try

October 8, 2025

1 Assignment 8

Note: use appropriate labels, title and legend for each chart

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

1.1 Q1.

Draw line & bar charts to show urban and rural population of India over the years using population.csv [rural population is the difference between total population and urban population][For bar chart consider 8 yrs data]

[2]:
```
pop_df=pd.read_csv('Population.csv')
pop_df
```

[2]:

	Year	Population	Yearly % Change	Yearly Change	Median Age	\
0	1955	387700887	2.29%	8284413	19.7	
1	1960	435990338	2.38%	9657890	19.2	
2	1965	490140146	2.37%	10829962	18.5	
3	1970	545864268	2.18%	11144824	18.1	
4	1975	611309535	2.29%	13089053	18.4	
5	1980	687354025	2.37%	15208898	18.9	
6	1985	772647793	2.37%	17058754	19.3	
7	1990	864972221	2.28%	18464886	19.7	
8	1995	960301044	2.11%	19065765	20.3	
9	2000	1057922733	1.96%	19524338	21.2	
10	2005	1154676322	1.77%	19350718	22.2	
11	2010	1243481564	1.49%	17761048	23.6	
12	2015	1328024498	1.32%	16908587	25.3	
13	2020	1402617695	1.10%	14918639	27.0	
14	2022	1425423212	0.81%	11402759	27.7	
15	2023	1438069596	0.89%	12646384	28.1	
16	2024	1450935791	0.89%	12866195	28.4	
17	2025	1463865525	0.89%	12929734	28.8	

	Fertility Rate	Density	Urban Pop %	Urban Population	Country's Share	\
0	5.91	130	18.60%	71958495	14.15%	

1	5.92	147	18.50%	80565723	14.46%
2	5.94	165	19.10%	93493844	14.70%
3	5.62	184	20.00%	109388950	14.77%
4	5.20	206	21.70%	132533810	15.02%
5	4.78	231	23.40%	160941941	15.45%
6	4.43	260	24.60%	190321782	15.87%
7	4.04	291	25.70%	222296728	16.24%
8	3.65	323	26.60%	255558824	16.68%
9	3.35	356	27.50%	291350282	17.14%
10	2.96	388	29.00%	334479406	17.53%
11	2.60	418	30.60%	380744554	17.71%
12	2.29	447	32.30%	429069459	17.78%
13	2.05	472	34.40%	483098640	17.78%
14	1.99	479	35.50%	506304869	17.77%
15	1.98	484	36.00%	518239122	17.77%
16	1.96	488	36.60%	530387142	17.78%
17	1.94	492	37.10%	542742539	17.78%

	World Population
0	2740213792
1	3015470894
2	3334533703
3	3694683794
4	4070735277
5	4447606236
6	4868943465
7	5327803110
8	5758878982
9	6171702993
10	6586970132
11	7021732148
12	7470491872
13	7887001292
14	8021407192
15	8091734930
16	8161972572
17	8231613070

1.2 Q2.

Using gapminder.csv show life expectancy of top 10 highly populated countries from Asia

[ ]:

1.3 Q3.

Using a pie chart show distribution of top six selling cars [Create data as required]

[ ]:

1.4 Q4.

Using Histogram show distribution of developers by their experience [use survey_data_sample.csv]

[ ]: