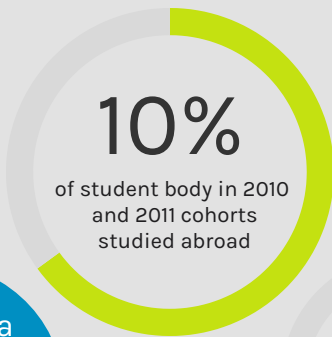


Study Abroad at the University System of Georgia
Descriptive Statistics: What are the basics?

UNIVERSITY SYSTEM OF GEORGIA



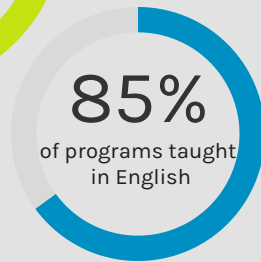
5

TOP VISITED COUNTRIES



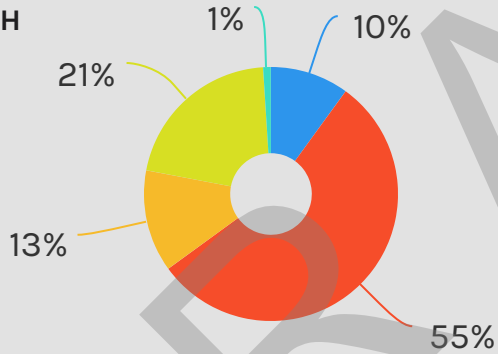
France = 1,075 students
UK = 801 students
Italy = 704 students
Spain = 631 students
Costa Rica = 375 students

7,106 out of a total of 69,251 students studied abroad

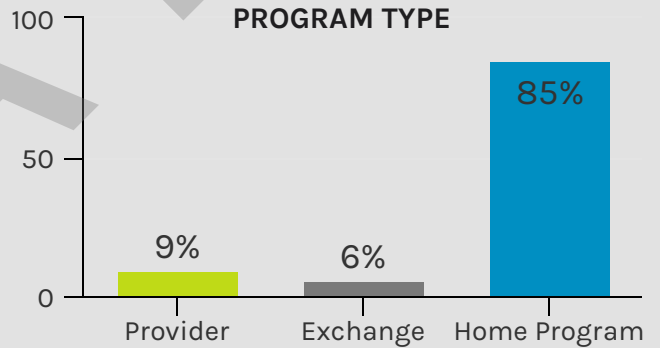


PROGRAM LENGTH






- < 2 weeks
- 2 to 8 weeks
- 8 to 1 semester
- 1 semester
- > 1 semester



PROGRAM TYPE








STUDY ABROAD

-  High School GPA = 3.63
-  SAT Score = 1213
-  % Received Need-Based Aid = 28%
-  % Female = 65%
-  % Underrepresented minority = 17%



DID NOT STUDY ABROAD

-  High School GPA = 3.22
-  SAT Score = 1057
-  % Received Need-Based Aid = 52%
-  % Female = 54%
-  % Underrepresented minority = 36%

Study Abroad at the University System of Georgia
Descriptive Statistics: What does the data say?



STUDY ABROAD



Degree in 6 years = 93%



Degree in 4 years = 57%



Semesters to Degree = 12.4



Credit Hours Earned at Degree = 136.9



Hours Earned/Hours Attempted = 94%



GPA at Degree = 3.4

These descriptive statistics suggest that students who Study Abroad have higher 6 and 4 year graduation rates, and higher GPA at graduation compared to non Study Abroad students.



