1. The biggest obstacle of this assignment was making sure that I had a method to not recount the stars and planets. I realized that I had to devise a method to make sure that I knew when a location was accounted for. To do this, I implemented an array of 7 boolean values. Every time I encountered a star or planet I would set that location of the C-string to make the boolean false letting me know that I already checked that location.

2. My program has a few set of operations that make it function correctly.

The main function:

ask user for number of rounds to play

loop for that number of rounds

generate a random word (an int to play with the word)

play a round with that word

calculate the stats (averages, totals, mins, maxes)

print relevant information

The runOneRound function:

loop until foundPr

check if is lowercase

print if not

check if 4 - 6 letters

print if not

check if in list of words

print if not

Look for planets and stars

if a planet or star is found at location ‘i’ make the boolena arrray at location ‘i’ == true.

if the right word was guessed (numStars == strlen && probelen == strlen)

return the number of rounds

else print the number of planets and stars

reset boolean array

reset planets and stars