STAT 217 – Quiz 1 (Data, Variables, Studies)

Taken on Mon Jan 5. You may work with a group of as many as 3-4 students, submitting one quiz with all names, provided that you all contribute to the work. You may use your notes.

For questions 1-3, consider the 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 the observational units in this study.

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

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

For questions 4-5, consider the patients who went to the emergency room at the local hospital last week as the observational units in a study.

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

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