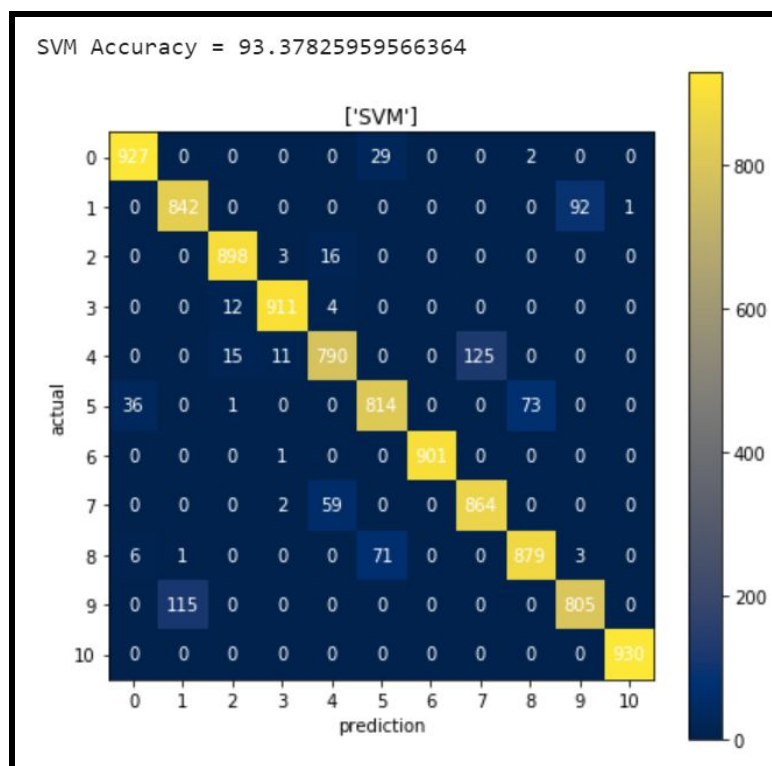**Confusion Matrix** visualization helps to evaluate the effectiveness of the built classifier. It compares the predicted values to the true values.

The accuracy for each of them is tabulated below:
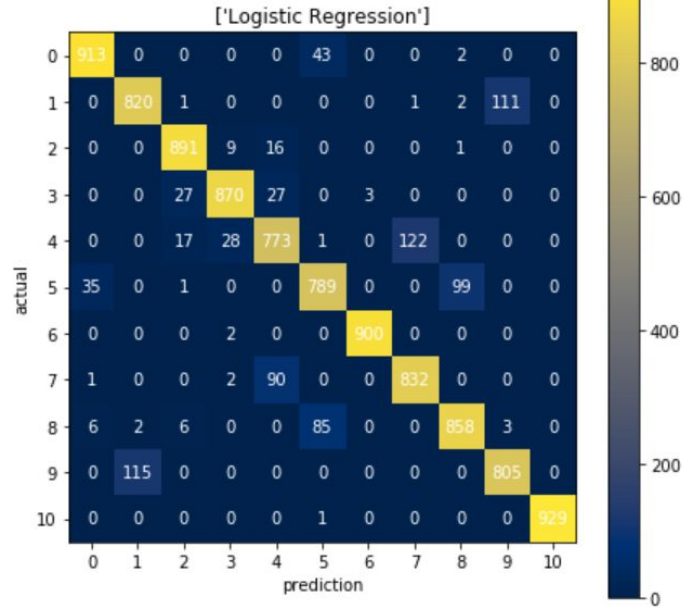
Model	Accuracy
SVM	92.772732
Logistic Regression	91.639809
Decision Tree	98.075984
KNN	80.017580

The below figures show the confusion matrix for SVM, Logistic Regression, Decision Tree, KNN.

Logistic Accuracy = 91.61050883875377

['Logistic Regression']

actual \ prediction	0	1	2	3	4	5	6	7	8	9	10
0	913	0	0	0	0	43	0	0	2	0	0
1	0	820	1	0	0	0	0	1	2	111	0
2	0	0	891	9	16	0	0	0	1	0	0
3	0	0	27	870	27	0	3	0	0	0	0
4	0	0	17	28	773	1	0	122	0	0	0
5	35	0	1	0	0	789	0	0	99	0	0
6	0	0	0	2	0	0	900	0	0	0	0
7	1	0	0	2	90	0	0	832	0	0	0
8	6	2	6	0	0	85	0	0	858	3	0
9	0	115	0	0	0	0	0	0	0	805	0
10	0	0	0	0	0	1	0	0	0	0	929

Decision Tree Accuracy = 98.01738451020607

['Decision Tree']

actual \ prediction	0	1	2	3	4	5	6	7	8	9	10
0	938	0	0	0	0	18	0	0	2	0	0
1	0	919	0	0	0	0	0	0	0	15	1
2	0	0	898	1	16	0	0	2	0	0	0
3	0	0	0	921	4	0	0	2	0	0	0
4	0	0	9	4	908	0	0	20	0	0	0
5	27	0	0	0	0	876	0	0	21	0	0
6	0	0	0	0	0	0	902	0	0	0	0
7	0	0	0	1	17	1	0	906	0	0	0
8	6	0	2	0	0	19	0	0	932	1	0
9	0	14	0	0	0	0	0	0	0	906	0
10	0	0	0	0	0	0	0	0	0	0	930

The accuracy of Voting Classifier is found to be 94.989745

SVM

Logistic Regression

Decision Tree

KNN

Voting Classifier