

QUESTION 3

Interpret the meaning of the confidence interval for Exercise Bikes at a 95% confidence level.

- We are 95% confident that the percentage of customers that purchased Exercise Bikes is between 25% and 40%.
 - We are 95% confident that the percentage of customers that purchased Exercise Bikes is between 25 and 40 contracts.
 - We are 95% confident that the percentage of customers that purchased Exercise Bikes is more than 50%
 - Unable to determine this information.
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QUESTION 4

Using the two-proportion confidence interval formula we determine if there is a difference between the two proportions. Is there a difference between the proportions?

- Yes
 - There is no difference because the confidence interval contains zero since the interval is between (-12% and 8%)
 - Unable to determine this information given insufficient evidence.
 - Yes. The because we are 95% confident that the percentage of customers who -purchase contracts is under 12% and 8%
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QUESTION 5

Construct a 95 percent confidence interval for the difference between the proportions of service contracts sold on treadmills versus exercise bikes. You may want to see sarstats.net/prop2_ind.html

- (-12, 8)
 - (8,12)
 - (-12%, 8%)
 - Unable to determine
-

ions?

nt to use this site to check your calculations: <http://vas>