In [2]:

```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns
import warnings
warnings.filterwarnings('ignore')
```

In [3]:
```
# read the data
victims = pd.read_excel(r"C:\Users\Bhupendra\Desktop\DataCenter\EDA\VictimsT
victims
```

Out[3]:

	TABLE 14.2	Unnamed: 1	Unnamed: 2	Unnamed: 3	Unnamed: 4	Unnamed: 5	Unnamed: 6	Unna
0	Victims Trafficked - 2020	NaN	NaN	NaN	NaN	NaN	NaN	
1	S. No.	State/UT	Below 18 Yrs	NaN	NaN	Above 18 Yrs	NaN	
2	NaN	NaN	Male	Female	Total	Male	Female	
3	1	2	3	4	5	6	7	
4	STATES :	NaN	NaN	NaN	NaN	NaN	NaN	
5	1	Andhra Pradesh	7	16	23	8	204	
6	2	Arunachal Pradesh	4	9	13	0	0	
7	3	Assam	23	61	84	7	86	
8	4	Bihar	75	48	123	2	54	
9	5	Chhattisgarh	16	19	35	39	36	
10	6	Goa	0	1	1	0	29	
11	7	Gujarat	61	4	65	14	8	
12	8	Haryana	1	6	7	1	10	
13	9	Himachal Pradesh	2	0	2	0	11	
14	10	Jharkhand	16	98	114	37	150	
15	11	Karnataka	1	1	2	7	32	
16	12	Kerala	28	156	184	2	33	
17	13	Madhya Pradesh	15	64	79	0	53	
18	14	Maharashtra	5	44	49	1	462	
19	15	Manipur	2	2	4	1	5	
20	16	Meghalaya	0	1	1	0	1	
21	17	Mizoram	0	0	0	0	0	
22	18	Nagaland	0	0	0	0	0	
23	19	Odisha	78	81	159	376	206	
24	20	Punjab	59	6	65	2	18	
25	21	Rajasthan	762	53	815	0	3	
26	22	Sikkim	0	2	2	0	1	
27	23	Tamil Nadu	8	16	24	7	6	

	TABLE 14.2	Unnamed: 1	Unnamed: 2	Unnamed: 3	Unnamed: 4	Unnamed: 5	Unnamed: 6	Unna
28	24	Telangana	24	8	32	14	393	
29	25	Tripura	1	1	2	0	1	
30	26	Uttar Pradesh	0	61	61	0	119	
31	27	Uttarakhand	0	9	9	0	5	
32	28	West Bengal	9	44	53	1	17	
33	NaN	TOTAL STATE(S)	1197	811	2008	519	1943	
34	UNION TERRITORIES:	NaN	NaN	NaN	NaN	NaN	NaN	
35	29	A & N Islands	0	0	0	0	2	
36	30	Chandigarh	1	2	3	0	0	
37	31	DNH and Daman & Diu	0	2	2	0	0	
38	32	Delhi UT	178	24	202	15	7	
39	33	Jammu & Kashmir	1	1	2	0	0	
40	34	Ladakh	0	0	0	0	0	
41	35	Lakshadweep	0	0	0	0	0	
42	36	Puducherry	0	5	5	1	0	
43	NaN	TOTAL UT(S)	180	34	214	16	9	
44	NaN	TOTAL (ALL INDIA)	1377	845	2222	535	1952	
45	TABLE 14.2 - Page 1 of 1	NaN	NaN	NaN	NaN	NaN	NaN	
46	Note:	Human Trafficking data published is based on a...	NaN	NaN	NaN	NaN	NaN	

In [13]:
```
states = victims.iloc[5:33,1:]
ut = victims.iloc[35:43,1:]
```

In [16]:
```
col_names = ['state/ut','mb18','fb18','tb18','ma18','fa18','ta18','tm','tf',
```

In [29]:
```
states.columns = col_names
ut.columns = col_names

states.head()
```

Out[29]:

	state/ut	mb18	fb18	tb18	ma18	fa18	ta18	tm	tf	total
0	Andhra Pradesh	7	16	23	8	204	212	15	220	235
1	Arunachal Pradesh	4	9	13	0	0	0	4	9	13
2	Assam	23	61	84	7	86	93	30	147	177
3	Bihar	75	48	123	2	54	56	77	102	179
4	Chhattisgarh	16	19	35	39	36	75	55	55	110

In [30]:
```
ut.head()
```

Out[30]:

	state/ut	mb18	fb18	tb18	ma18	fa18	ta18	tm	tf	total
0	A & N Islands	0	0	0	0	2	2	0	2	2
1	Chandigarh	1	2	3	0	0	0	1	2	3
2	DNH and Daman & Diu	0	2	2	0	0	0	0	2	2
3	Delhi UT	178	24	202	15	7	22	193	31	224
4	Jammu & Kashmir	1	1	2	0	0	0	1	1	2

