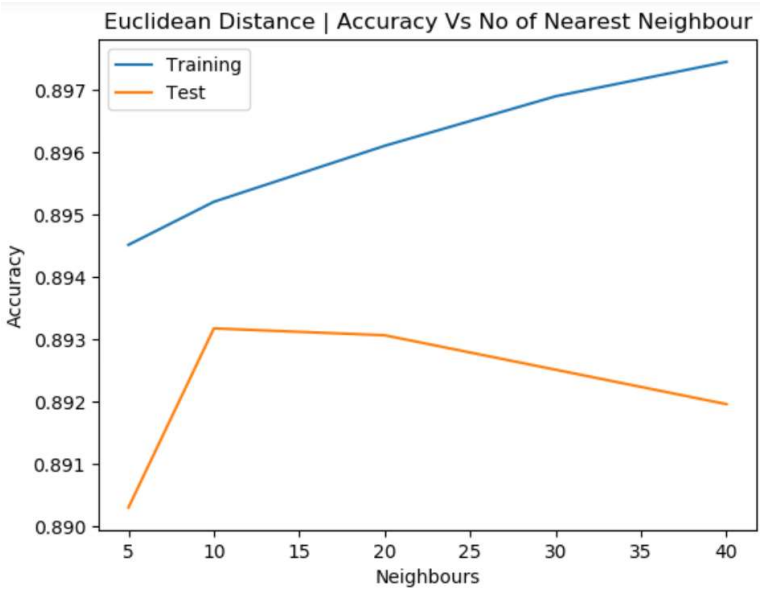
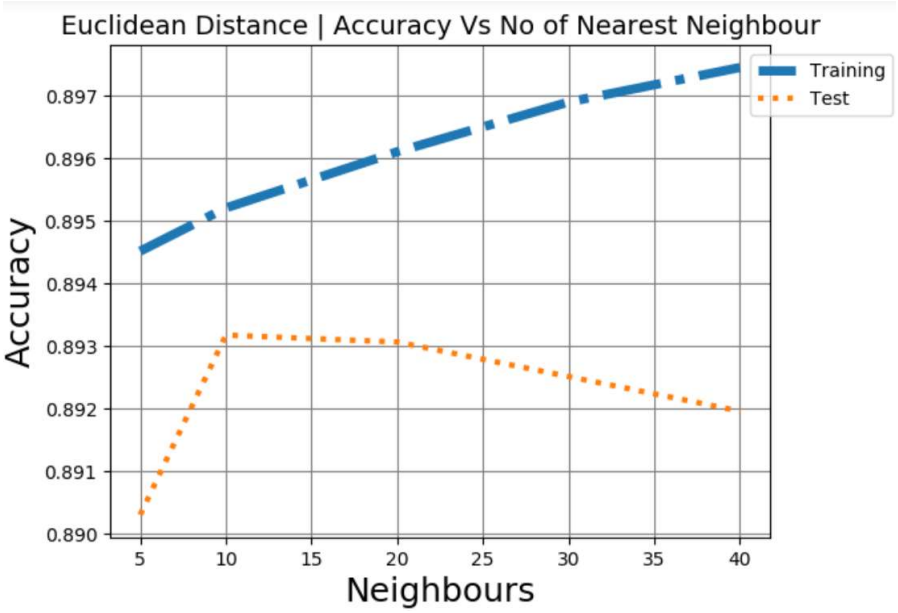
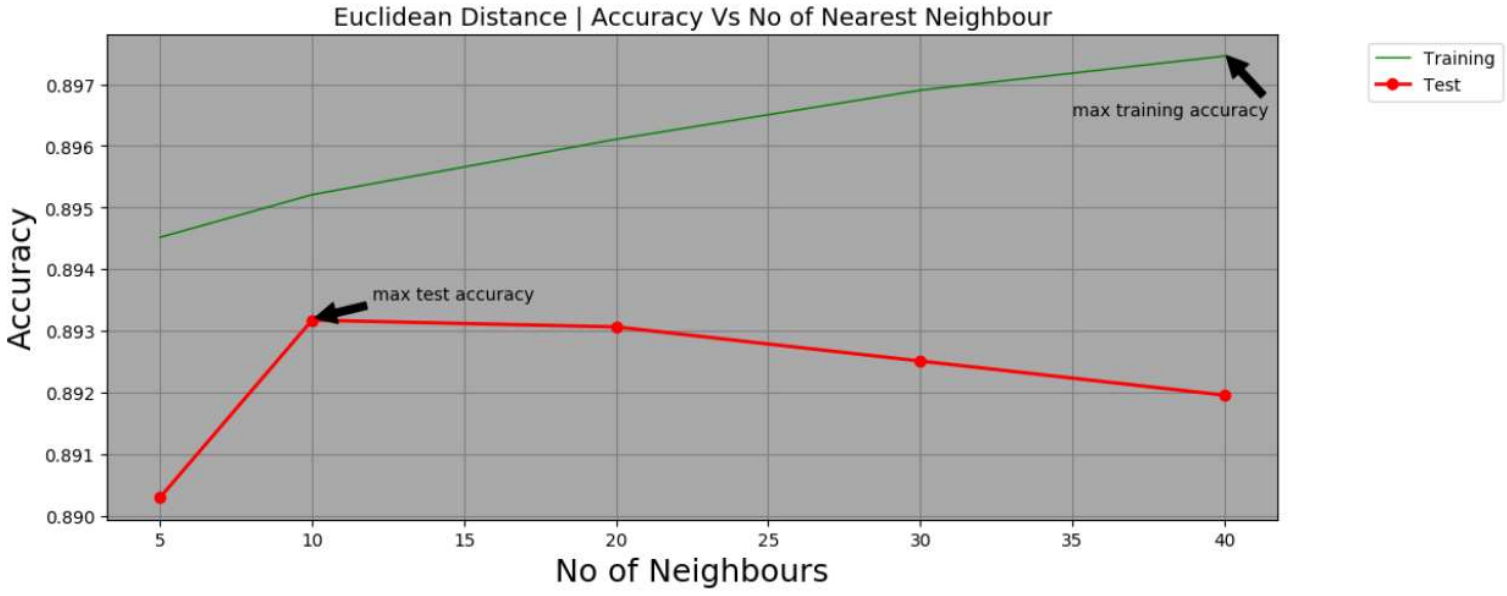

