

Quiz 3

Exercises

Please use this dataset.

| x | y |
|---|---|
| 1 | 2 |
| 2 | 4 |
| 3 | 5 |
| 4 | 4 |
| 5 | 6 |
| 6 | 7 |

Exercise 1.

Does the data provide sufficient evidence to indicate that x and y are significantly related? Use $\alpha = 0.05$.

Exercise 2.

Find a 95% confidence interval for the slope, β_1 . Interpret the result practically.