

# Jordan Gardner

## Project Part 4

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- Problem 1- Two Skittles from my bag of 59
  - a)  $10/59^2 = .0287$
  - b)  $(10/59)(9/58) = .0263$
  - c)  $1 - (49/59) = .1694915254^2 = .0287273772$
- Problem 2
  - a)  $710/3551 = 1.999436778$
  - b)  $3551 - 710 = 2841/3551 = .8000563222$
  - c)  $726/3551 + 716/3551 = .4060827936$
  - d) Orange: 698, Green: 710, Purple: 701 all add up to 2109.  
 $698/2109 = .3309625415$
- Problem 3
  - a)  $n = 60, CV = .6141 > .5$
  - b)  $10 nCr 4 = 210$
  - c)  $726/3551 = .2044494509 \times 10 = 2.04$ , so out of 10 Skittles, 2 should be yellow
- Problem 4
  - a)
  - b)

