

RESEARCH QUESTION:

Is hospital quality related to quality of nurses?

CONCLUSION:

Yes, that a higher overall hospital rating (rating_int) is related to a higher average nurse performance (average_performance).

See table below:

rating_int	average_performance
5	83.48776275233219
4	80.85374804461443
3	78.3886931066019
2	75.13791262061851
1	71.75227729872901

An improvement in hospital rating by one point accounts for ~3 point increase nurse communication performance.

APPROACH RATIONALE:

I define nurse performance using the "communication with nurses achievement points" from the original dataset (survey_responses.csv). This metric measures how well nurses communicate with patients and other staff.

The table above shows the average performance of nurses for hospitals that scored 1 through 5 in their overall rating. Here, 5 is the highest rating and 1 is the lowest.

SQL:

```
> select rating_int, AVG(performance) as average_performance from
nurse_rating
> GROUP BY rating_int
> ORDER BY rating_int DESC;
```