

## Analysis Planning Worksheet

### Evaluation Question

Do applicants' statuses influence the likelihood that an applicant will get approved for a credit card?

### 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

totalIncome (continuous)

occupation (categorical, 18 levels)

gender (categorical, 18 levels)

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

Credit Card Approval – categorical, binary

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:

Develop ML model to approve or deny CC applications, Multiple Regression (stepwise binary logistic regression)