

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)

```
-- Run this code to save the CSV file as students
```

```
SELECT *  
FROM 'students.csv';
```

	<code>inter_dom</code>	<code>region</code>	<code>gender</code>	<code>academic</code>	<code>age</code>	<code>age_cate</code>	<code>stay</code>	<code>stay_cate</code>	<code>japanese</code>	<code>japanese_c</code>
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

Table

Chart

<< < 1 of 29 > >>

Rows per page 10 286 rows

DataFrames and CSVs

DataFrame available 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;
```

	<code>stay</code>	<code>count_int</code>	<code>average_phq</code>	<code>average_scs</code>	<code>average_as</code>
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