

1. Subproblem to be resolved: _____

2. Data/Information to be employed in resolving the subproblem: _____

3. Source of Data: _____ Public records (WSJ, Government, Census, Industry, Phone Book, etc.)
 _____ Company records _____ Professional Journal/Magazine
 _____ Interview _____ Textbook/Manual/Guide
 _____ Questionnaire _____ Personal Computer
 _____ Observation _____ Other _____

4. Statistical Analysis: _____ None (do 7 only)
 _____ Descriptive Statistics (do 5 & 7 only)
 _____ Inferential Statistics (do all: 5, 6, & 7)

5. Descriptive Statistics	<u>Kind of Data</u>	<u>Descriptives</u>
Variable #1 _____	Categorical _____ Continuous _____	_____
Variable #2 _____	Categorical _____ Continuous _____	_____
Variable #3 _____	Categorical _____ Continuous _____	_____
Variable #4 _____	Categorical _____ Continuous _____	_____

General guide for filling in the **Descriptives** blank line, above, for each variable
 If: Categorical → Frequency Count by Category, % by Category, Mode, n
 If: Continuous → Mean, Standard Deviation, Min/Max, Range, n

6. Inferential Statistics: For each variable, or combination of variables	<u>Analysis Performed</u>
Name of Independent/Input/Predictor Variable _____ Kind of Data: Categorical _____ Continuous _____	} _____
Name of Dependent/Outcome/Criterion Variable _____ Kind of Data: Categorical _____ Continuous _____	

General guide for filling in the **Analysis Performed** blank line, above
 If: a) Dependent is Continuous and Independent is Continuous → Regression Analysis
 Note: if you have several Continuous Predictors → Multiple Regression
 b) Dependent is Continuous and Independent is Categorical with 2 groups → t-test
 Note: if you have more than 2 groups in your Predictor variable → ANOVA
 c) Dependent is Categorical and Independent is Categorical → Two-Way Chi Square
 d) Dependent is Categorical → One-Way Chi Square

7. Interpretation: State which Research Question/Hypothesis is being answered/tested (if any). State how this information will resolve the subproblem _____