Euclidean Distance | Accuracy Vs No of Nearest Neighbour
Training
Test
Accuracy
Neighbours
0.897
0.896
0.895
0.894
0.893
0.892
0.891
0.890
5
10
15
20
25
30
35
40


Euclidean Distance | Accuracy Vs No of Nearest Neighbour
Training
Test
Accuracy
Neighbours
0.897
0.896
0.895
0.894
0.893
0.892
0.891
0.890
5
10
15
20
25
30
35
40


Euclidean Distance | Accuracy Vs No of Nearest Neighbour
Training
Test
max training accuracy
max test accuracy
Accuracy
No of Neighbours
0.897
0.896
0.895
0.894
0.893
0.892
0.891
0.890
5
10
15
20
25
30
35
40

```
plt.plot(k,Tr_Acc,label='Training')
plt.plot(k,Ts_Acc,label='Test')
plt.xlabel('Neighbours')
plt.ylabel('Accuracy')
plt.title('Euclidean Distance | Accuracy Vs No of Nearest Neighbour')
plt.legend()
plt.show
```

Plain Line Graph

```
plt.plot(k,Tr_Acc,label='Training',linestyle='dashdot',linewidth=5)
plt.plot(k,Ts_Acc,label='Test',linestyle='dotted',linewidth=3)
plt.xlabel('Neighbours',fontsize = 18)
plt.ylabel('Accuracy',fontsize = 18)
plt.title('Euclidean Distance | Accuracy Vs No of Nearest Neighbour',fontsize=14)
plt.legend(loc = 'upper right',bbox_to_anchor=(1.2, 1.0))
plt.grid(b=True , linestyle = '-' , which = 'major' , color = 'grey')
#plt.fill_between(x,0,accuracy_list_test)
plt.show
```

Modified plot 1

- Changed Linestyle
- Changed linewidth
- added grid lines
- Changed the font of X and y labels
- Changed the font of Title
- Changed the location of legend

```
plt.figure(figsize=(12,5))
ax = plt.axes()
ax.set_facecolor("darkgrey")
plt.plot(k,Tr_Acc,"g-",label='Training',linewidth=1)
plt.plot(k,Ts_Acc,"ro-",label='Test',linewidth=2)
plt.xlabel('No of Neighbours',fontsize = 18)
plt.ylabel('Accuracy',fontsize = 18)
plt.title('Euclidean Distance | Accuracy Vs No of Nearest Neighbour',fontsize=14)
plt.legend(loc = 'upper right',bbox_to_anchor=(1.2, 1.0))
plt.grid(b=True , linestyle = '-' , which = 'major' , color = 'grey')
plt.show

plt.annotate('max test accuracy', xy=(10, 0.8932), xytext=(12,0.8935),
             arrowprops=dict(facecolor='black', shrink=0.05),)
plt.annotate('max training accuracy', xy=(40, 0.8975), xytext=(35,0.8965),
             arrowprops=dict(facecolor='black', shrink=0.05),)
```

Modified Plot 2

- Changed Linestyle
- Changed linewidth
- added grid lines
- Changed the font of X and y labels
- Changed the font of Title
- Changed the location of legend
- changed the default figure size
- changed line style
- changed the background color
- added annotation