A hypothesis is a statement about a sample of the population.	
A hypothesis is a statement about a posterior distribution.	
Correct Correct. A hypothesis could be suggested by a sample of the population, but it is a statement about the entire population.	
A Type 2 error in hypothesis testing is:	1/1p
orrectly rejecting the null hypothesis.	
orrectly rejecting the alternative hypothesis.	
incorrectly accepting the null hypothesis.	
incorrectly accepting the alternative hypothesis.	
Which statement best describes a consequence of a type II error in the context of a churn prediction example? Assume that the null hypothesis is that customer churn is due to chance, and that the alternative hypothesis is that customers enrolled for greater than two years will not churn over the next year.	1 p
You incorrectly conclude that customer churn is by chance	
O You correctly conclude that a customer will eventually churn	
You correctly conclude that customer churn is by chance	
You incorrectly conclude that there is no effect	

10. Which of the following is a statistic used for hypothesis testing? 1/1 point

The standard deviation.

Incorrect. Review the Type 1 vs Type 2: Example video.

The likelihood ratio.

The rejection region.

**⊗** Incorrect

The acceptance region.

○ Correct

Correct. The likelihood ratio can be used as a test statistic, to decide whether to accept or reject the null hypothesis.