

Name: Key

UNIT 4 DAY 24 HOMEWORK – LINE OF BEST FIT

1. The following table represents the 1st quarter GPA of University of Illinois students and the number of days those students were absent from class last quarter.

GPA	3.4	2.0	3.9	2.8	1.5
# of days absent	3	7	1	5	15

- a. Define the independent and dependent Variables.

indep = # of days absent
dep = GPA

- b. Describe the correlation (positive, negative, (or no correlation).

negative

If you were to find a line of best fit...

- c. What would the slope represent? (in general terms)

for every absence, GPA decreases

- d. What would the y-intercept represent? (in general terms)

GPA after missing 0 days of school

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2. The following table represents the 1st quarter GPA of University of Illinois students and the number of days those students were absent from class last quarter.

GPA	3.4	2.0	3.9	2.8	1.5
# of days absent	3	7	1	5	15

- b. Define the independent and dependent Variables.

- b. Describe the correlation (positive, negative, (or no correlation).

If you were to find a line of best fit...

- c. What would the slope represent? (in general terms)

- d. What would the y-intercept represent? (in general terms)