

ICA – Checking Model Assumptions

You are asked to conduct a t-test to test whether the mean score of two groups are equal or not. In an Rmarkdown file, check the assumptions of the t-test and determine if a t-test should be used. If a t-test is appropriate, use R to conduct the test, otherwise, conduct a more appropriate test.

↳ t.test

Note: You may assume independence.

1. Distributions Normal?

↳ qqplot residuals

obs. - group
means

2. Equal Variance

↳ boxplots of residuals