



Does going to university in a different country affect your mental health? A Japanese international university surveyed its students in 2018 and published a study the following year that was approved by several ethical and regulatory boards.

The study found that international students have a higher risk of mental health difficulties than the general population, and that social connectedness (belonging to a social group) and acculturative stress (stress associated with joining a new culture) are predictive of depression.

Explore the `students` data using PostgreSQL to find out if you would come to a similar conclusion for international students and see if the length of stay is a contributing factor.

Here is a data description of the columns you may find helpful.

Field Name	Description
<code>inter_dom</code>	Types of students (international or domestic)
<code>japanese_cate</code>	Japanese language proficiency
<code>english_cate</code>	English language proficiency
<code>academic</code>	Current academic level (undergraduate or graduate)
<code>age</code>	Current age of student
<code>stay</code>	Current length of stay in years
<code>todep</code>	Total score of depression (PHQ-9 test)
<code>tosc</code>	Total score of social connectedness (SCS test)
<code>toas</code>	Total score of acculturative stress (ASISS test)

Projects Data DataFrame as students

```
-- Run this code to view the data in students
SELECT *
FROM students;
```

...	↑↓	i. ...	↑↓	...	↑↓	...	↑↓	...	↑↓	...	↑↓	s. ...	↑↓	...	↑↓	japane...	...	↑↓	...	↑↓	engli..			
0		Inter		SEA		Male		Grad		24		4		5		Long		3		Average		5		Hig
1		Inter		SEA		Male		Grad		28		5		1		Short		4		High		4		Hig
2		Inter		SEA		Male		Grad		25		4		6		Long		4		High		4		Hig
3		Inter		EA		Female		Grad		29		5		1		Short		2		Low		3		Ave
4		Inter		EA		Female		Grad		28		5		1		Short		1		Low		3		Ave
5		Inter		SEA		Male		Grad		24		4		6		Long		3		Average		4		Hig
6		Inter		SA		Male		Grad		23		4		1		Short		3		Average		5		Hig
7		Inter		SEA		Female		Grad		30		5		2		Medium		1		Low		1		Lov
8		Inter		SEA		Female		Grad		25		4		4		Long		4		High		4		Hig
9		Inter		Others		Male		Grad		31		5		2		Medium		1		Low		4		Hig
10		Inter		Others		Female		Grad		28		5		1		Short		1		Low		2		Lov
11		Inter		SEA		Female		Grad		31		5		1		Short		1		Low		4		Hig
12		Inter		SA		Male		Grad		29		5		1		Short		1		Low		4		Hig
13		Inter		EA		Male		Grad		23		4		1		Short		3		Average		4		Hig
14		Inter		SEA		Female		Grad		31		5		1		Short		1		Low		3		Ave
15		Inter		Others		Female		Grad		30		5		1		Short		1		Low		5		Hig

Rows: 286

Projects Data DataFrame as df

```
SELECT stay,COUNT(*) AS count_int,
        ROUND(AVG(todep),2) AS average_phq,
        ROUND(AVG(tosc),2) AS average_scs,
        ROUND(AVG(toas),2) AS average_as
FROM students
WHERE inter_dom = 'Inter'
GROUP BY stay
ORDER BY stay DESC;
```

...	↑↓	...	↑↓	c...	...	↑↓	av...	...	↑↓	av...	...	↑↓	a...	...	↑↓
0		10		1		13		32		50					
1		8		1		10		44		65					
2		7		1		4		48		45					
3		6		3		6		38		58.67					
4		5		1		0		34		91					
5		4		14		8.57		33.93		87.71					
6		3		46		9.09		37.13		78					
7		2		39		8.28		37.08		77.67					
8		1		95		7.48		38.11		72.8					

Rows: 9