

In class, I have explained that when we report a conclusion for a hypothesis test, we should report the conclusion in the past tense because that's what we observed in our study or experiment. I've also said that you should report the result as specifically as possible. In other words, you should NOT just write "There was a significant effect of ..." if the result of the study was more specific—e.g. you should write/report "There was a significant increase....or there was a significant decrease" rather than simply stating "there was an effect." In some of the homework solutions that I've posted to the course website, I did not report the conclusion (Step 5) in this way. So here I have corrected these conclusions so they agree with how I'm teaching you in class to state them.

Homework # 8 Solutions:

Problem 4:

Step 5: Conclusion.

The course significantly increased average SATs, $Z = 2.16, p < .05$.

Problem 8:

Step 5) Conclusion: Frontal lobe damage significantly increased the average time needed to complete task, $Z = 4.68, p < .05$

Problem 9:

Step 5: Conclusion. The price change significantly decreased average number of sales, $Z = 2.85, p < .05$.

Problem 13:

Step 5: Conclusion. The test was able to detect depressed individuals, $Z = 2.25, p < .01$.

Homework # 9:

Problem # 12:

5) Conclusion. There was a significant decrease in the average score from 10 years ago, $t(99) = 6.00, p < .01$.

Prob. # 16

5) Conclusion. Humidity significantly decreased the average amount of food rats ate, $t(99) = 4.6, p < .05$.