DID NOT STUDY ABROAD



Degree in 6 years = 52%



Degree in 4 years = 23%



Semesters to Degree = 13.2



Credit Hours Earned at Degree = 133.3



Hours Earned/Hours Attempted = 94%



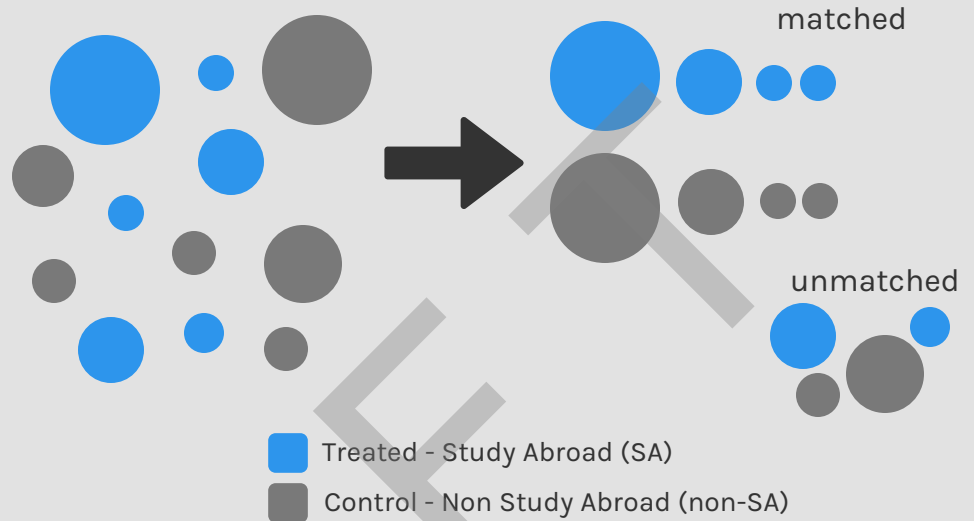
GPA at Degree = 3.16

It is imperative to note however that these students also differ in academic preparation, demographic, and socio-economic characteristics. As a result, these descriptive statistics do not reveal the impact of Study Abroad per se, but rather the influence of a number of other factors that contribute to student success.

Matching Analysis: What does this statistical analysis mean?

What does a Matching Analysis do?

Matching takes the existing sample of data where there are pre-existing differences in students who study abroad and those who don't study abroad (e.g. High School GPA), and creates matches between students with similar characteristics.

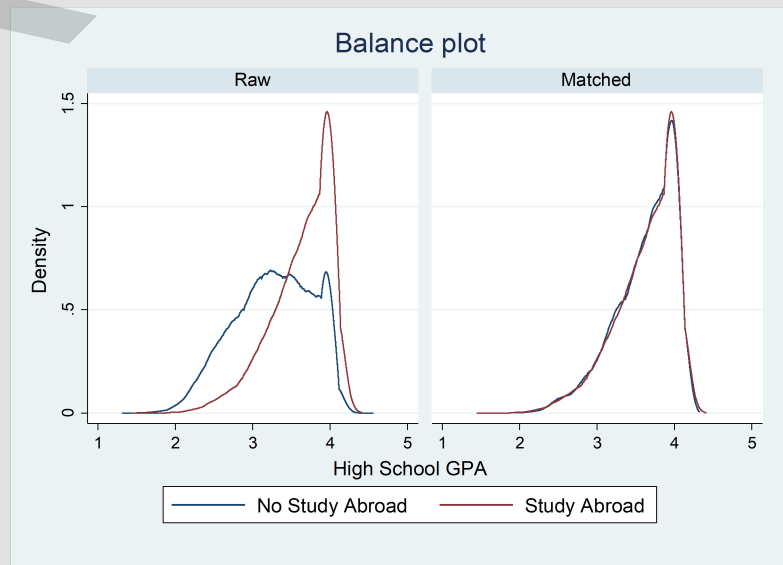


What do we match on (e.g. control variables)?

1. High School GPA,
2. SAT/ACT Score,
3. Pell/Financial Aid,
4. Race/Ethnicity,
5. Gender,
6. Age at matriculation,
7. Major,
8. Full time (or part-time)
9. Number of terms enrolled

Without matching, the outcomes of students who SA are compared against those who don't SA. This ignores other differences that can exist across SA and non-SA students.

With matching, students are first matched to each other on the control variables. Then, the outcomes of only matched SA and non-SA students are calculated.



Example: Unmatched data shows a **notable difference** in HS GPA for SA vs. non-SA students.

Example: Once matches are constructed, the HS GPA for SA and non-SA are much **more similar**.

Matching analysis improves the comparability of treatment and control groups.

Study Abroad at the University System of Georgia
Outcomes: What is the effect of Study Abroad?



DEGREE IN 6 YEARS

8.7pp

SA students are more likely (8.7pp) to graduate in 6 years compared with non-SA students.



DEGREE IN 4 YEARS

10.1pp

SA students are more likely (10.1pp) to graduate in 4 years compared with non-SA students.



