ECE 341 - Homework #13

t-Test with Two Populations. Due Wednesday, June 11th

Dice Games

- Let A the the sum of adding six uniform distributions in the range of (0,8)
- Let B be the sum of adding four uniform distributions in the range of (0,10)

1) Determine the 90% confidence interval for the probability that A > B

- Using five Monte Carlo simulations
- Each with 100,000 die rolls.

2) Determine the probability that A > B using a student t-test with

- 5 rolls for A and
- 6 rolls for B

3) Determine the probability that A > B using a student t-test with

- 50 rolls for A and
- 70 rolls for B