**Analysis Planning Worksheet**

**Evaluation Question**

With Crime USA 2016 DATA accurately predict the number of prisoners.

**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**

|  |  |
| --- | --- |
| state\_population |  |

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

**Variable**

violent\_crime\_total

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

**Variable**

Column [e-l]

□ 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**

state\_population

□ 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:**

Step-wise regression

Machine learning

**Analysis Planning Worksheet**

**Evaluation Question**

Trying understand the differences in arrest between the 6 different divisions in Dallas Texas. Type of force, subject description and offence whether or not arrested, whether or not injured.

**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**

|  |  |
| --- | --- |
| SUBJECT\_DESCRIPTION |  |

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

**Variable**

SUBJECT\_WAS\_ARRESTED

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

**Variable**

SUBJECT\_OFFENSE

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

Variable

SUBJECT\_INJURY

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

Variable

TYPE\_OF\_FORCE\_USED1

□ 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**

DIVISION

□ Categorical: # of levels \_6\_\_\_\_ □ 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:**

Independent chi-squares