Quiz 1: Data, variables, studies
(taken on Mon April 3)

You may work with in a group of as many as three students on this quiz, handing in one quiz with all names, provided that you all contribute to the work. You may use your notes.

For questions 1-2, consider the research question of whether students at Cal Poly – SLO are more likely to wear clothing that says “Cal Poly” than students at Cal Poly – Pomona. Suppose that you were to collect data for a statistical study of this question.

1. Identify one of the two variables in this study, and classify it as quantitative or categorical.

2. Identify the other variable in this study, and classify it as quantitative or categorical.

For questions 3-5, consider the patients who went to the emergency room at the local hospital last week as the observational units in a statistical study.

3. Identify one categorical variable that could be recorded on these observational units.

4. Identify one quantitative variable that could be recorded on these observational units.

5. State a research question that you could investigate about these observational units, using at least one of the variables that you gave in #3 or #4.