Parameter: Number describing population Statistic: Number describing sample

- a) Paramete: 521 -> More likely attribute to bias Statistic: 595
 - 5) Parameter: \$ 4.12 /gallon_More likely attribute to bias stabstic: \$5.53/gallon based on the location of the gas was

C.) I thought of this question from a probability perspective. The probability of getting of getting heads or tails while flipping a coin is 0.5. But after along 10 flips the probability of getting heads is 0.7. So:

Parameter: 0.5, Attribute to Variability by

S-tatistic: 0'7 H 15 9 fair coin

My Question: Does it really make sense for the probability to change for injunite flips or finite flips?

Problem 2 Bies y stabistic P + Corresponding paremeter P

9.) Sampling bias: May be the sample chosen belong to a similar demograph or background that may ay fat their

Non ruponse bias: Some customes may have not responded to the surry at all

b.) The study would not be biased becomes a statistic is said to be unbiased if it is equal to the corresponding parameter

Problem 3

Problems with the question:

- It is not specific enough what down most week mu?
- Define excuse: Excurise downot necessarily mean working out in the gym

"How many times in a week do you engage in Physical exercise?"

Problem 4:

When trying to find the overage age of people who engage in a particular activity in a sample?