

Step 3: Evaluation

A screenshot of the confusion matrix can be seen below:

Confusion Matrix - 2:11 - Scorer (Compute)		
user_cate...	PennyPinc...	HighRollers
PennyPinchers	308	27
HighRollers	38	192
Correct classified: 500		Wrong classified: 65
Accuracy: 88.496 %		Error: 11.504 %
Cohen's kappa (κ): 0.76		

As seen in the screenshot above, the overall accuracy of the model is 88.496%.

- “308” & “38”: according to the model, we predict that 348(308+38) users are PennyPinchers, but among them 308 users are truly predicted, which means among these 348 users, 308 users are exactly PennyPinchers, 38 HighRollers are incorrectly predicted as PennyPinchers.
- “192” & “27”: according to the model, we predict that 219(192+27) users are HighRollers, but among them 192 users are truly predicted, which means among these 219 users, 192 users are exactly HighRollers, 27 PennyPinchers are incorrectly predicted as HighRollers.