

Assignment 5

Due: 10/11/2017

(1) Should You Switch? (Pg. 61) [/10]

Write up an explanation of the results/tables you found in class. Include the tables in your assignment. You should treat this write-up like a “science lab”, meaning there is *no right or wrong answer*. Simply just explain your results and whether or not you think they make sense.

(2) **Extra Credit** [/2]:

(a) [/1] From a probability standpoint, which method (staying or switching) should theoretically be better? [*Write this in your own words*].

(c) [/1] What could you have done (if you had much more time) to get experimental results that more closely match the theoretical answer? [In statistics this is called the *Law of Large Numbers*. To help answer this question, start by explaining the idea behind this law in *your own words* and then apply it to our problem].