**Analysis Planning Worksheet**

**Evaluation Question**

Use some or all variables below to predict FWBscore using machine learning tools.

|  |  |  |  |
| --- | --- | --- | --- |
| CHANGEABLE \*  Need to change the direction of the answers 1 to be strongly agree 7 to be strongly disagree – Metrics and Data Processing Class Lesson Reliability and Validity | Belief that ability to manage money is NOT changeable | | |
|  |  | | |
| ABSORBSHOCK \* | Confidence in ability to raise $2,000 in 30 days | | |
| SELFCONTROL\_3 \* | I am able to work diligently toward long-term goals | | |
| PEM \* | | Everyone has a fair chance at moving up the economic ladder | | |
| PPEDUC \* | | | Education (Highest Degree Received) | | |

**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**

□ Categorical: # of levels \_\_\_\_\_ □ Continuous

**Variable**

□ Categorical : # of levels \_\_\_\_\_ □ Continuous

**Variable**

□ Categorical: # of levels \_\_\_\_\_ □ Continuous

Variable

□ 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**

□ Categorical: # of levels \_\_\_\_\_ □ Continuous

**Variable**

□ Categorical: # of levels \_\_\_\_\_ □ Continuous

**Variable**

□ Categorical: # of levels \_\_\_\_\_ □ Continuous

Variable

□ Categorical: # of levels \_\_\_\_\_ □ Continuous

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:**

K Nearest Neighbor - Performing k-Nearest Neighbors in Python

Machine Learning – Lesson Intro to ML

Recode FWBscore into categories:

0-50 low

51-79 medium

80-100 high