Week 4 – IST772 Brain Warm-Up

1. Here’s a short list of R commands:

sampSize <- 100

set.seed(11)

groupA <- rnorm(n=sampSize/2)

groupB <- rnorm(n=sampSize/2) + 0.2

tout <- t.test(groupA, groupB)

The resulting 95% confidence interval is as follows:

-0.88 < (mean difference: groupA – groupB) < -0.16

This confidence interval (obviously) does not overlap with zero. If I ran the final three lines of code 100 times, approximately how many of the resulting confidence intervals would overlap with zero? Send your answer in a chat message to me (not to the whole group).