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 b command, and other summary functions to	ooks, Google, etc.), the View command, the str understand the data.
Al	NSWER
# Add code here to understand the data.	
Prepare the data for analysis. [Not always n	necessary.]
Al	NSWER
# Add code here to prepare the data for an	alysis.
Make tables or plots to explore the data vis	ually. NSWER
# Add code here to make tables or plots.	
Hypotheses	
· · · · · · · · · · · · · · · · · · ·	onable population (or populations) of interest.
Please write up your answer here.	

	ANSWER
H_0 : Null hypothesis goes here. H_A : Alternative hypothesis goes here.	
Express the null and alternative hypoth	
	ANSWER
$H_0: math$	
$H_A: math$	
Model	
Identify the sampling distribution mode	el.
	ANSWER
Please write up your answer here.	
Check the relevant conditions to ensure	
	ANSWER
Please write up your answer here. (Some con-	ditions may require R code as well.)
Mechanics	
Compute and report the test statistic.	
	ANSWER
# Add code here to compute the test st	tatistic.

Please write up your answer here.	
Plot the null distribution.	ANSWER
# Add code here to plot the null distrib	bution.
Calculate and report the P-value.	ANSWER
# Add code here to calculate the P-value Please write up your answer here.	e.
Conclusion State the statistical conclusion. Please write up your answer here.	ANSWER
State (but do not overstate) a contextual Please write up your answer here.	ly meaningful conclusion. ANSWER
Identify the possibility of either a Type error means in the context of the hypothe	I or Type II error and state what making such an eses. ANSWER

Please write up your answer here.

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