SEMESTERS TO DEGREE

-0.17

SA students finish their degree about 3 weeks faster than non-SA students, showing that study abroad slightly accelerates but does not delay graduation.



**CREDIT HOURS
EARNED**

3.22

SA students earn 3.22 more credit hours upon graduation compared with non-SA students, showing that SA students do not earn considerably more, or less, credit hours than non-SA students.



**HOURS EARNED/
HOURS ATTEMPTED**

[NSS]

No difference between SA and non-SA students.



**GPA AT
DEGREE**

.12

SA students earn a 0.12 higher GPA than non-SA students.

Study Abroad: Need-Based Aid vs No Need-Based Aid
Descriptive Statistics



NEED-BASED AID












NO NEED-BASED AID










6% of need-based aid students studied abroad

14% of no need-based aid students studied abroad

✓ STUDY ABROAD vs. ✗ NO STUDY ABROAD

✓ STUDY ABROAD vs. ✗ NO STUDY ABROAD

	High School GPA = 3.53 vs. 3.14
	SAT Score = 1141 vs. 1009
	% Female = 70% vs. 58%
	% Underrep. minority = 36% vs. 52%
	Degree in 6 years = 90% vs. 46%
	Semesters to Degree = 12.9 vs. 13.4
	Credit Hours at Degree = 136.2 vs. 133.5
	Hours Earned/Attempted = 93% vs. 93%
	GPA at Degree = 3.29 vs. 3.09

	= 3.67 vs. 3.31
	= 1245 vs. 1108
	= 63% vs. 50%
	= 9% vs. 18%
	= 94% vs. 60%
	= 12.2 vs. 12.9
	= 137.2 vs. 133.2
	= 95% vs. 95%
	= 3.42 vs. 3.21

Study Abroad: Need-Based Aid vs No Need-Based Aid Matching Analysis



NEED-BASED AID



NO NEED-BASED AID



DEGREE IN 6 YEARS

12.2pp

Among students who receive need-based aid, those who SA are 12.2pp more likely to graduate in 6 years compared with non-SA students. For students who do not receive need-based aid, the differential is 9.9pp.

9.9pp



DEGREE IN 4 YEARS

10.1pp

Among students who receive need-based aid, those who SA are 10.1pp more likely to graduate in 4 years compared with non-SA students. For students who do not receive need-based aid, the differential is 12.4pp.

12.4pp



SEMESTERS TO DEGREE

-0.29

Among students who receive need-based aid, those who SA graduate 0.29 semesters faster compared with non-SA students. For students who do not receive need-based aid, the differential is 0.22 semesters. These results suggest that SA slightly accelerates but does not delay graduation.

-0.22



CREDIT HOURS EARNED

2.24

Among students who receive need-based aid, those who SA earn 2.24 more credit hours compared with non-SA students. For students who do not receive need-based aid, the differential is 2.79 credit hours. These results suggest that SA students do not earn considerably more, or less, credit hours than non-SA students.

2.79



HOURS EARNED/HOURS ATTEMPTED

[NSS]

There is no statistical difference between SA and non-SA students with respect to the ratio of hours earned to hours attempted.

[NSS]



GPA AT DEGREE

0.11

Among students who receive need-based aid, those who SA earn a 0.11 higher GPA compared with non-SA students. For students who do not receive need-based aid, the differential is .09.

.09

Study Abroad: STEM vs. not STEM program students
Descriptive Statistics



STEM PROGRAM STUDENTS

12% of STEM students studied abroad

✓ STUDY ABROAD vs. ✗ NO STUDY ABROAD

High School GPA = 3.79 vs. 3.38

SAT Score = 1284 vs. 1112

% Underrep. minority = 15% vs. 35%

% Female = 53% vs. 44%

Degree in 6 years = 92% vs. 56%

Semesters to Degree = 12.5 vs. 13.0

Credit Hours at Degree = 141.8 vs. 136.6

Hours Earned/Attempted = 90% vs. 92%

GPA at Degree = 3.38 vs. 3.17



NOT STEM PROGRAM

10% of not STEM students studied abroad

✓ STUDY ABROAD vs. ✗ NO STUDY ABROAD

High School GPA = 3.55 vs. 3.16

SAT Score = 1177 vs. 1035

% Underrep. minority = 18% vs. 36%

% Female = 72% vs. 58%

Degree in 6 years = 93% vs. 51%

Semesters to Degree = 12.0 vs. 12.7

Credit Hours at Degree = 134.5 vs. 131.9

Hours Earned/Attempted = 96% vs. 95%

GPA at Degree = 3.44 vs. 3.25

Study Abroad: STEM vs. not STEM program students
Matching Analysis



STEM PROGRAM STUDENTS



NOT STEM STUDENTS



DEGREE IN 6 YEARS

8.9pp

Among STEM program students, those who SA are 8.9pp more likely to graduate in 6 years compared with non-SA students. For non-STEM students, the differential is 11.5pp.

