

Quiz 6

⚠ This is a preview of the published version of the quiz

Started: Jun 22 at 9:12pm

Quiz Instructions



Question 1 1 pts

Which of the following statement is true about the empirical distribution of your data?

☐

It is a discrete uniform distribution where each data point has equal probability $1/n$.

☐

It will converge to population distribution only if the population distribution is uniform..

☐

It converges to population distribution only if the population distribution is discrete.

☐

It does not depend on the population distribution at all.



Question 2 1 pts

How to generate a nonparametric bootstrap resample?

☐

You select random subset of your data.

☐

You randomly shuffle your data.



You randomly sample from the population distribution.



You randomly sample from your data the same sample size but with replacement.



Question 3 1 pts

Which of the following is true about parametric and nonparametric bootstrap resamples?



Nonparametric bootstrap can apply to any population distribution.



All of them!



Parametric bootstrap needs assumption about population distribution family.



Parametric bootstrap needs point estimate(s) for unknown parameter(s).



Question 4 1 pts

We can estimate a bootstrap percentile confidence interval for



only parametric bootstrap.



both parametric and nonparametric bootstrap techniques.



only nonparametric bootstrap.



only sample mean.



Question 5 1 pts

We can estimate a bootstrap normal confidence interval for

☐

only nonparametric bootstrap.

☐

none of them is true!

☐

only sample mean.

☐

only parametric bootstrap.

Not saved

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