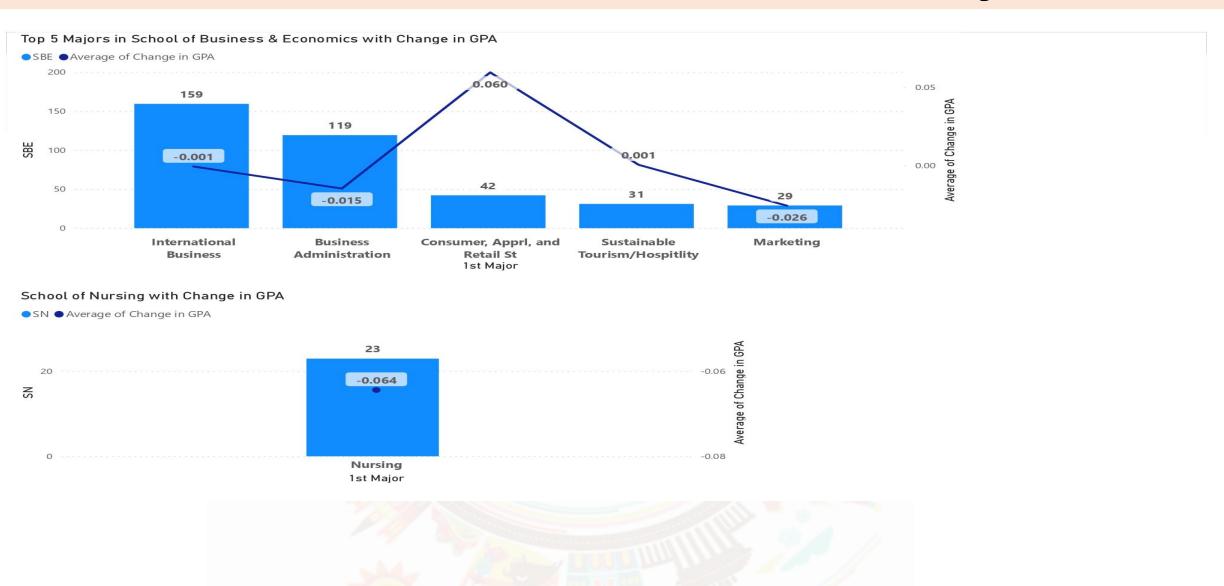
At 2.55%, School of Health and Human Sciences had the highest Average of %GPA1 and was 247.41% higher than School of Nursing, which had the lowest Average of %GPA1 at -1.73%. Across all 6 College, Average of %GPA1 ranged from -1.73% to 2.55%.

# **AVERAGE CHANGE IN GPA FOR TOP 5 MAJORS**

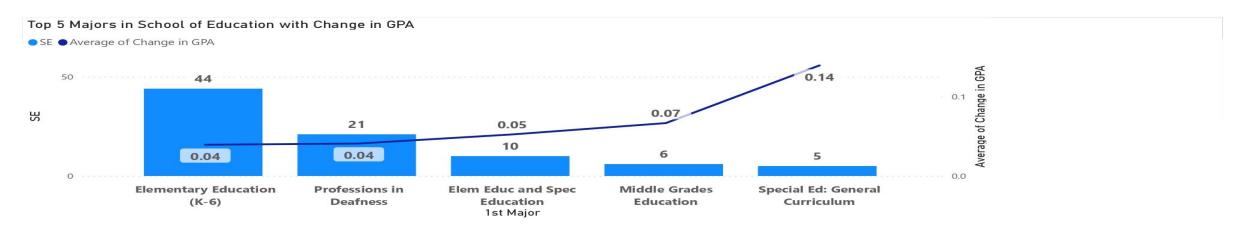


The Average Change in GPA shows the mean of the Difference between GPA when applying for Study Abroad and GPA at graduation across the Top 5 Majors for each College.