In [31]:
```
states.reset_index(drop = True, inplace = True)
ut.reset_index(drop = True, inplace = True)
```

In [32]:
```
1 states
```

Out[32]:

	state/ut	mb18	fb18	tb18	ma18	fa18	ta18	tm	tf	total
0	Andhra Pradesh	7	16	23	8	204	212	15	220	235
1	Arunachal Pradesh	4	9	13	0	0	0	4	9	13
2	Assam	23	61	84	7	86	93	30	147	177
3	Bihar	75	48	123	2	54	56	77	102	179
4	Chhattisgarh	16	19	35	39	36	75	55	55	110
5	Goa	0	1	1	0	29	29	0	30	30
6	Gujarat	61	4	65	14	8	22	75	12	87
7	Haryana	1	6	7	1	10	11	2	16	18
8	Himachal Pradesh	2	0	2	0	11	11	2	11	13
9	Jharkhand	16	98	114	37	150	187	53	248	301
10	Karnataka	1	1	2	7	32	39	8	33	41
11	Kerala	28	156	184	2	33	35	30	189	219
12	Madhya Pradesh	15	64	79	0	53	53	15	117	132
13	Maharashtra	5	44	49	1	462	463	6	506	512
14	Manipur	2	2	4	1	5	6	3	7	10
15	Meghalaya	0	1	1	0	1	1	0	2	2
16	Mizoram	0	0	0	0	0	0	0	0	0
17	Nagaland	0	0	0	0	0	0	0	0	0
18	Odisha	78	81	159	376	206	582	454	287	741
19	Punjab	59	6	65	2	18	20	61	24	85
20	Rajasthan	762	53	815	0	3	3	762	56	818
21	Sikkim	0	2	2	0	1	1	0	3	3
22	Tamil Nadu	8	16	24	7	6	13	15	22	37
23	Telangana	24	8	32	14	393	407	38	401	439
24	Tripura	1	1	2	0	1	1	1	2	3
25	Uttar Pradesh	0	61	61	0	119	119	0	180	180
26	Uttarakhand	0	9	9	0	5	5	0	14	14
27	West Bengal	9	44	53	1	17	18	10	61	71

In [34]:
```
1 states.to_csv('states_victims.csv')
```

In [33]:
```
1 ut
```

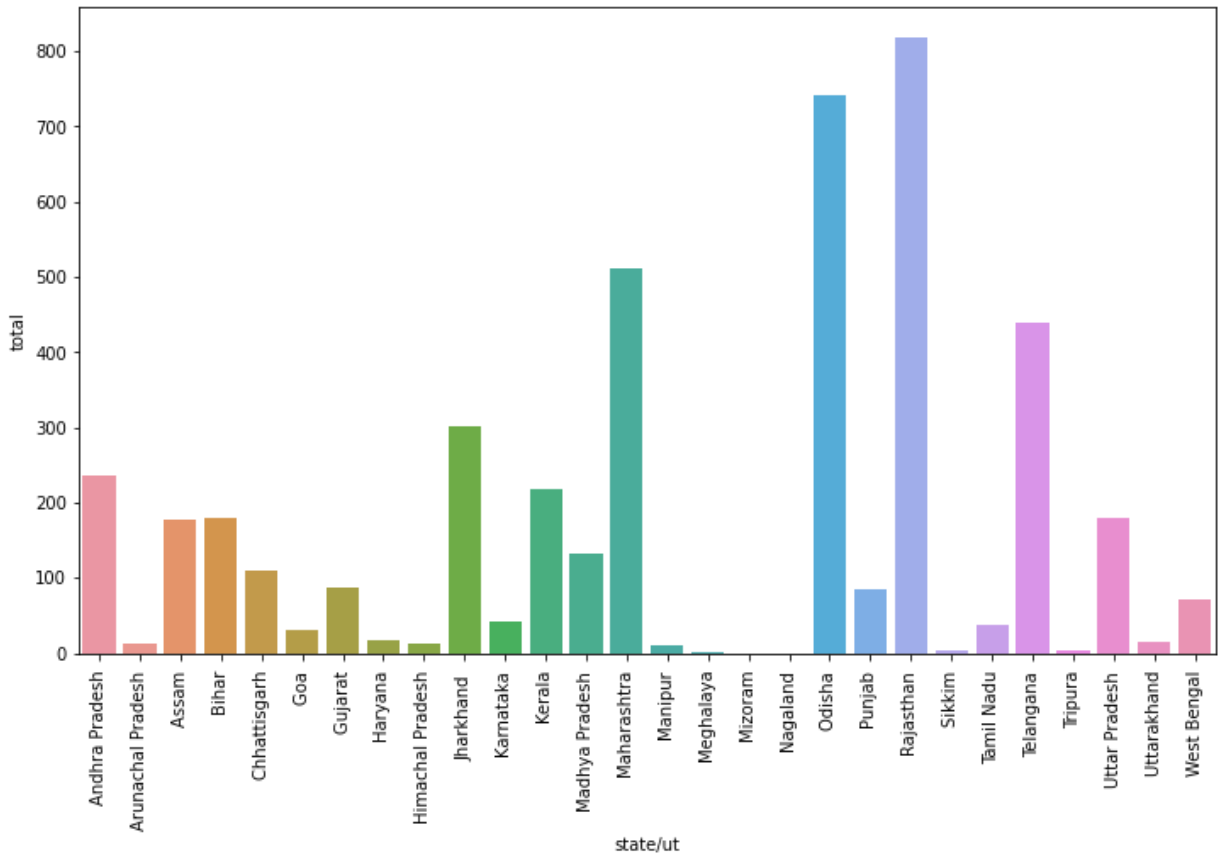
Out[33]:

