



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

```
-- 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	High				No		No		No							
1	Inter		SEA		Male		Grad		28		5		1	Short		4	High		4	High				No		No		No							
2	Inter		SEA		Male		Grad		25		4		6	Long		4	High		4	High		Yes		Yes		No		No							
3	Inter		EA		Female		Grad		29		5		1	Short		2	Low		3	Average		No		No		No		No							
4	Inter		EA		Female		Grad		28		5		1	Short		1	Low		3	Average		Yes		No		No		No							
5	Inter		SEA		Male		Grad		24		4		6	Long		3	Average		4	High		Yes		No		No		No							
6	Inter		SA		Male		Grad		23		4		1	Short		3	Average		5	High		Yes		No		No		No							
7	Inter		SEA		Female		Grad		30		5		2	Medium		1	Low		1	Low		Yes		Yes		Yes		No							
8	Inter		SEA		Female		Grad		25		4		4	Long		4	High		4	High		No		No		No		Yes							
9	Inter		Others		Male		Grad		31		5		2	Medium		1	Low		4	High		Yes		Yes		No		No							
10	Inter		Others		Female		Grad		28		5		1	Short		1	Low		2	Low		No		Yes		No		No							
11	Inter		SEA		Female		Grad		31		5		1	Short		1	Low		4	High		Yes		Yes		No		No							
12	Inter		SA		Male		Grad		29		5		1	Short		1	Low		4	High		Yes		Yes		No		No							
13	Inter		EA		Male		Grad		23		4		1	Short		3	Average		4	High		Yes		Yes		No		No							
14	Inter		SEA		Female		Grad		31		5		1	Short		1	Low		3	Average		Yes		No		Yes		No							
15	Inter		Others		Female		Grad		30		5		1	Short		1	Low		5	High		Yes		Yes		No		Yes							

Rows: 201 of 286

Expand

How likely are you to recommend DataLab to a friend or co-worker?

Not at all likely

0

1

2

3

4

5

6

7

3

9

10

Extremely likely

powered by **InMoment**

```
-- Start coding here...
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
LIMIT 9;
```

...	↑↓	...	↑↓	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

Expand

How likely are you to recommend DataLab to a friend or co-worker?