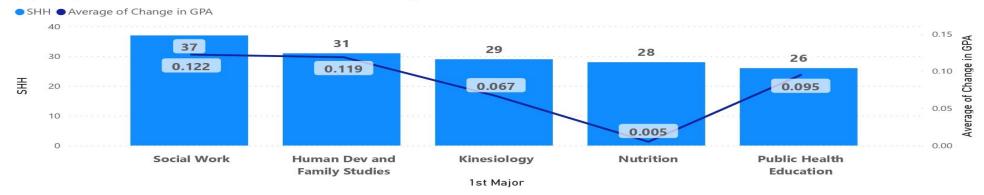
# **AVERAGE CHANGE IN GPA FOR TOP 5 MAJORS**



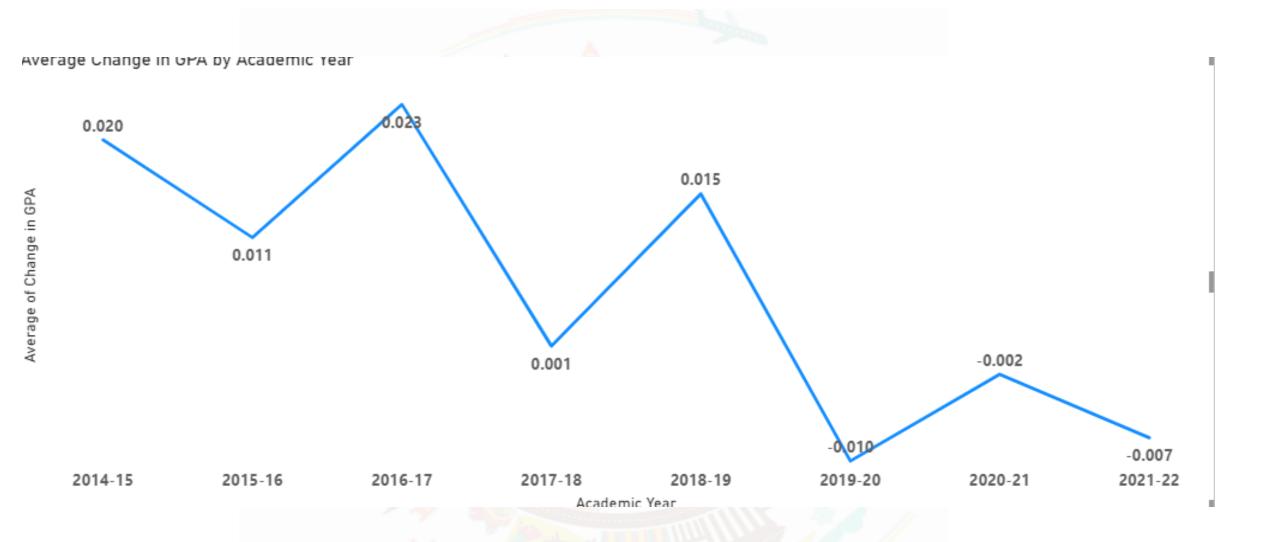
# **AVERAGE CHANGE IN GPA FOR TOP 5 MAJORS**







#### **AVERAGE CHANGE IN GPA BY ACADEMIC YEAR**



The Average Change in GPA shows the mean difference between GPA when applying for Study Abroad and GPA at graduation across the academic years in the dataset.

#### HOURS ATTEMPTED VS HOURS EARNED

145

**Average Hours Attempted** 

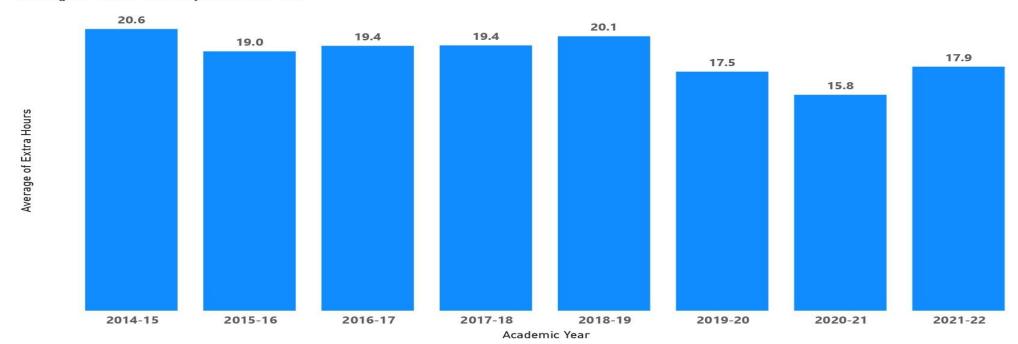
139

**Average Hours Earned** 

19

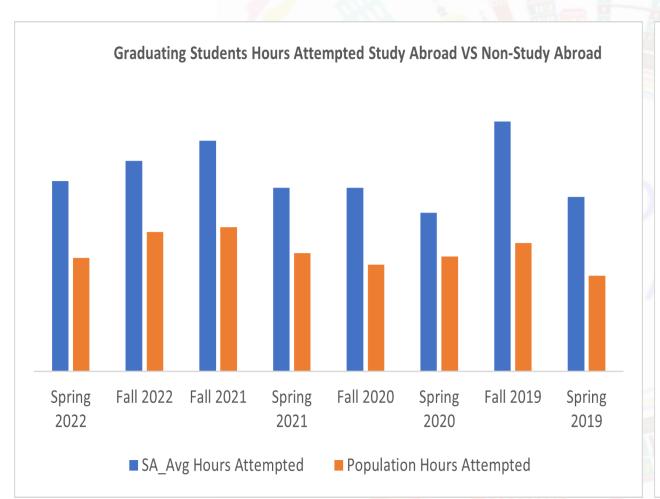
**Average Hours Above Requirement** 



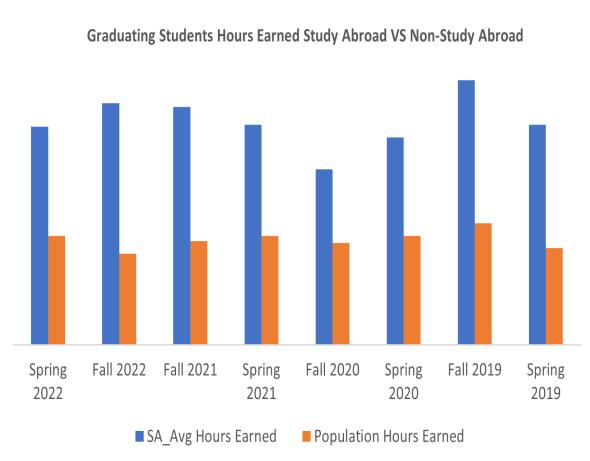


#### **IMPACT?**

**7**Average Hours Attempted above Non- Participants



# **6**Average Hours Earned above Non- Participants

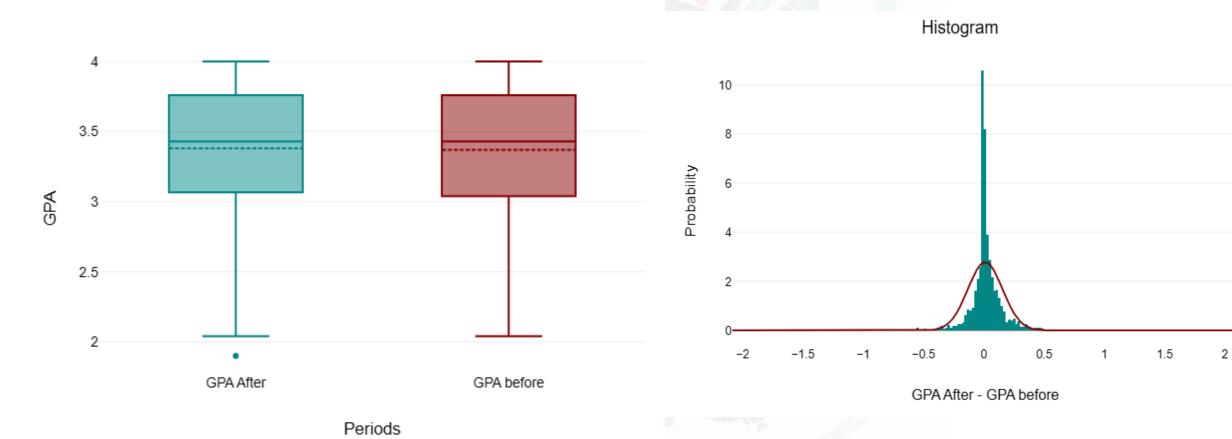


#### **IMPACT?**

3.37
Average GPA before Study Abroad

3.38
Average GPA at Graduation

**0.01** Average change in GPA



#### **IMPACT?**

#### t-Test for paired samples

- ➤ Null Hypothesis: There is no difference between GPA After and GPA before.
- i.e H0 = GPA After GPA Before = 0
- > Alternative Hypothesis: There is a difference between GPA After and GPA before.

The GPA After group had higher values (M = 3.38, SD = 0.45) than the GPA before group (M = 3.37, SD = 0.46).

A t-test for dependent samples showed that this difference was statistically significant, t(2015) = 3.43, p = .001, 95% Confidence interval [0, 0.02].

This results in a p-value of .001, which is below the specified significance level of 0.05. The t-test result is therefore significant for the present data and the null hypothesis is rejected. Therefore, it is assumed that both samples are from different populations.

#### **NEXT STEP**

