



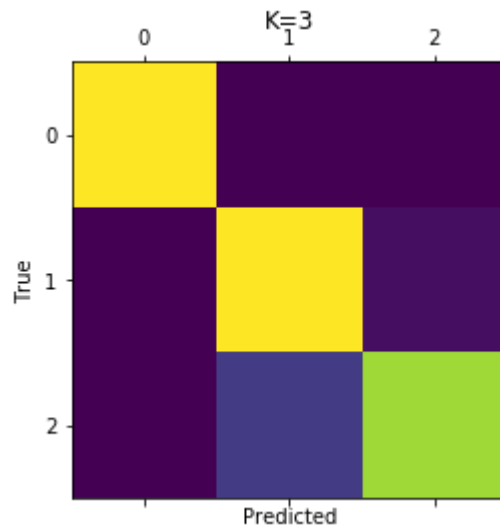
```
In [4]: # Make predictions
yPred=clf.predict(xTest)
acc=accuracy_score(yTest.astype(int), yPred.astype(int))
print('Accuracy with 3 neighbours: ',acc)
```

Accuracy with 3 neighbours: 0.93023255814

```
In [5]: def plot_conf_mat(lTrue, lPred, title):
        """ A function for plotting the confusion matrix given true and predicted
        labels."""
        cm = confusion_matrix(lTrue.astype(int), lPred.astype(int))
        print(cm)
        fig = plt.figure()
        ax = fig.add_subplot(111)
        cax = ax.matshow(cm)
        plt.title(title)
        plt.xlabel('Predicted')
        plt.ylabel('True')
        plt.show()
```

```
In [6]: plot_conf_mat(yTest, yPred, 'K=3')
```

```
[[28  0  0]
 [ 0 28  1]
 [ 0  5 24]]
```



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In [ ]:
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