

Probability and Statistics (MATH 1530-017)

Attendance Quiz, February 12, 2009

NAME _____ E-NUMBER _____

Circle the letter of the best answer. The problems are worth 2 points each.

1. You have data on a large group of college students. You measure the amount of time spent studying for a statistics exam and the grade on the exam. Then:
 - (a) the “grade on the exam” is the explanatory variable.
 - (b) the “grade on the exam” is the response variable.
 - (c) the “amount of time spent studying” is the response variable.
 - (d) both (a) and (c).
2. Suppose we have the following data for a sample of *Three Stooges* films:

Length of Film	10 min	12 min	14 min	16 min	18 min
Number of Slaps	12 slaps	15 slaps	16 slaps	17 slaps	20 slaps

(This is hypothetical data.) Then which of the following best describes this data:

- (a) the two variables are positively associated.
- (b) the two variables are negatively associated.
- (c) the correlation coefficient is fairly close to +1.
- (d) both (a) and (c).