



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

Rows: 286

Projects Data

DataFrame as

-- Start coding here...
SELECT stay AS 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