11.5pp



DEGREE IN 4 YEARS

6.6pp

Among STEM program students, those who SA are 6.6pp more likely to graduate in 4 years compared with non-SA students. For non-STEM students the differential is 13.7pp.

13.7pp



SEMESTERS TO DEGREE

-0.10

Among STEM program students, those who SA graduate 0.10 semesters faster compared with non-SA students. For non-STEM students, the differential is 0.30 semesters. These results suggest that SA slightly accelerates but does not delay graduation.

-0.30



CREDIT HOURS EARNED

3.12

Among STEM program students, those who SA earn 3.12 more credit hours compared with non-SA students. For non-STEM students, the differential is 2.55 credit hours. These results suggest that SA students do not earn considerably more, or less, credit hours than non-SA students.

2.55



HOURS EARNED/ HOURS ATTEMPTED

-0.8%

Among STEM program students, the ratio of hours earned to attempted is 0.8% lower for SA students compared to non-SA students. The differential for non-STEM students is 0.39%. Although significant, the magnitudes are relatively small.

.39%



GPA AT DEGREE

0.11

Among STEM program students, those who SA earn a 0.11 higher GPA compared with non-SA students. For non-STEM students, the differential is .09.

.09

Study Abroad: Underrepresented minority (URM) vs. not URM
Descriptive Statistics



UNDERREPRESENTED MINORITY (URM)

6% of underrepresented minority students studied abroad



STUDY ABROAD

vs.



NO STUDY ABROAD



High School GPA = 3.47 vs. 3.03



SAT Score = 1111 vs. 968



% Female = 72% vs. 59%



Degree in 6 years = 42% vs. 46%



Semesters to Degree = 12.5 vs. 13.4



Credit Hours at Degree = 136.7 vs. 133.4



Hours Earned/Attempted = 94% vs. 93%



GPA at Degree = 3.29 vs. 3.04



NOT URM

13% of not underrep. minority students studied abroad



STUDY ABROAD

vs.



NO STUDY ABROAD



= 3.67 vs. 3.36



= 1241 vs. 1119



= 63% vs. 51%



= 93% vs. 60%



= 12.0 vs. 12.7



= 137.0 vs. 133.3



= 94% vs. 94%



= 3.44 vs. 3.25

Study Abroad: Underrepresented minority (URM) vs. not URM Matching Analysis



UNDERREPRESENTED MINORITY (URM)



NOT URM



DEGREE IN 6 YEARS

14.9pp

Among URM students, those who SA are 14.9pp more likely to graduate in 6 years compared with non-SA students. For non-URM students, the differential is 9.5pp.

9.5pp



DEGREE IN 4 YEARS

11.9pp

Among URM students, those who SA are 11.9pp more likely to graduate in 4 years compared with non-SA students. For non-URM students the differential is 11.6pp.

11.6pp



SEMESTERS TO DEGREE

-0.27

Among URM students, those who SA graduate 0.27 semesters faster compared with non-SA students. For non-URM students, the differential is 0.23 semesters. These results suggest that SA slightly accelerates but does not delay graduation.

-0.23



CREDIT HOURS EARNED

2.95

Among URM students, those who SA earn 2.95 more credit hours compared with non-SA students. For non-URM students, the differential is 2.45 credit hours. These results suggest that SA students do not earn considerably more, or less, credit hours than non-SA students.

2.45



HOURS EARNED/ HOURS ATTEMPTED

[NSS]

There is no statistical difference between SA and non-SA students with respect to the ratio of hours earned to hours attempted.

[NSS]



GPA AT DEGREE

0.12

Among URM students, those who SA earn a 0.12 higher GPA compared with non-SA students. For non-URM students, the differential is .09.

.09