Steps in a data analysis

DEFINE THE QUESTION

General question							
Concrete que	stion						
DEFINE THE IDEAL DATA SET DATA TO BE ACCESSED TERMS OF SERVICE							
Descriptive	0	Exploratory	0	Existing data - Free			
Inferential	0	Predictive	0	Existing data - Paid			
Causal	0	Mechanistic	0	Generate new data			
OBTAIN THE DATA CLEAN THE DATA							
Raw Data	OB		NIA.	Do you understand the data?			
		0					
Source				Are data good enough?			
Date/Time				Notes Notes			
Date/ Time				Notes			
EXPLORATORY DATA ANALYSIS							
Summaries							
Plots							
Analysis							
STATISTICAL PREDICTION/MODELING							
Results							
Methods							
Processing							
Uncertainty							

INTERPRET RESULTS							
Description Causal Coe	efficients						
Association C Prediction C Und	certainty						
CHALLENGE RESULTS							
Question							
Data source							
Processing							
Analysis							
Conclusions							
Uncertainty							
Terms							
Alt. analyses							
SYNTHESIZE/WRITE UP RESULTS							
THE ANALYSIS							
Lead with the question?							
Is summarized into the story							
Is needed for the story?							
Is needed to address a challenge?							
Is ordered according the story?							
Did you include pretty figures that contribute to the story?							
CREATE REPRODUCIBLE CODE							
Can your code be reproduced?							