

Evaluation

A screenshot of the confusion matrix can be seen below:

The top screenshot shows a window titled "ConfusionMatrix - 3:9 - Scorer". It has a menu bar with "File", "Edit", "Hilite", "Navigation", and "View". Below the menu bar are tabs for "Properties" and "Flow Variables". The main content area displays a table titled "Table 'spec_name' - Rows: 2" and "Spec - Columns: 2". The table has two columns: "PennyPinchers" and "HighRollers". The rows are "PennyPinchers" and "HighRollers". The values are: PennyPinchers (308, 27) and HighRollers (38, 192).

Row ID	PennyPinchers	HighRollers
PennyPinchers	308	27
HighRollers	38	192

The bottom screenshot shows a window titled "Accuracy statistics - 3:9 - Scorer". It has a menu bar with "File", "Edit", "Hilite", "Navigation", and "View". Below the menu bar are tabs for "Properties" and "Flow Variables". The main content area displays a table titled "Table 'default' - Rows: 3" and "Spec - Columns: 11". The table has 11 columns: "TruePositives", "FalsePositives", "TrueNegatives", "FalseNegatives", "Recall", "Precision", "Sensitivity", "Specificity", "F-measure", "Accuracy", and "Cohen's Kappa". The rows are "PennyPinch...", "HighRollers", and "Overall". The values are: PennyPinch... (308, 38, 192, 27, 0.919, 0.89, 0.919, 0.835, 0.905, ?, ?), HighRollers (192, 27, 308, 38, 0.835, 0.877, 0.835, 0.919, 0.855, ?, ?), Overall (?, ?, ?, ?, ?, ?, ?, ?, ?, 0.885, 0.76).

Row ID	TruePositives	FalsePositives	TrueNegatives	FalseNegatives	Recall	Precision	Sensitivity	Specificity	F-measure	Accuracy	Cohen's Kappa
PennyPinch...	308	38	192	27	0.919	0.89	0.919	0.835	0.905	?	?
HighRollers	192	27	308	38	0.835	0.877	0.835	0.919	0.855	?	?
Overall	?	?	?	?	?	?	?	?	?	0.885	0.76

As seen in the screenshot above, the overall accuracy of the model is **88.5%**

For us the Positive Class is HighRoller, Negative is PennyPincher.

True Positive: 192. The number of samples that were correctly classified as HighRollers

False Positive: 27. The number of samples that were incorrectly classified as HighRollers(were actually PennyPinchers)

True Negatives: 308. The number of samples that were correctly classified as PennyPinchers

False Negatives: 38. The number of samples that were incorrectly classified as PennyPinchers(were actually HighRollers)