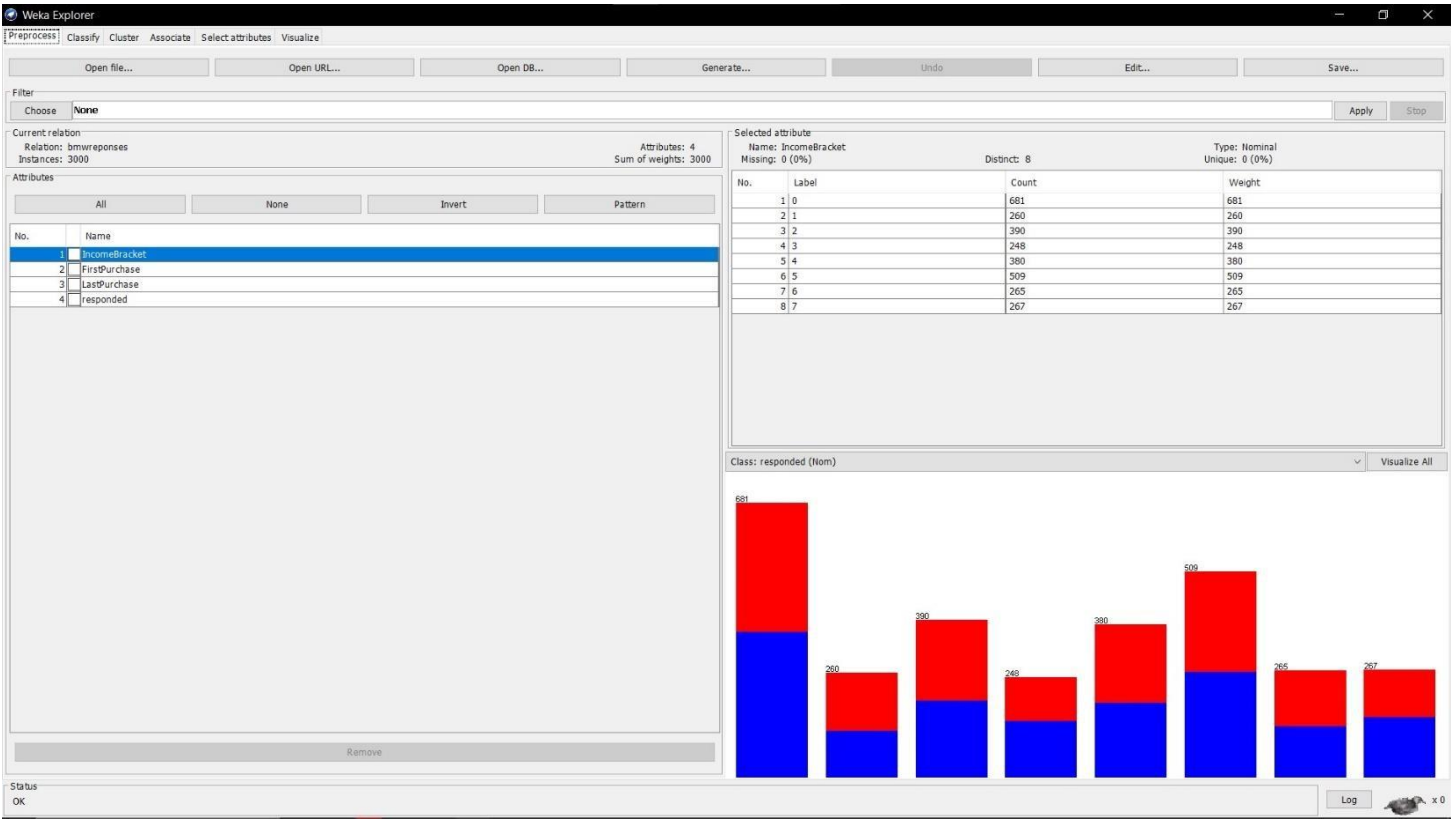


WEKA Lab Exercise

PART 2:



Load BMW Training

Weka Explorer

PreprocessClassifyClusterAssociateSelect attributesVisualize

Classifier

ChooseJ48-C 0.25-M 2

Test options

☐ Use training set

☐ Supplied test set

☒ Cross-validation

☐ Percentage split

Folds10

%66

More options...

(Nom) responded

Start

Stop

Result list (right-click for options)

19:04:09 - trees.J48

Classifier output

| | LastPurchase > 200512

| | | FirstPurchase <= 200306; 0 (46.0/17.0)

| | | FirstPurchase > 200306; 1 (88.0/30.0)

| | IncomeBracket = 6; 0 (143.0/59.0)

| | IncomeBracket = 7

| | LastPurchase <= 200508; 1 (34.0/11.0)

| | LastPurchase > 200508; 0 (118.0/51.0)

Number of Leaves : 28

Size of the tree : 43

Time taken to build model: 0.07 seconds

=== Stratified cross-validation ===

=== Summary ===

Correctly Classified Instances164254.7333 %

Incorrectly Classified Instances135845.2667 %

Kappa statistic0.0933

Mean absolute error0.49

Root mean squared error0.5038

Relative absolute error98.0236 %

Root relative squared error100.7747 %

Total Number of Instances3000

=== Detailed Accuracy By Class ===

	TP Rate	FP Rate	Precision	Recall	F-Measure	MCC	ROC Area	PRC Area	Class
0.592	0.499	0.551	0.592	0.571	0.094	0.550	0.538	1	
0.501	0.408	0.543	0.501	0.521	0.094	0.550	0.537	0	
Weighted Avg.	0.547	0.454	0.547	0.547	0.546	0.094	0.550	0.538	

