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`

```sql
-- Run this code to view the data in students
SELECT *
FROM students;
```

…	i.. …	…	…	…	…	…	s. …	…	japane… …	…	engli… …	…
77	Inter	SA	Female	Under	24	4	3	Medium	4	High	5	High	No
78	Inter	SEA	Female	Under	21	3	3	Medium	3	Average	2	Low	Yes
79	Inter	SEA	Female	Under	20	2	2	Medium	3	Average	4	High	No
80	Inter	EA	Male	Under	23	4	3	Medium	2	Low	2	Low	Yes
81	Inter	EA	Female	Under	19	2	1	Short	4	High	3	Average	No
82	Inter	SEA	Female	Under	19	2	1	Short	3	Average	4	High	Yes
83	Inter	EA	Male	Under	19	2	1	Short	4	High	4	High	No
84	Inter	SEA	Male	Under	20	2	1	Short	1	Low	4	High	No
85	Inter	SEA	Male	Under	20	2	1	Short	2	Low	4	High	No
86	Inter	EA	Male	Under	21	3	3	Medium	4	High	4	High	No
87	Inter	SEA	Female	Under	21	3	4	Long	3	Average	5	High	Yes
88	Inter	EA	Male	Under	21	3	4	Long	4	High	4	High	Yes
89	Inter	EA	Female	Under	18	1	2	Medium	4	High	4	High	No
90	Inter	EA	Male	Under	19	2	1	Short	2	Low	3	Average	No
91	Inter	SEA	Female	Under	21	3	2	Medium	3	Average	4	High	No
92	Inter	SEA	Female	Under	18	1	1	Short	1	Low	3	Average	Yes

Rows: 286

🐘 **Projects Data**   DataFrame as `df`

```sql
-- 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;
```

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