

Assignment Due (by 11:59 P.M.): Fri 11 Sep.

Directions: You may discuss the exercises with other students and with the instructor, but the work you turn in must be your own. Use the sample SAS code provided on the course website. (You do not need to change anything in the code for this assignment, and do not need to report your SAS code.) This assignment will be graded out of 10 points.

Data: (Same as for Homework 0-A)

Exercises: Note that for these exercises, you only need to report appropriate SAS output after running the sample SAS code. Do not change anything in the SAS code.

1. (5 points) Test whether the DRTA method induced any [non-zero average] reading comprehension change. Report the following:
 - (a) The table output by SAS reporting the sample size (N), mean, standard deviation, test statistic, and p-value. (This table might be broken into several lines, and may include additional output.)
 - (b) The “Q-Q Plot” of the DRTA values, from the SAS output.
2. (5 points) Test whether the [average] reading comprehension change induced by the two methods is the same. Report the following:
 - (a) The table output by SAS reporting the sample sizes (N), means, and standard deviations – for both the DRTA and Basal groups, as well as for the mean difference. (This table might be broken into several lines, and may include additional output.)
 - (b) The table output by SAS reporting the test statistic and p-value. (This table will include two results, one assuming equal variances, and another allowing unequal variances.)
 - (c) The “Distribution” plot of the two groups’ values (including histograms and box-plots) from the SAS output.