=== Confusion Matrix ===

a b <-- classified as

903 622 | a = 1

736 739 | b = 0

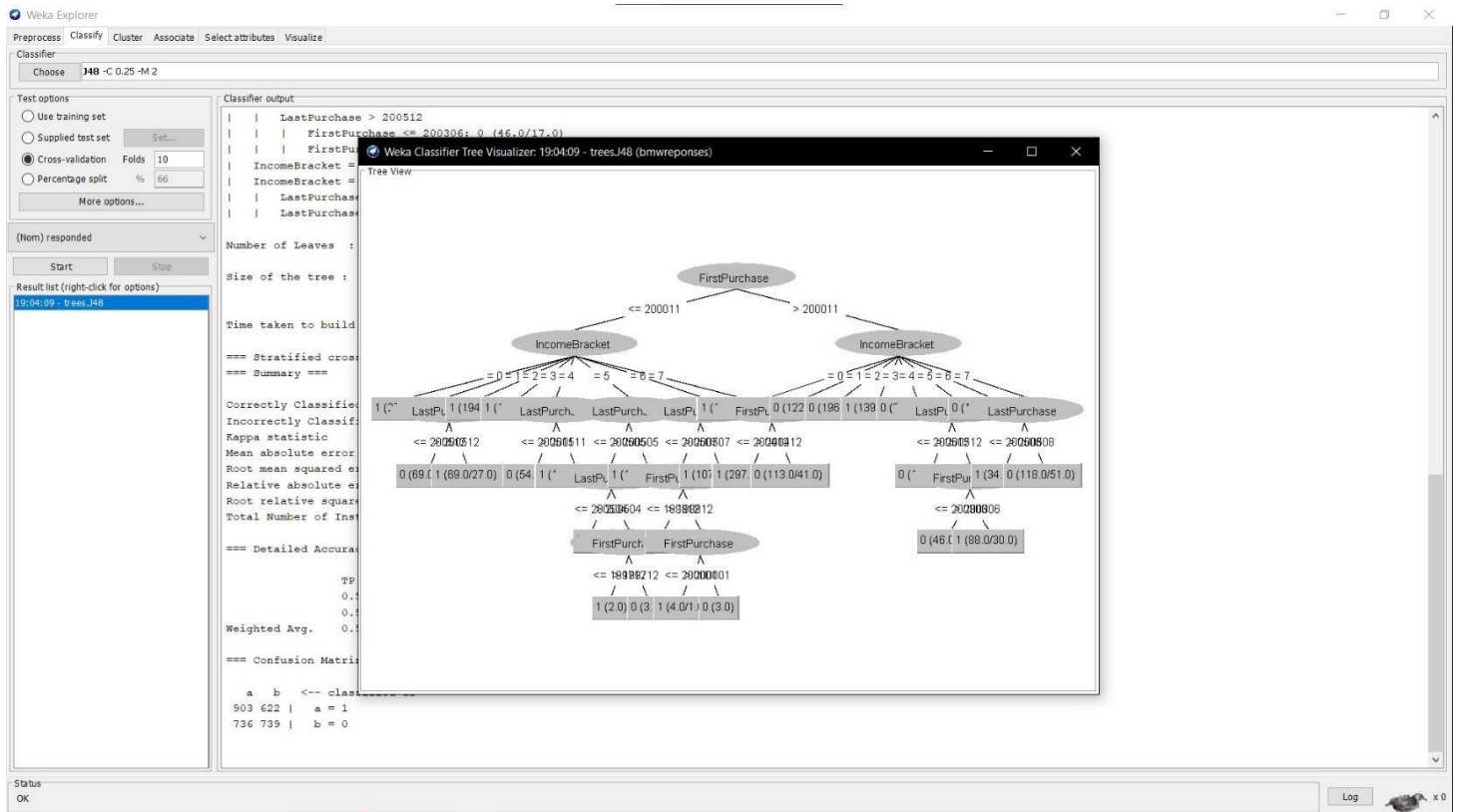
Status

OK

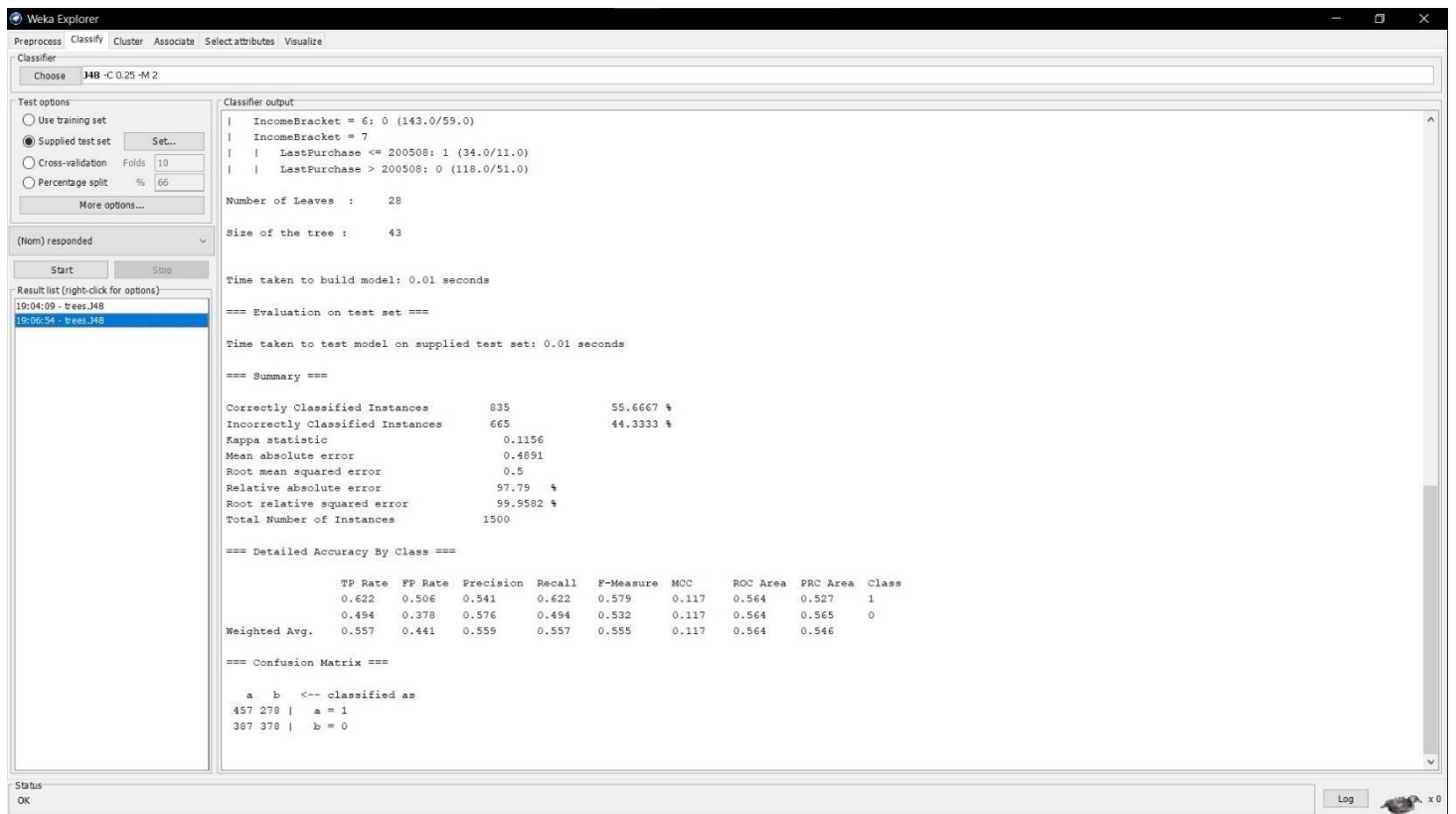
Log

x 0

Responded Start Build



## Visualize Tree



## Load BMW Test Set and Start Build