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

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□ 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