

1. After conducting a survey at a pet store to see what impact having a pet had on the condition of the yard, a news reporter stated “There appears to be a strong correlation between the owning a pet and the condition of the yard.” Comment on this observation.

2. On the axes below, sketch a scatterplot described:

a. a strong positive association

b. a weak negative association



3. A study by a prominent psychologist found a moderately strong positive association between the number of hours of sleep a person gets and the person’s ability to memorize information.
- a. Explain in the context of this problem what “positive association” means.
- b. Hoping to improve academic performance, the psychologist recommended the school board allow students to take a nap prior to any assessment. Discuss the psychologist’s recommendations.