## Rubric for Inference

This is the R Markdown outline for running inference, both a hypothesis test and a confidence interval.

Exploratory data analysis	
Use data documentation (help files, code summary functions to understand the data	e books, Google, etc.), the str command, and other ta.
	ANSWER
# Add code here to understand the data.	
Prepare the data for analysis. [Not alway	/s necessary.]
	ANSWER
# Add code here to prepare the data for	analysis.
Make tables or plots to explore the data	visually.
	ANSWER
# Add code here to make tables or plots	
Hypotheses	
	easonable population (or populations) of interest.
Please write up your answer here.	ANSWER
Evenues the null and alternative hypothe	gos og gontovtvelky magningful full gontonges
	ses as contextually meaningful full sentences.
$H_0$ : Null hypothesis goes here.	ANSWER

Express the null and alternative hypotheses in symbols (when possible).
ANSWER
$H_0: math$
$H_A: math$
Model
Identify the sampling distribution model.
ANSWER
Please write up your answer here.
Check the relevant conditions to ensure that model assumptions are met.
ANSWER
Please write up your answer here. (Some conditions may require R code as well.)
Mechanics
Mechanics
Compute and report the test statistic.
ANSWER
# Add code here to compute the test statistic.
Please write up your answer here.
Plot the null distribution.
1 lot the han distribution.
ANSWER

 $\mathcal{H}_A$  : Alternative hypothesis goes here.

Calculate the P-value.				
	ANSWER .			
# Add code here to calculate the P-val	ue.			
Conclusion				
State the statistical conclusion.				
Please write up your answer here.	■ ANSWER ■			
State (but do not overstate) a contextu	ally meaningfu	ıl conclusion.		
	ANSWER .			
Please write up your answer here.				
Identify the possibility of either a Typerror means in the context of the hypotential		l error and sta	ate what maki	ng such an
	ANSWER -			
Please write up your answer here.				
Confidence interval				
Check the relevant conditions to ensure	that model as	ssumptions are	e met.	
	ANSWER -			
Please write up your answer here. (Some con-	ditions may requ	ire R code as we	ell.)	

Calculate the confidence interval.				
ANSWER				
# Add code here to calculate the confidence interval.				
State (but do not overstate) a contextually meaningful interpretation.				
ANSWER				
Please write up your answer here.				