In [1]:
```
import matplotlib.pyplot as plt
import pandas as pd
```

In [2]:
```
dataset = pd.read_csv('districtwise_statistics_of_covid.csv')
```

In [3]:
```
dataset
```

Out[3]:

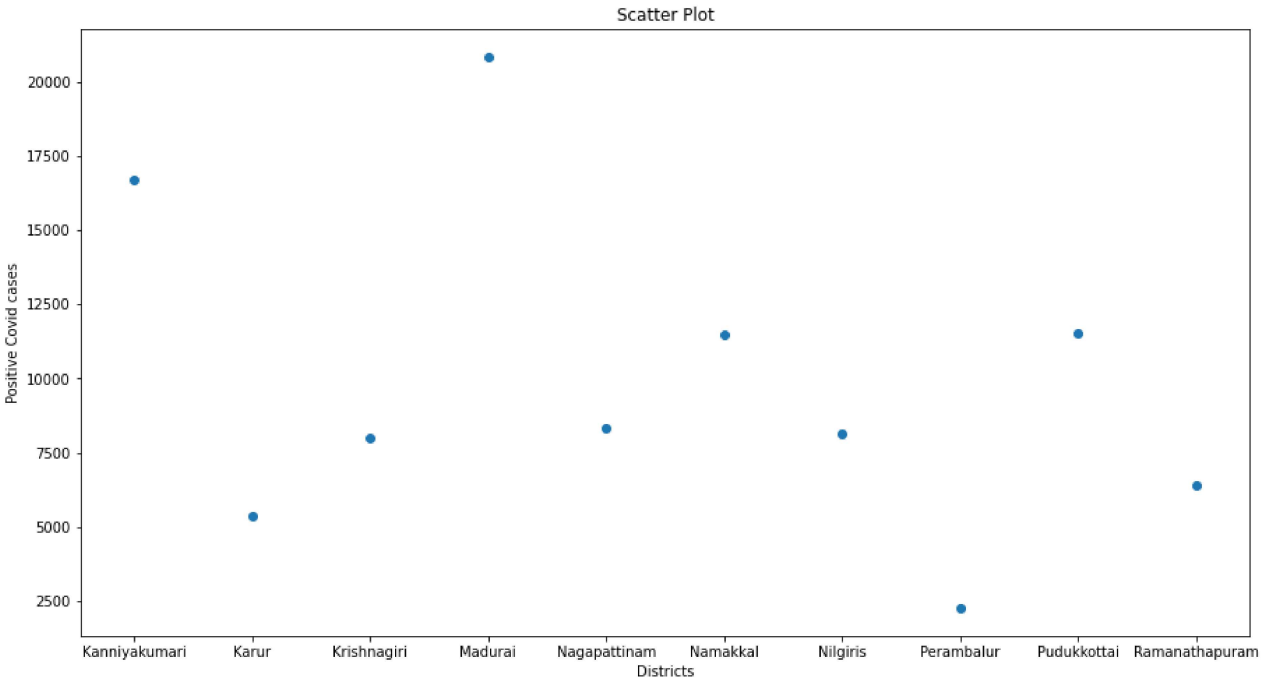
	S.No	District	Total Positive Cases as on 19.01.2021	Discharged Cases as on 19.01.2021	Active Cases as on 19.01.2021	Death Cases as on 19.01.2021
0	1	Ariyalur	4665	4608	8	49
1	2	Chengalpattu	50975	49876	342	757
2	3	Chennai	229386	223421	1893	4072
3	4	Coimbatore	53749	52531	554	664
4	5	Cuddalore	24864	24529	51	284
5	6	Dharmapuri	6540	6449	37	54
6	7	Dindigul	11138	10885	55	198
7	8	Erode	14117	13829	140	148
8	9	Kallakurichi	10861	10728	25	108
9	10	Kancheepuram	29089	28527	124	438
10	11	Kanniyakumari	16678	16306	115	257
11	12	Karur	5349	5241	58	50
12	13	Krishnagiri	8014	7836	61	117
13	14	Madurai	20839	20267	117	455
14	15	Nagapattinam	8346	8148	67	131
15	16	Namakkal	11486	11288	88	110
16	17	Nilgiris	8121	8009	65	47
17	18	Perambalur	2261	2238	2	21
18	19	Pudukkottai	11512	11313	43	156
19	20	Ramanathapuram	6393	6228	28	137
20	21	Ranipet	16049	15839	24	186
21	22	Salem	32204	31519	220	465
22	23	Sivaganga	6618	6454	38	126
23	24	Tenkasi	8354	8166	30	158
24	25	Thanjavur	17561	17146	172	243
25	26	Theni	17022	16770	47	205

