

Section 1-2: From assigned reading

What is a Null Hypothesis ? Include the notation associated with this hypothesis.	
What criteria is always given to the null hypothesis?	
What is a Research Hypothesis or alternative hypothesis ? Include the notation associated with this hypothesis.	
How does one determine the number of tails needed in the hypothesis testing procedure?	
How does the number of tails in the procedure affect distributing the alpha level?	
What is a significance level ?	
What is meant by the term p-value ?	
Are hypotheses made about samples or parameters?	
What is the difference between performing a confidence interval from a sample set of data and hypothesis testing?	

Section 1-2: From assigned reading (continued)

What are the only two appropriate responses to performing hypothesis testing?	
How are these responses analogous to a verdict in a court of law?	
What is meant by a type I error ?	
What is meant by a type II error ?	
What are the four steps of hypothesis testing?	
What are the different approaches to performing hypothesis testing?	
How does one interpret the p-value approach?	

Section 3: From assigned reading

What is the difference between practical significance and statistical significance ?	
Is it proper mathematical etiquette to “accept H_0 : ”	
What analogy could be applied to conclusions of hypothesis testing and the verdict in a court of law?	
Can a hypothesis ever be proven? Why or why not?	
What does a z-score close to zero imply about the associated p-value?	

