

Types of Statistical Tests

Math Academy 1 Worksheet 8-E

1. For each of the following research questions, make up a reasonable data set and calculate the p value. If p is not between .025 and .075, adjust your data until p is in this range. Once it is, state the conclusion along with the calculated statistic (t , r , χ^2 , or F) and the p value.

a) Do people commute more the higher their salary is?

b) Do high school graduates earn more than high school dropouts?

c) Do different grocery stores have different average wait times at checkout?

d) Is there a relationship between season of birth and field of study in college?