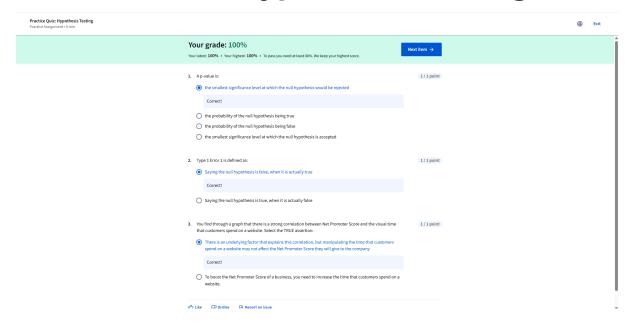
Practice Quiz: Hypothesis Testing



Graded Quiz: Module 4 - Inferential Statistics and Hypothesis Testing

ur grade: 90% Lalent: 90% - Your highest: 90% - Yo pass you need at least 70%. We keep your highest score.	Next item →
Which one of the following is common to both machine learning and statistical inference? Using population data to make inferences about a null sample. Using sample data to make inferences about a hypothesis. Using sample data to infer qualities of the underlying population distribution. Using population data to model a null hypothesis. Cerrect Correct. To both machine learning and statistical inference, we're using sample data to infer qualities of the underlying population distribution.	1/1 point
Which one of the following describes an approach to customer churn prediction stated in terms of probability? Othurn prediction is a data-generating process representing the actual joint distribution between our x and the y variable. Data related to churn may include the target variable for whether a certain customer has left. Predicting a score for individuals that estimates the probability the customer will leave. Predicting a score for individuals that estimates the probability the customer will stay. Curvect. Curvect. Churn prediction is celera approached by predicting a score for individuals that estimates the probability the customer.	1/1 point
What is customer lifetime value? The total churn generated by a customer over their lifetime. The total value that the customer receives during their life. The total purchases over the time which the person is a customer. The total churn a customer generates in the population. Correct Correct. Customer lifetime value consists of the purchase amounts over the entire time that a person has been a customer.	1/1 point
Which one the following statements about the normalized histogram of a variable is true? It is a parametric representation of the population distribution. It is even as a bar chart for the null hypothesis. It is a non-parametric representation of the population variance. It is non-parametric representation of the population variance.	1/1 point
The outcome of rolling a fair die can be modelled as a distribution. Peisson log normal on uniform rormal Cerrect Correct. The chance of rolling any particular value for a fair die is equally likely, so the outcome is uniformly distributed.	1/1 point
Which one of the following features best distinguishes the Bayerian approach to statistics from the Frequentist approach? Frequentist attaitics requires construction of a prior distribution. Bayerian statistics incorporate the probability of the hypothesis being true. Frequentist statistics incorporate the probability of the hypothesis being true. Bayerian statistics is better than Frequentist. Cernet. Cernet. Bayerian statistics allows for experimenters to incorporate their prior beliefs of the jopopulation distribution for a given variable. For frequentist, it scalely based on the data available. It is there is no formal mechanism in frequentist statistics for incorporating prior knowledge, one less the date do the talking!	1/1 point
Which of the following best describes what a hypothesis is? (a) A hypothesis is a statement about a population. A hypothesis is a statement about a sample of the population. A hypothesis is a statement about a prior distribution. A hypothesis is a statement about a prior distribution. Convect Convect. A hypothesis could be suggested by a sample of the population, but it is a statement about the entire population.	1/1 point
A Type 2 error in hypothesis testing is	1/1 point
Which statement best describes a consequence of a type if error in the context of a thurn prediction example Assume that the null hypothesis is that customer chum is due to chance, and that the alternative hypothesis is that customers enough for greater than too years will not chum over the next year. \[\text{Vai incorrectly conclude that customer chum is by chance} \] \[\text{Vai correctly conclude that customer chum is by chance} \] \[\text{Vai correctly conclude that customer chum is by chance} \] \[\text{Vai correctly conclude that a customer chum is by chance} \] \[\text{Vai correctly conclude that a customer chum is by chance} \] \[\text{Vai correctly conclude that a customer will eventually chum} \] \[\text{Succrect.} \] \[\text{Review the Type 1 vs Type 2: Dample video.} \]	
Which of the following is a statistic used for hypothesis testing? The acceptance region. The rejection region. The Bleatimood ratio. The standard deviation.	1/1 point