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Estimation - Quiz

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Question 1

1/1 point (graded)

True or False: You can uniquely identify a given distribution if you know the family of distributions (ex. Normal, uniform etc.) it is from and the value of the relevant parameters for that family.

- a. True ✔
- b. False

Explanation

A parameter is a constant indexing a family of distributions. Indexing a family of distributions means that the parameters allow you to distinguish between the distributions in the given family. Thus, giving you the family restricts the distribution to that set and then the parameter allows you to uniquely identify a distribution in that set.

Submit You have used 1 of 1 attempts

✔ Correct (1/1 point)

Question 2

1/1 point (graded)

Which of the following are the typical notations used for parameters of the normal distribution?

a. λ and $\frac{1}{\lambda}$

b. μ and σ^2 ✔

c. n and p

d. a and b

Explanation

A normal distribution can be defined by its mean (μ) and its variance (σ^2). c. is the parameters for the binomial distributions. d. is the parameters for the uniform distributions. For a., λ alone is the parameter for the exponential distributions.

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Discussion
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