	state/ut	mb18	fb18	tb18	ma18	fa18	ta18	tm	tf	total
0	A & N Islands	0	0	0	0	2	2	0	2	2
1	Chandigarh	1	2	3	0	0	0	1	2	3
2	DNH and Daman & Diu	0	2	2	0	0	0	0	2	2
3	Delhi UT	178	24	202	15	7	22	193	31	224
4	Jammu & Kashmir	1	1	2	0	0	0	1	1	2
5	Ladakh	0	0	0	0	0	0	0	0	0
6	Lakshadweep	0	0	0	0	0	0	0	0	0
7	Puducherry	0	5	5	1	0	1	1	5	6

In [36]:
```
1 ut.to_csv('ut_victims.csv')
```

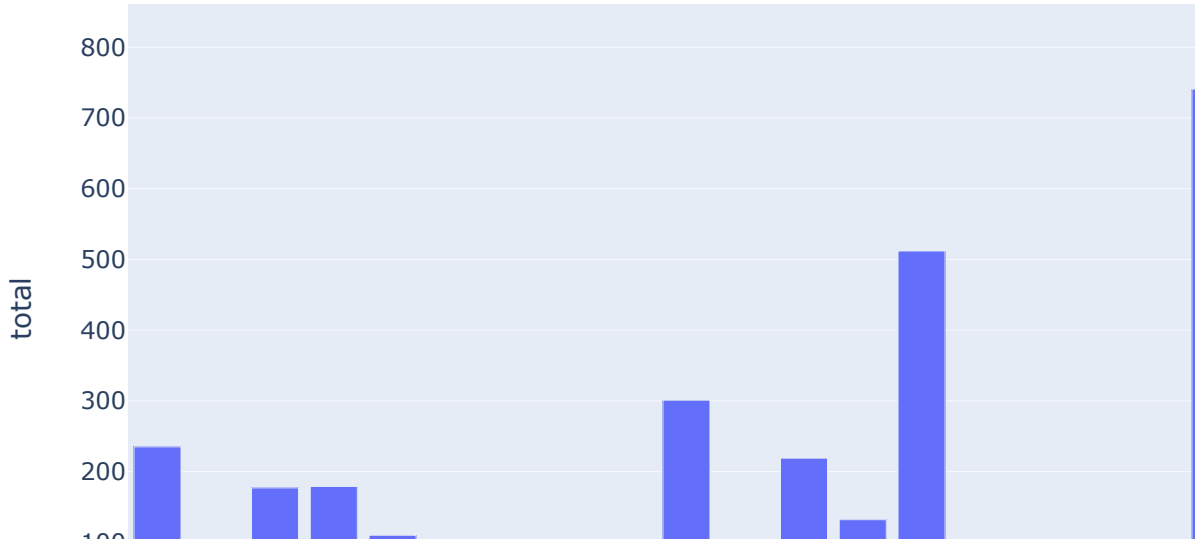
Visualizing

In [59]:
```
plt.figure(figsize = (12,7))
sns.barplot( states['state/ut'],states['total'] )
plt.xticks(rotation = 90)
plt.show()
```



In [61]:
```
import plotly.express as px
```

In [79]:
```
1 px.bar(data_frame = states, x = "state/ut", y = 'total', hover_data = ['tm',
```



In [ ]:
```
1
2
```