

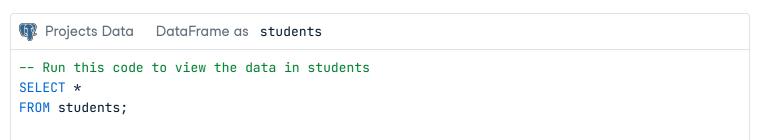
Does going to university in a different country affect your mental health? A Japanese international university surveyed its students in 2018 and published a study the following year that was approved by several ethical and regulatory boards.

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



~	inter_dom ~	region ~	gender v	academic ~	age ~	age_cate ~	stay ~	stay_c
0	Inter	SEA	Male	Grad	24	4	5	Long
1	Inter	SEA	Male	Grad	28	5	1	Short
2	Inter	SEA	Male	Grad	25	4	6	Long
3	Inter	EA	Female	Grad	29	5	1	Short
4	Inter	EA	Female	Grad	28	5	1	Short
5	Inter	SEA	Male	Grad	24	4	6	Long
6	Inter	SA	Male	Grad	23	4	1	Short
7	Inter	SEA	Female	Grad	30	5	2	Mediu
8	Inter	SEA	Female	Grad	25	4	4	Long
9	Inter	Others	Male	Grad	31	5	2	Mediu

Projects Data DataFrame as df

```
-- Start coding here...
```

-- Find the number of international students and their average scores by length of stay, in descending order of length of stay

```
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;

~	stay	count_int	average_phq ~	average_sc				
0	10	1	13					
1	8	1	10					
2	7	1	4					
3	6	3	6					
4	5	1	0					
5	4	14	8.57					
6	3	46	9.09					
7	2	39	8.28					
8	1	95	7.48					

9 rows <u>↓</u>