Grade received 68.75% To pass 80% or higher Try again Fill in the blank: The _____ typically assumes that observed data does not occur by 0 / 1 point chance. null hypothesis objective hypothesis alternative hypothesis subjective hypothesis (x) Incorrect The alternative hypothesis typically assumes that observed data does not occur by chance. The alternative hypothesis is a statement that contradicts the null hypothesis. It is accepted as true only if there is convincing evidence for it. The null hypothesis assumes that observed data occurs by chance. Which of the following statements describe significance level? Select all that apply. 0.75 / 1 point Significance level is the threshold at which a result is considered to be due to chance. (X) This should not be selected Significance level is the threshold at which a result is considered statistically significant. It is also the probability of rejecting a null hypothesis when it is true. Significance level is the probability of rejecting a null hypothesis when it is true. (√) Correct Significance level is the threshold at which a result is considered statistically significant. It is also the probability of rejecting a null hypothesis when it is true. Significance level is the threshold at which a result is considered statistically significant. (√) Correct Significance level is the threshold at which a result is considered statistically significant. It is also the probability of rejecting a null hypothesis when it is true. Significance level is the probability of rejecting an alternative hypothesis when it is true. What concept refers to the probability of observing results that are at least as 1 / 1 point extreme as those observed when the null hypothesis is true? Confidence level

Try again once you are ready

	Statistical significance	
	Correct P-value refers to the probability of observing results that are at least as extreme as those observed when the null hypothesis is true.	
4.	A data professional conducts a hypothesis test. They mistakenly conclude that their result is statistically significant when it actually occurred by chance. What type of error does this scenario describe? Type I	1 / 1 point
	Type II	
	Type III	
	Type IV	
	Correct This scenario describes a type I error. A type 1 error, also known as a false positive, occurs when a null hypothesis is rejected that is actually true.	