

SPSS #3

Report all findings in a summary paragraph listing the results in APA format along with all means and standard deviations (where appropriate). Unless otherwise told, assume $\alpha = .05$. Hand in output along with typed response.

1. Using the dataset on the website, conduct a one-sample t-test to examine whether the age of our sample is significantly different from the population mean age of 46 for all registered voters in North Carolina. Perform a 90% confidence interval on this data.
2. Conduct an independent-samples t-test to determine if those who sentenced the defendant to death judged the suffering of the victim's family to be significantly greater than those who did not sentence the defendant to death. Conduct a 90% confidence interval on this data. Graph these results using a bar graph.
3. Create a new variable (minority/nonminority) by scoring all the Caucasians as 1 and all other ethnicities as 2. Conduct an independent-samples t-test to determine if there are significant differences in compassion for the defendant between these two groups. Indicate whether we have violated homogeneity of variance. Show on the output how you reached that decision.
4. Using data of your own, create a new spss data file that has scores on some variable of your choosing using a within-subjects design so that there are scores at time1 and time2. There should be a minimum of 10 participants. Conduct a related-samples t-test on the data and report your findings in a paragraph using APA format. Do the calculations using SPSS as well as by hand to show that your hand calculations match the findings using SPSS. Hand in the spss output along with your hand calculations.