PROJECT: ANALYZING STUDENTS' MENTAL HEALTH

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)

Projects Data DataFrame as `students`

```
-- Run this code to view the data in students
SELECT *
FROM students;
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0	Inter	SEA	Male	Grad	24	4	5	Long	3	Average	5	High		Yes	No	No	No	0	Min	34	23
1	Inter	SEA	Male	Grad	28	5	1	Short	4	High	4	High		No	No	No	No	2	Min	48	8
2	Inter	SEA	Male	Grad	25	4	6	Long	4	High	4	High	Yes	Yes	No	No	No	2	Min	41	13
3	Inter	EA	Female	Grad	29	5	1	Short	2	Low	3	Average	No	No	No	No	No	3	Min	37	16
4	Inter	EA	Female	Grad	28	5	1	Short	1	Low	3	Average	Yes	No	No	No	No	3	Min	37	15
5	Inter	SEA	Male	Grad	24	4	6	Long	3	Average	4	High	Yes	No	No	No	No	6	Mild	38	18
6	Inter	SA	Male	Grad	23	4	1	Short	3	Average	5	High	Yes	No	No	No	No	3	Min	46	17
7	Inter	SEA	Female	Grad	30	5	2	Medium	1	Low	1	Low	Yes	Yes	Yes	No	No	9	Mild	41	16
8	Inter	SEA	Female	Grad	25	4	4	Long	4	High	4	High	No	No	No	Yes	Other	7	Mild	36	22
9	Inter	Others	Male	Grad	31	5	2	Medium	1	Low	4	High	Yes	Yes	No	No	No	3	Min	48	8
10	Inter	Others	Female	Grad	28	5	1	Short	1	Low	2	Low	No	Yes	No	No	No	5	Mild	32	24
11	Inter	SEA	Female	Grad	31	5	1	Short	1	Low	4	High	Yes	Yes	No	No	No	8	Mild	47	17
12	Inter	SA	Male	Grad	29	5	1	Short	1	Low	4	High	Yes	Yes	No	No	No	1	Min	48	8
13	Inter	EA	Male	Grad	23	4	1	Short	3	Average	4	High	Yes	Yes	No	No	No	3	Min	32	9
14	Inter	SEA	Female	Grad	31	5	1	Short	1	Low	3	Average	Yes	No	Yes	No	No	9	Mild	31	23
15	Inter	Others	Female	Grad	30	5	1	Short	1	Low	5	High	Yes	Yes	No	Yes	Other	6	Mild	40	19

Rows: 286 Expand

Projects Data DataFrame as `df`

```
-- Start coding here...

--Retrieve the stay, count_int,average_phq,average_scs, and average_as columns
SELECT stay, COUNT(inter_dom) 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
-- Filter only for international students
WHERE inter_dom = 'Inter'
-- Grouping by length of stay
GROUP BY stay
--Order by description and limit
ORDER BY stay DESC
```

index	stay	count_int	average_phq	average_scs	average_as
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