Analysis Planning Worksheet

Evaluation Question

Does an applicant's status (home ownership, gender, occupation, car ownership, number of children, education level, age, years employed) have an influence on their total income? (ex: do certain occupations make more or less money in this dataset?)

Independent Variable(s)

These variable(s) are causing something or creating an effect. List what each is and whether it is categorical or continuous. It is ok to only have one.

Variable

ownsCar – categorical, 2 levels

ownsRealty – categorical, 2 levels

numChildren – continuous

EduLvl – categorical, 5 levels

Occupation – categorical, 18 levels

Age – continuous

yrsEmpl - continuous

□

Categorical: # of levels _____   □ Continuous

Dependent Variable(s)

These variable(s) are influenced by your independent variable and *depend* on them. List what each is and whether it is categorical or continuous. Unless they are related, you should have only one.

Variable

totalIncome – continuous (I plan on breaking the incomes out into ranges.)

Now that you know the type and number of independent and dependent variables, you are ready to use the analysis flow charts to choose your analysis!

Analysis:

Independent t- test, MANOVA, and Multiple Linear Regression