

Homework 0

AUTHOR

Your Name Here

Question 1.7

Question 1.7a

Approximately 23% of patients in the treatment group were pain free 24 hours after receiving acupuncture.

Question 1.7b

Approximately 4% percent were pain free in the control group.

Question 1.7c

A higher percentage of patients in the treatment group were pain free 24 hours after receiving acupuncture.

Question 1.7d

It is possible that the observed difference between the two group percentages is due to chance.

Question 1.7e

Explanatory: acupuncture or not. Response: if the patient was pain free or not.

Question 2.15

Question 2.15a

The cases are 200 randomly sampled men and women.

Question 2.15b

The response variable is attitude towards a fictional microwave oven.

Question 2.15c

The explanatory variable is dispositional attitude.

Question 2.15d

Yes, the cases are sampled randomly, recruited online using Amazon's Mechanical Turk.

Question 2.15e

This is an observational study since there is no random assignment to treatments.

Question 2.15d

No, we cannot establish a causal link between the explanatory and response variables since the study is observational.

Question 2.15e

Yes, the results of the study can be generalized to the population at large since the sample is random.