	S.No	District	Total Positive Cases as on 19.01.2021	Discharged Cases as on 19.01.2021	Active Cases as on 19.01.2021	Death Cases as on 19.01.2021
26	27	Thoothukudi	16214	16024	49	141
27	28	Tiruchirappalli	14527	14239	109	179
28	29	Tirunelveli	15501	15189	100	212
29	30	Tirupathur	7541	7383	33	125
30	31	Tiruppur	17585	17163	202	220
31	32	Tiruvallur	43286	42383	217	686
32	33	Tiruvannamalai	19309	18983	43	283
33	34	Tiruvarur	11090	10928	53	109
34	35	Vellore	20590	20069	175	346
35	36	Villupuram	15120	14970	39	111
36	37	Virudhunagar	16513	16230	52	231
37	38	Airport Surveillance (International)	940	931	8	1
38	39	Airport Surveillance (Domestic)	1031	1027	3	1
39	40	Railway Surveillance	428	428	0	0
40	Total	Grand Total	831866	814098	5487	12281

In [4]:
```
x=dataset["District"]
```

In [5]:
```
y=dataset["Total Positive Cases as on 19.01.2021"]
```

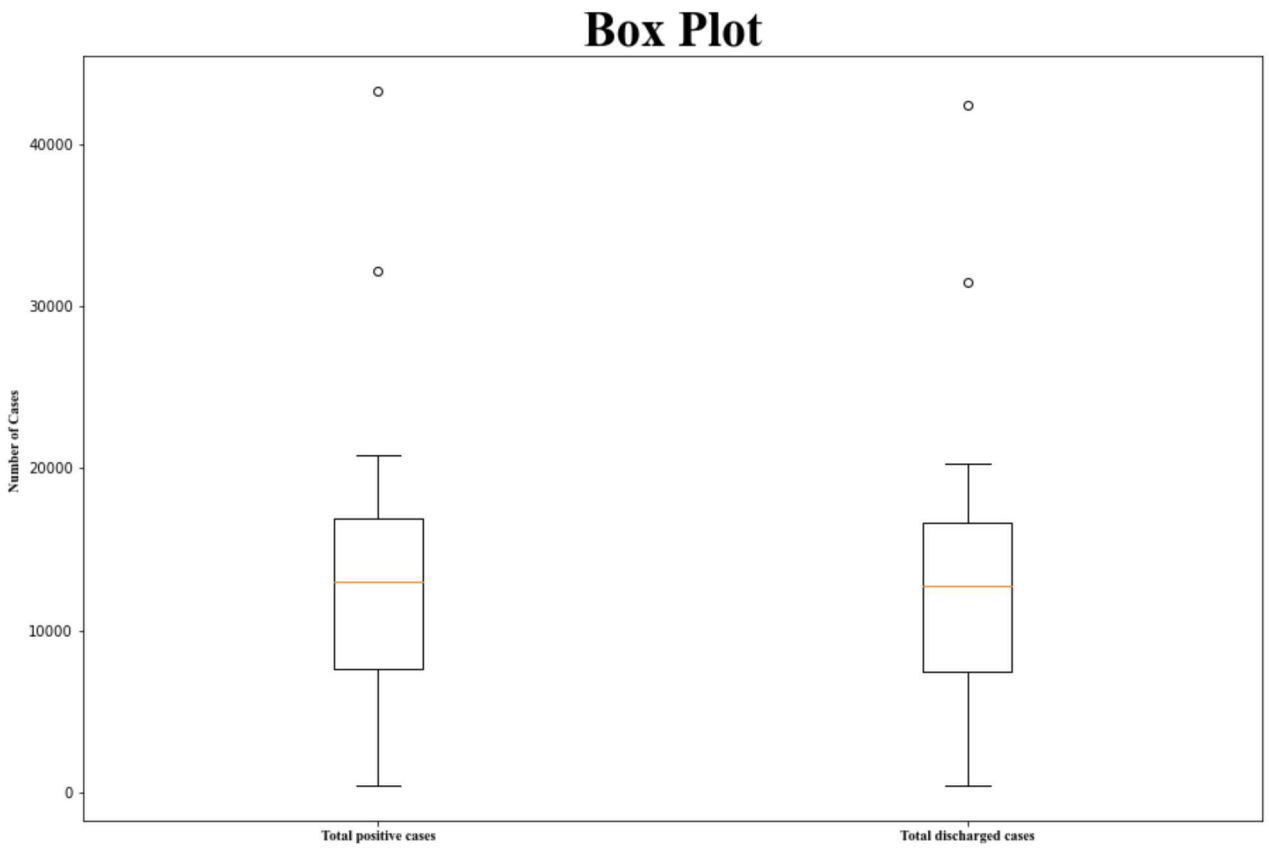
In [6]:
```
x=x[10:20]
y=y[10:20]
plt.figure(figsize=(15,8))
fig=plt.scatter(x,y)
plt.title("Scatter Plot")
plt.ylabel("Positive Covid cases")
plt.xlabel("Districts")
plt.show()
```



In [7]:

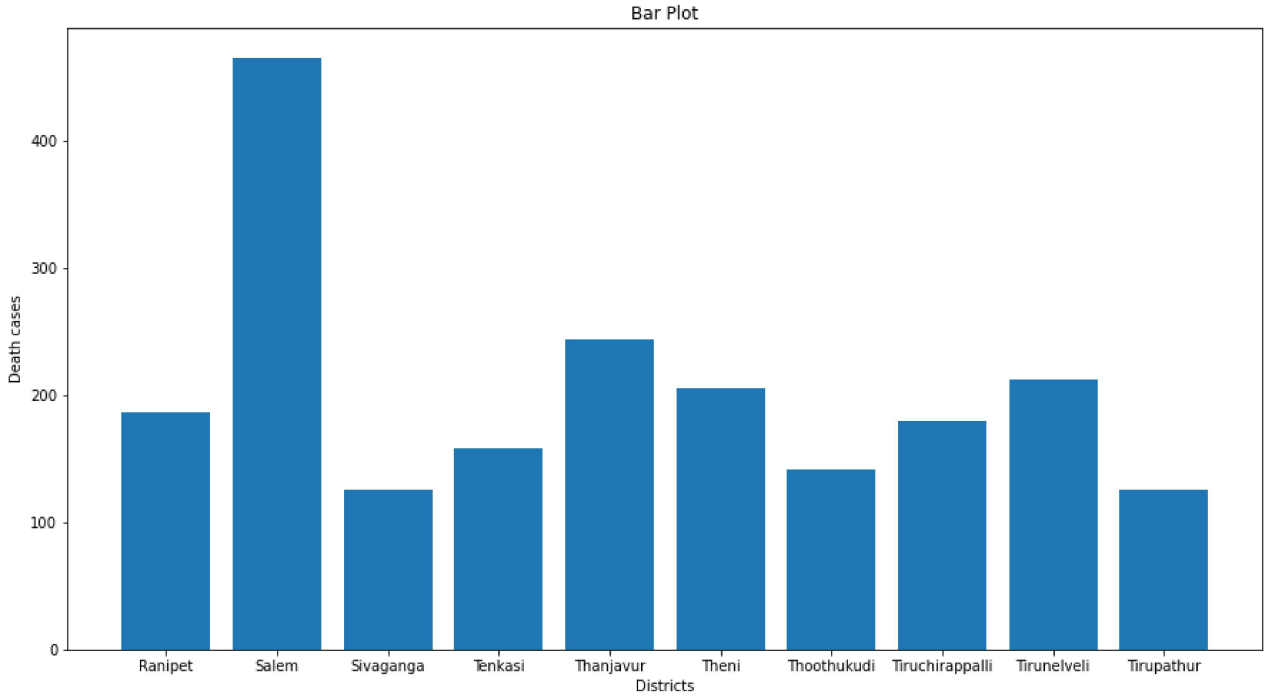
```
data1=dataset["Total Positive Cases as on 19.01.2021"]
data1=data1[10:40]
data2=dataset["Discharged Cases as on 19.01.2021"]
data2=data2[10:40]

data=[data1,data2]

fig = plt.figure(figsize =(15, 10))
ax = fig.add_subplot(111)



ax.set_xticklabels(['Total positive cases', 'Total discharged cases'], fontname="Times
plt.ylabel("Number of Cases ",fontname="Times New Roman", fontweight="bold")

# Adding title
plt.title("box plot")

plt.boxplot(data)
#plt.boxplot(y2)
plt.title('Box Plot', fontname="Times New Roman", size=35,fontweight="bold")
plt.show()
```

```
<ipython-input-7-42690c22cfe9>:13: UserWarning: FixedFormatter should only be used toget
her with FixedLocator
  ax.set_xticklabels(['Total positive cases', 'Total discharged cases'], fontname="Times
New Roman",fontweight="bold")
```



In [8]:

```
x=dataset["District"]
X=x[20:30]
Y=dataset["Death Cases as on 19.01.2021"]
Y=Y[20:30]
plt.figure(figsize=(15,8))
fig=plt.bar(X,Y)
plt.title("Bar Plot")
plt.ylabel("Death cases")
plt.xlabel("Districts")
plt.show()
```


Bar Plot
Death cases
0
100
200
300
400
Ranipet
Salem
Sivaganga
Tenkasi
Thanjavur
Theni
Thoothukudi
Tiruchirappalli
Tirunelveli
Tirupathur
Districts

In [ ]: