Unemployment and Wage Disparities 2017 – 18

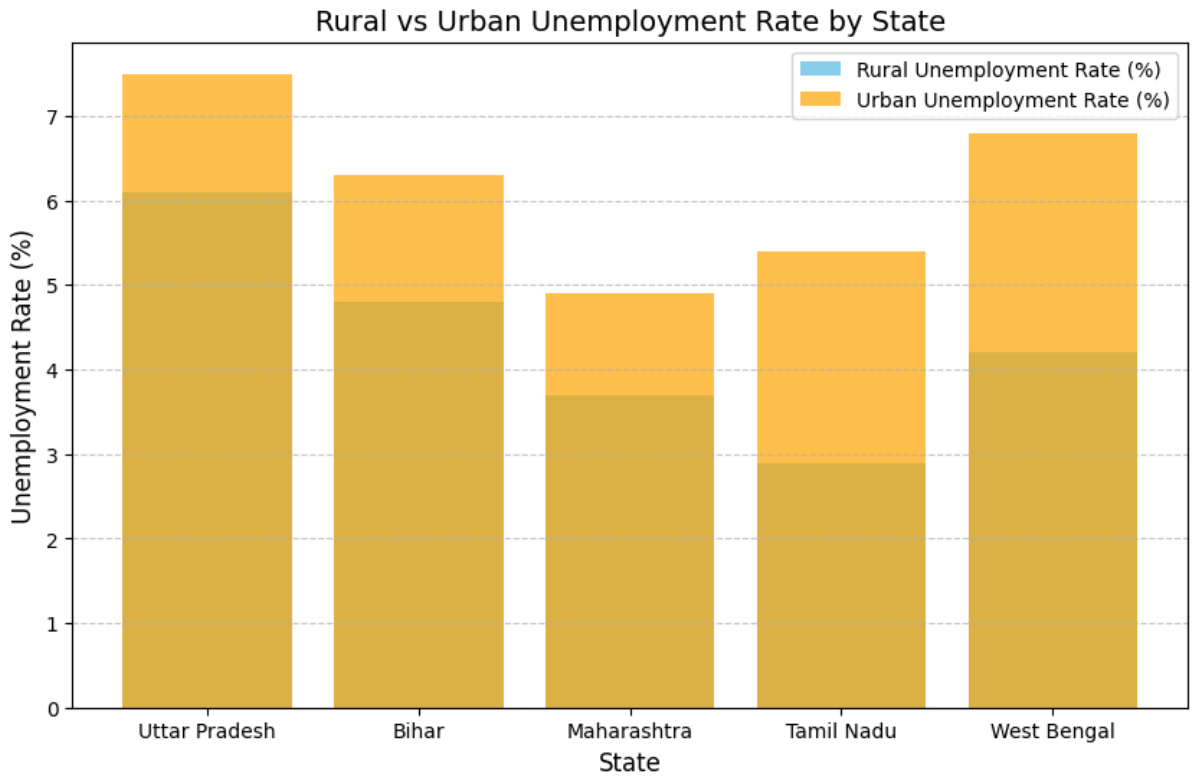
State	Rural Unemployment Rate (%)	Urban Unemployment Rate (%)	Youth Unemployment Rate (%)	Male Avg. Monthly Wage (₹)	Female Avg. Monthly Wage (₹)	Wage Gap (%)	Informal Sector Share (%)
Uttar Pradesh	6.1	7.5	18.3	12,000	8,500	29.2	72.5
Bihar	4.8	6.3	15.7	10,500	7,000	33.3	78.0
Maharashtra	3.7	4.9	14.5	16,500	12,000	27.3	68.2
Tamil Nadu	2.9	5.4	12.6	14,200	10,800	23.9	65.5
West Bengal	4.2	6.8	17.0	13,000	9,200	29.2	70.0

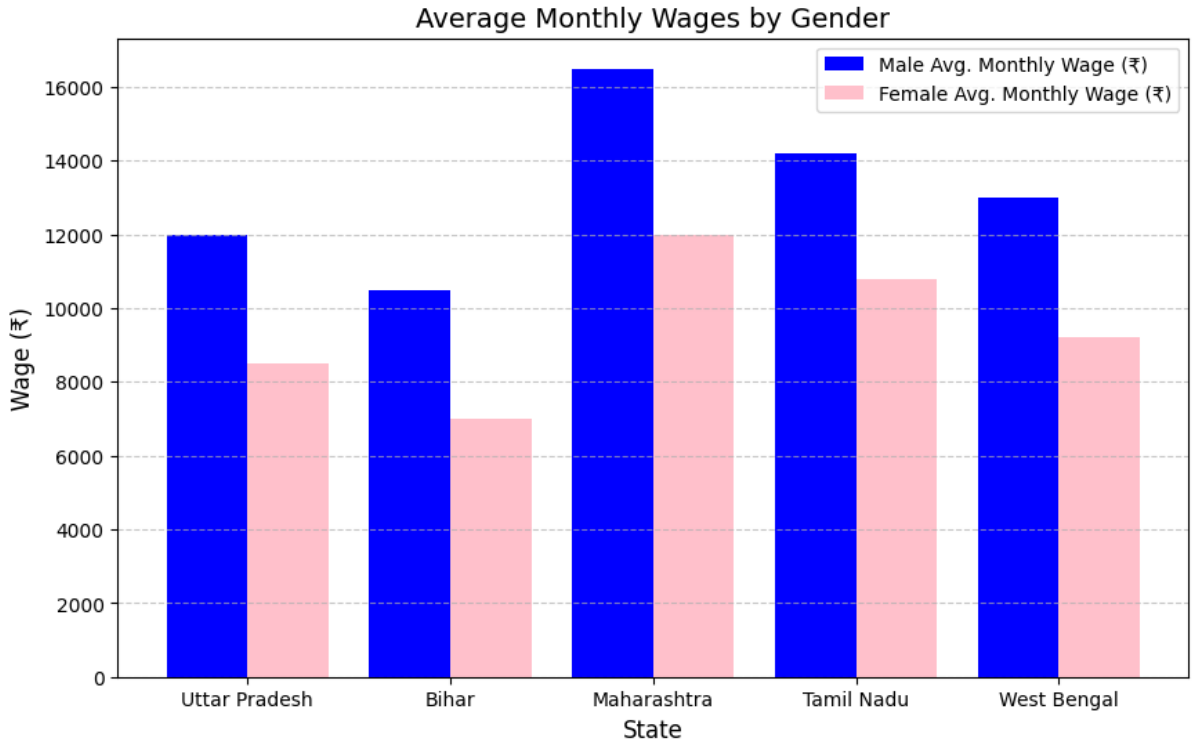
CODE:-

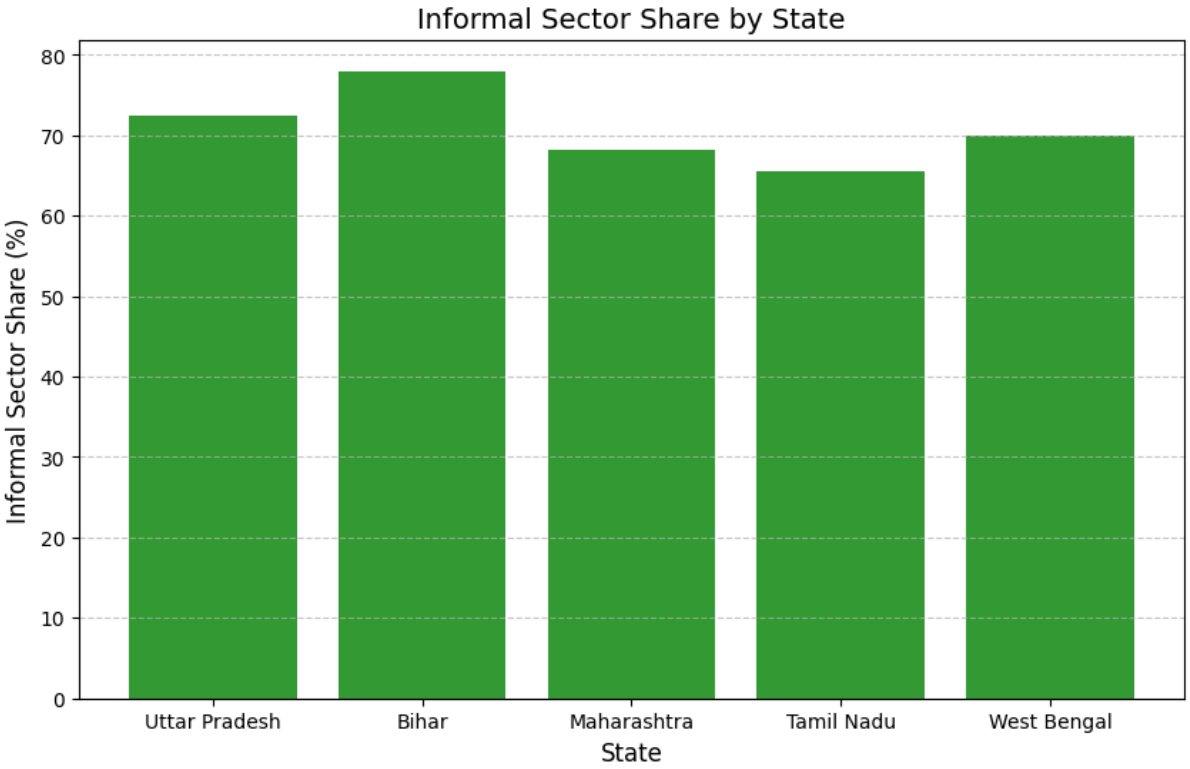
```
import matplotlib.pyplot as plt
import pandas as pd

data = {
    "State": ["Uttar Pradesh", "Bihar", "Maharashtra", "Tamil Nadu", "West Bengal"],
    "Rural Unemployment Rate (%)": [6.1, 4.8, 3.7, 2.9, 4.2],
    "Urban Unemployment Rate (%)": [7.5, 6.3, 4.9, 5.4, 6.8],
    "Youth Unemployment Rate (%)": [18.3, 15.7, 14.5, 12.6, 17.0],
    "Male Avg. Monthly Wage (₹)": [12000, 10500, 16500, 14200, 13000],
    "Female Avg. Monthly Wage (₹)": [8500, 7000, 12000, 10800, 9200],
    "Wage Gap (%)": [29.2, 33.3, 27.3, 23.9, 29.2],
    "Informal Sector Share (%)": [72.5, 78.0, 68.2, 65.5, 70.0]
}

df = pd.DataFrame(data)
```

```
plt.figure(figsize=(10, 6))

plt.bar(df["State"], df["Rural Unemployment Rate (%)"], color='skyblue', label='Rural Unemployment Rate (%)')

plt.bar(df["State"], df["Urban Unemployment Rate (%)"], color='orange', alpha=0.7, label='Urban Unemployment Rate (%)')

plt.title("Rural vs Urban Unemployment Rate by State", fontsize=14)

plt.ylabel("Unemployment Rate (%)", fontsize=12)

plt.xlabel("State", fontsize=12)

plt.legend()

plt.grid(axis='y', linestyle='--', alpha=0.7)

plt.show()


plt.figure(figsize=(10, 6))

x = range(len(df["State"]))

plt.bar(x, df["Male Avg. Monthly Wage (₹)"], width=0.4, label='Male Avg. Monthly Wage (₹)', color='blue', align='center')

plt.bar([p + 0.4 for p in x], df["Female Avg. Monthly Wage (₹)"], width=0.4, label='Female Avg. Monthly Wage (₹)', color='pink', align='center')

plt.xticks([p + 0.2 for p in x], df["State"])

plt.title("Average Monthly Wages by Gender", fontsize=14)

plt.ylabel("Wage (₹)", fontsize=12)

plt.xlabel("State", fontsize=12)

plt.legend()

plt.grid(axis='y', linestyle='--', alpha=0.7)

plt.show()


plt.figure(figsize=(10, 6))

plt.bar(df["State"], df["Informal Sector Share (%)"], color='green', alpha=0.8)

plt.title("Informal Sector Share by State", fontsize=14)

plt.ylabel("Informal Sector Share (%)", fontsize=12)

plt.xlabel("State", fontsize=12)
```

```
plt.grid(axis='y', linestyle='--', alpha=0.7)

plt.show()
```






Informal Sector Share by State
Informal Sector Share (%)
0
10
20
30
40
50
60
70
80
Uttar Pradesh
Bihar
Maharashtra
Tamil Nadu
West Bengal
State

Unemployment and Wage Disparities 2018 – 19

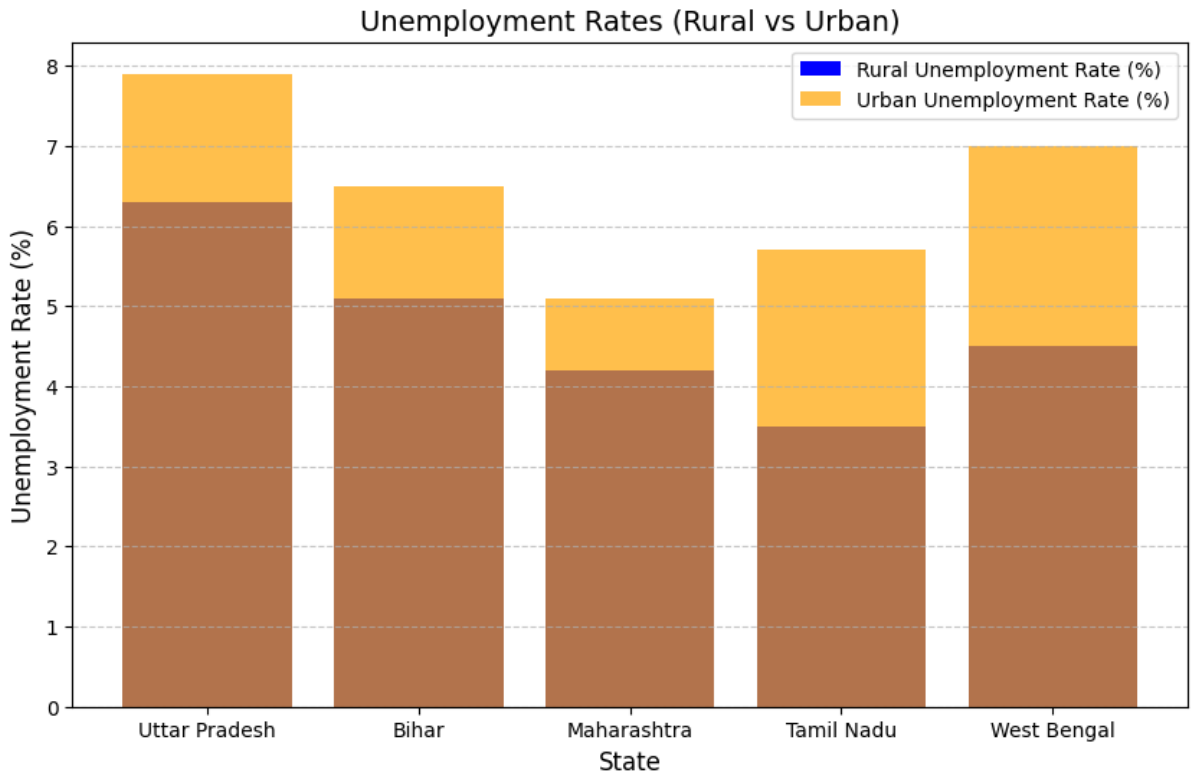
State	Rural Unemployment Rate (%)	Urban Unemployment Rate (%)	Youth Unemployment Rate (%)	Male Avg. Monthly Wage (₹)	Female Avg. Monthly Wage (₹)	Wage Gap (%)	Informal Sector Share (%)
Uttar Pradesh	6.3	7.9	19.2	12,500	9,200	26.4	74.2
Bihar	5.1	6.5	16.5	11,200	8,500	24.1	79.0
Maharashtra	4.2	5.1	15.3	17,000	13,500	20.6	70.1
Tamil Nadu	3.5	5.7	13.0	15,000	11,500	23.3	66.8
West Bengal	4.5	7.0	17.8	13,500	10,000	25.9	71.2

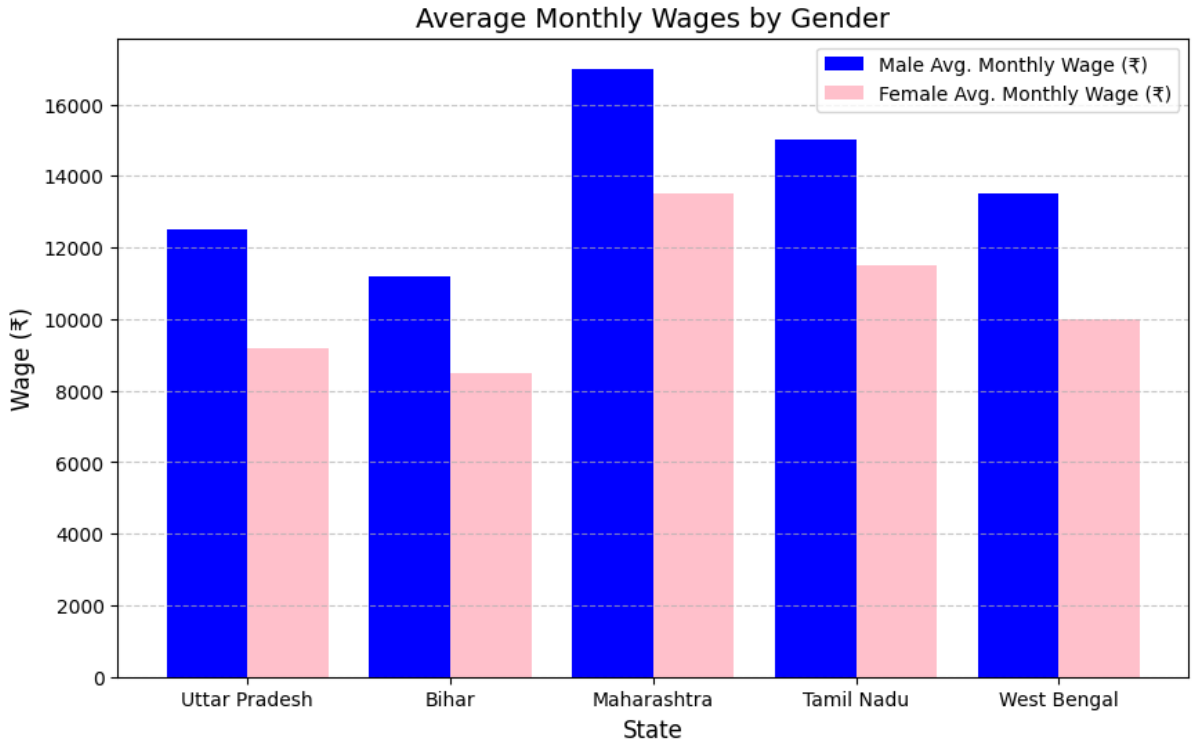
CODE:-

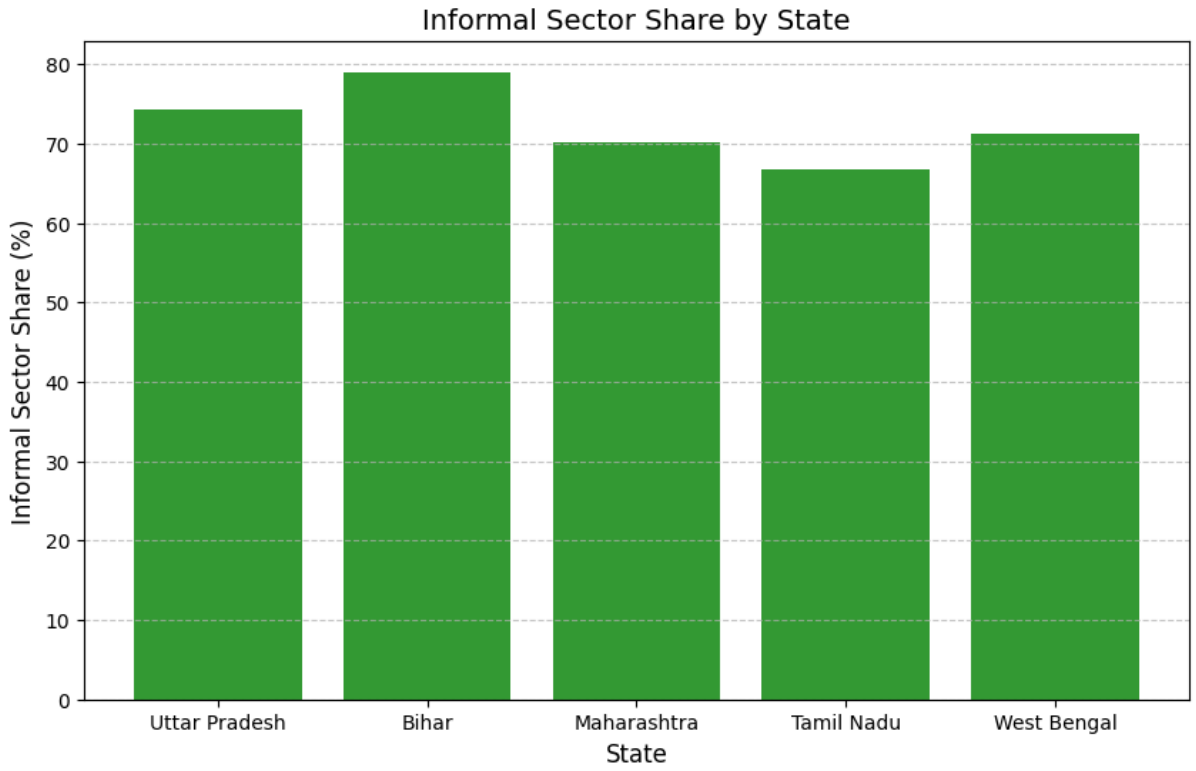
```
import matplotlib.pyplot as plt
import pandas as pd

data = {
    "State": ["Uttar Pradesh", "Bihar", "Maharashtra", "Tamil Nadu", "West Bengal"],
    "Rural Unemployment Rate (%)": [6.3, 5.1, 4.2, 3.5, 4.5],
    "Urban Unemployment Rate (%)": [7.9, 6.5, 5.1, 5.7, 7.0],
    "Youth Unemployment Rate (%)": [19.2, 16.5, 15.3, 13.0, 17.8],
    "Male Avg. Monthly Wage (₹)": [12500, 11200, 17000, 15000, 13500],
    "Female Avg. Monthly Wage (₹)": [9200, 8500, 13500, 11500, 10000],
    "Wage Gap (%)": [26.4, 24.1, 20.6, 23.3, 25.9],
    "Informal Sector Share (%)": [74.2, 79.0, 70.1, 66.8, 71.2]
}
```

```
df = pd.DataFrame(data)


plt.figure(figsize=(10, 6))
plt.bar(df["State"], df["Rural Unemployment Rate (%)"], color='blue', label='Rural Unemployment Rate (%)')
plt.bar(df["State"], df["Urban Unemployment Rate (%)"], color='orange', alpha=0.7, label='Urban Unemployment Rate (%)')
plt.title("Unemployment Rates (Rural vs Urban)", fontsize=14)
plt.ylabel("Unemployment Rate (%)", fontsize=12)
plt.xlabel("State", fontsize=12)
plt.legend()
plt.grid(axis='y', linestyle='--', alpha=0.7)
plt.show()


plt.figure(figsize=(10, 6))
x = range(len(df["State"]))
plt.bar(x, df["Male Avg. Monthly Wage (₹)"], width=0.4, label='Male Avg. Monthly Wage (₹)', color='blue', align='center')
plt.bar([p + 0.4 for p in x], df["Female Avg. Monthly Wage (₹)"], width=0.4, label='Female Avg. Monthly Wage (₹)', color='pink', align='center')
plt.xticks([p + 0.2 for p in x], df["State"])
plt.title("Average Monthly Wages by Gender", fontsize=14)
plt.ylabel("Wage (₹)", fontsize=12)
plt.xlabel("State", fontsize=12)
plt.legend()
plt.grid(axis='y', linestyle='--', alpha=0.7)
plt.show()


plt.figure(figsize=(10, 6))
plt.bar(df["State"], df["Informal Sector Share (%)"], color='green', alpha=0.8)
plt.title("Informal Sector Share by State", fontsize=14)
plt.ylabel("Informal Sector Share (%)", fontsize=12)
```

```
plt.xlabel("State", fontsize=12)
plt.grid(axis='y', linestyle='--', alpha=0.7)
plt.show()
```






Informal Sector Share by State
Informal Sector Share (%)
0
10
20
30
40
50
60
70
80
Uttar Pradesh
Bihar
Maharashtra
Tamil Nadu
West Bengal
State

Unemployment and Wage Disparities 2019 – 20

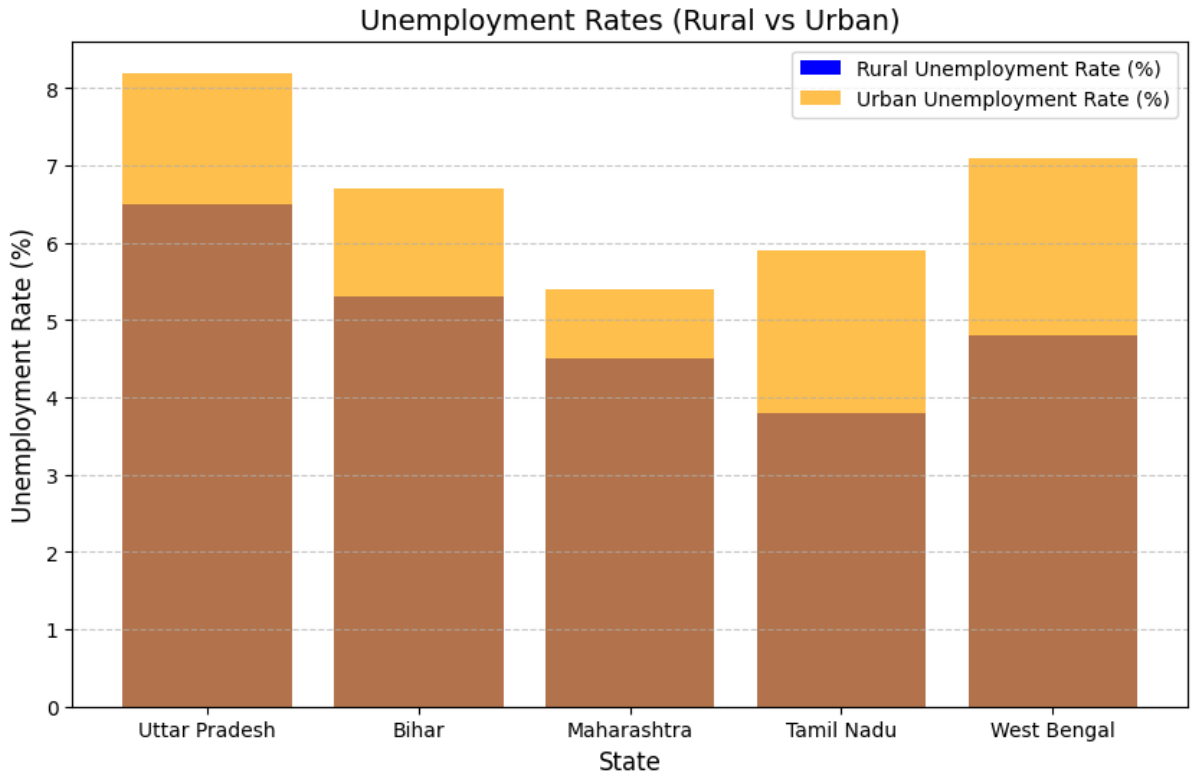
State	Rural Unemployment Rate (%)	Urban Unemployment Rate (%)	Youth Unemployment Rate (%)	Male Avg. Monthly Wage (₹)	Female Avg. Monthly Wage (₹)	Wage Gap (%)	Informal Sector Share (%)
Uttar Pradesh	6.5	8.2	18.9	13,000	9,500	26.9	75.0
Bihar	5.3	6.7	16.8	11,500	8,700	24.3	78.2
Maharashtra	4.5	5.4	15.6	17,500	14,000	20.0	71.0
Tamil Nadu	3.8	5.9	13.5	15,500	12,000	22.6	68.5
West Bengal	4.8	7.1	18.1	14,500	11,200	22.8	73.0

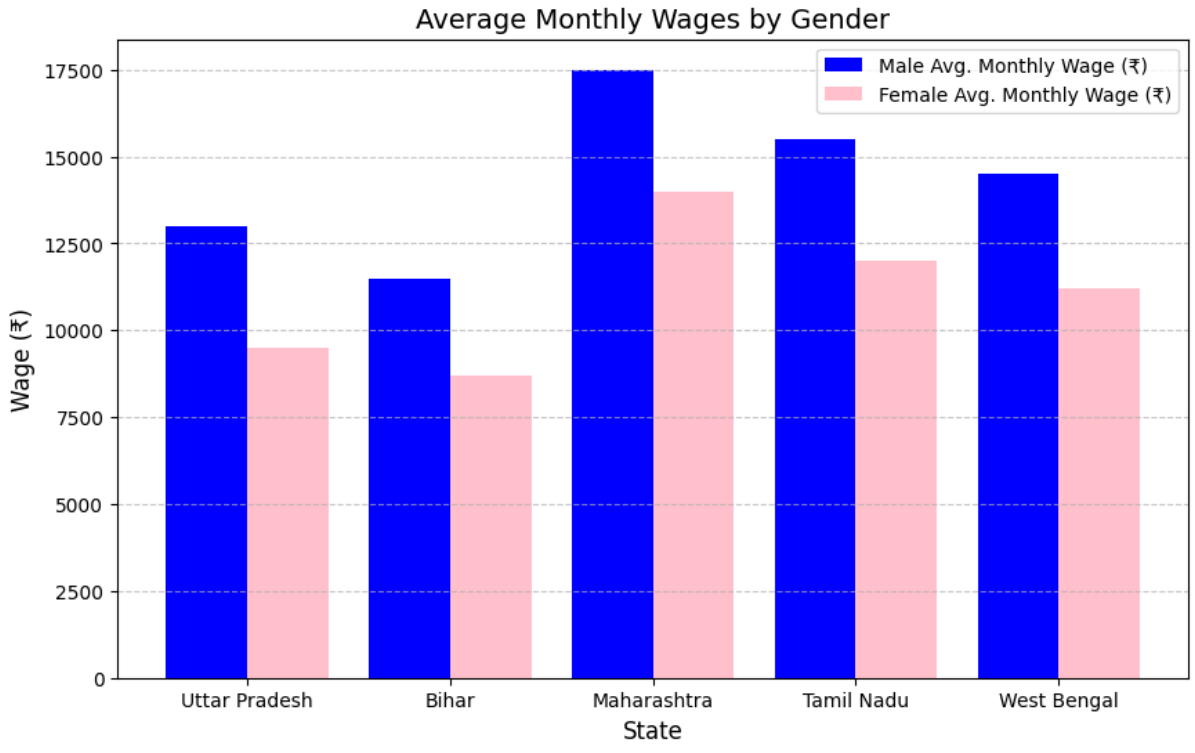
CODE:-

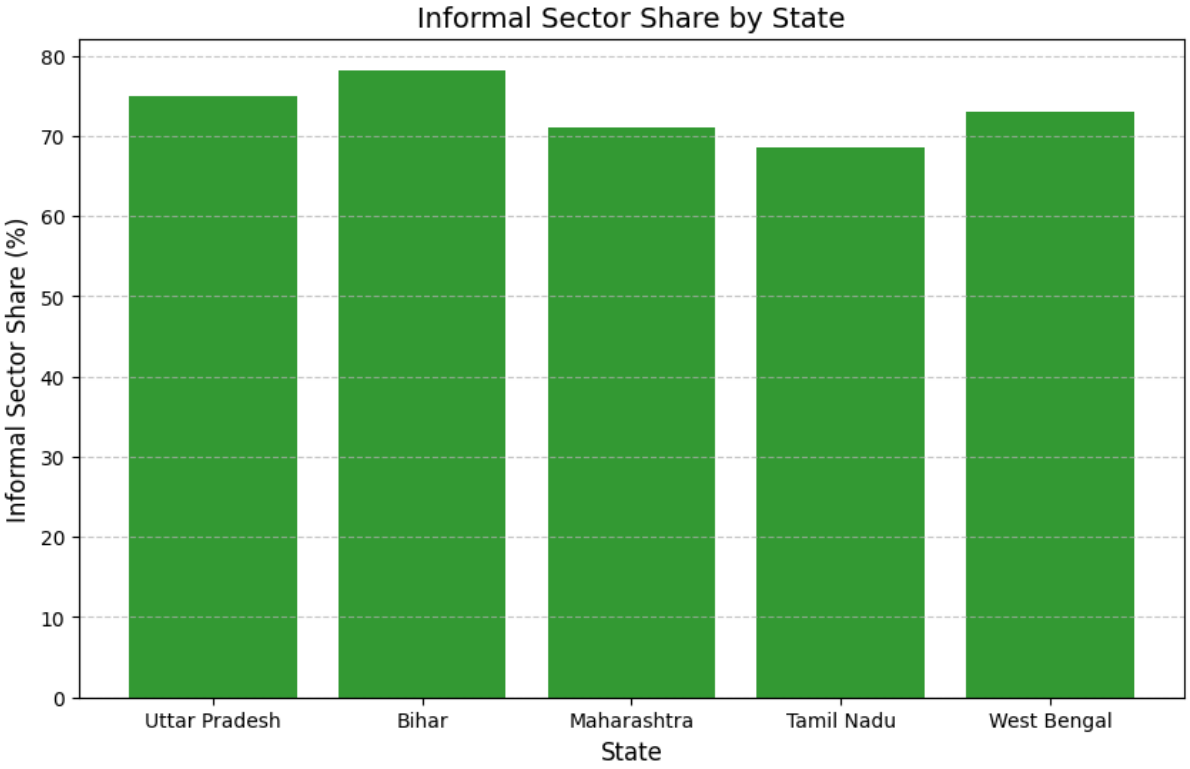
```
import matplotlib.pyplot as plt
import pandas as pd

data = {
    "State": ["Uttar Pradesh", "Bihar", "Maharashtra", "Tamil Nadu", "West Bengal"],
    "Rural Unemployment Rate (%)": [6.5, 5.3, 4.5, 3.8, 4.8],
    "Urban Unemployment Rate (%)": [8.2, 6.7, 5.4, 5.9, 7.1],
    "Youth Unemployment Rate (%)": [18.9, 16.8, 15.6, 13.5, 18.1],
    "Male Avg. Monthly Wage (₹)": [13000, 11500, 17500, 15500, 14500],
    "Female Avg. Monthly Wage (₹)": [9500, 8700, 14000, 12000, 11200],
    "Wage Gap (%)": [26.9, 24.3, 20.0, 22.6, 22.8],
    "Informal Sector Share (%)": [75.0, 78.2, 71.0, 68.5, 73.0]
}
```

```
df = pd.DataFrame(data)


plt.figure(figsize=(10, 6))
plt.bar(df["State"], df["Rural Unemployment Rate (%)"], color='blue', label='Rural Unemployment Rate (%)')
plt.bar(df["State"], df["Urban Unemployment Rate (%)"], color='orange', alpha=0.7, label='Urban Unemployment Rate (%)')
plt.title("Unemployment Rates (Rural vs Urban)", fontsize=14)
plt.ylabel("Unemployment Rate (%)", fontsize=12)
plt.xlabel("State", fontsize=12)
plt.legend()
plt.grid(axis='y', linestyle='--', alpha=0.7)
plt.show()


plt.figure(figsize=(10, 6))
x = range(len(df["State"]))
plt.bar(x, df["Male Avg. Monthly Wage (₹)"], width=0.4, label='Male Avg. Monthly Wage (₹)', color='blue', align='center')
plt.bar([p + 0.4 for p in x], df["Female Avg. Monthly Wage (₹)"], width=0.4, label='Female Avg. Monthly Wage (₹)', color='pink', align='center')
plt.xticks([p + 0.2 for p in x], df["State"])
plt.title("Average Monthly Wages by Gender", fontsize=14)
plt.ylabel("Wage (₹)", fontsize=12)
plt.xlabel("State", fontsize=12)
plt.legend()
plt.grid(axis='y', linestyle='--', alpha=0.7)
plt.show()


plt.figure(figsize=(10, 6))
plt.bar(df["State"], df["Informal Sector Share (%)"], color='green', alpha=0.8)
plt.title("Informal Sector Share by State", fontsize=14)
plt.ylabel("Informal Sector Share (%)", fontsize=12)
```

```
plt.xlabel("State", fontsize=12)
plt.grid(axis='y', linestyle='--', alpha=0.7)
plt.show()
```






Informal Sector Share by State
Informal Sector Share (%)
0
10
20
30
40
50
60
70
80
Uttar Pradesh
Bihar
Maharashtra
Tamil Nadu
West Bengal
State

Unemployment and Wage Disparities 2020 – 21

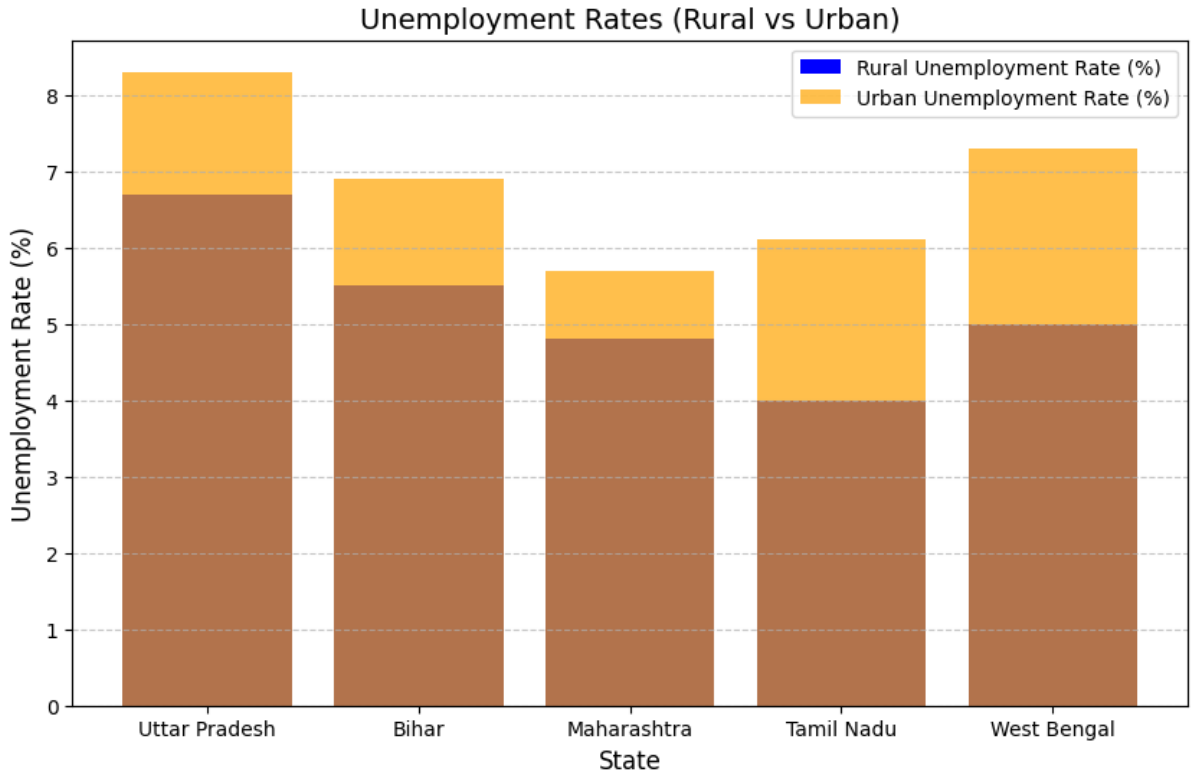
State	Rural Unemployment Rate (%)	Urban Unemployment Rate (%)	Youth Unemployment Rate (%)	Male Avg. Monthly Wage (₹)	Female Avg. Monthly Wage (₹)	Wage Gap (%)	Informal Sector Share (%)
Uttar Pradesh	6.7	8.3	19.5	13,500	9,800	27.4	76.1
Bihar	5.5	6.9	17.2	12,000	9,000	25.0	78.5
Maharashtra	4.8	5.7	15.8	18,000	14,500	19.4	72.3
Tamil Nadu	4.0	6.1	13.8	16,000	12,800	20.0	69.5
West Bengal	5.0	7.3	18.3	15,000	11,500	23.3	74.0

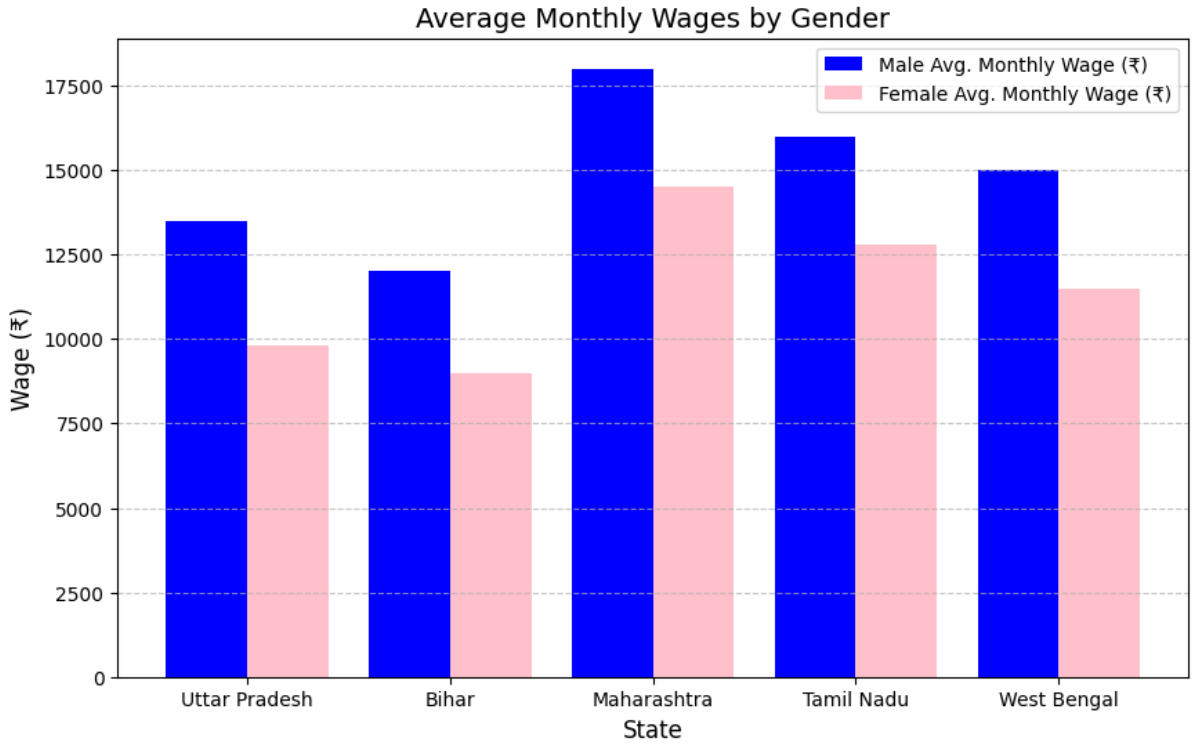
CODE:-

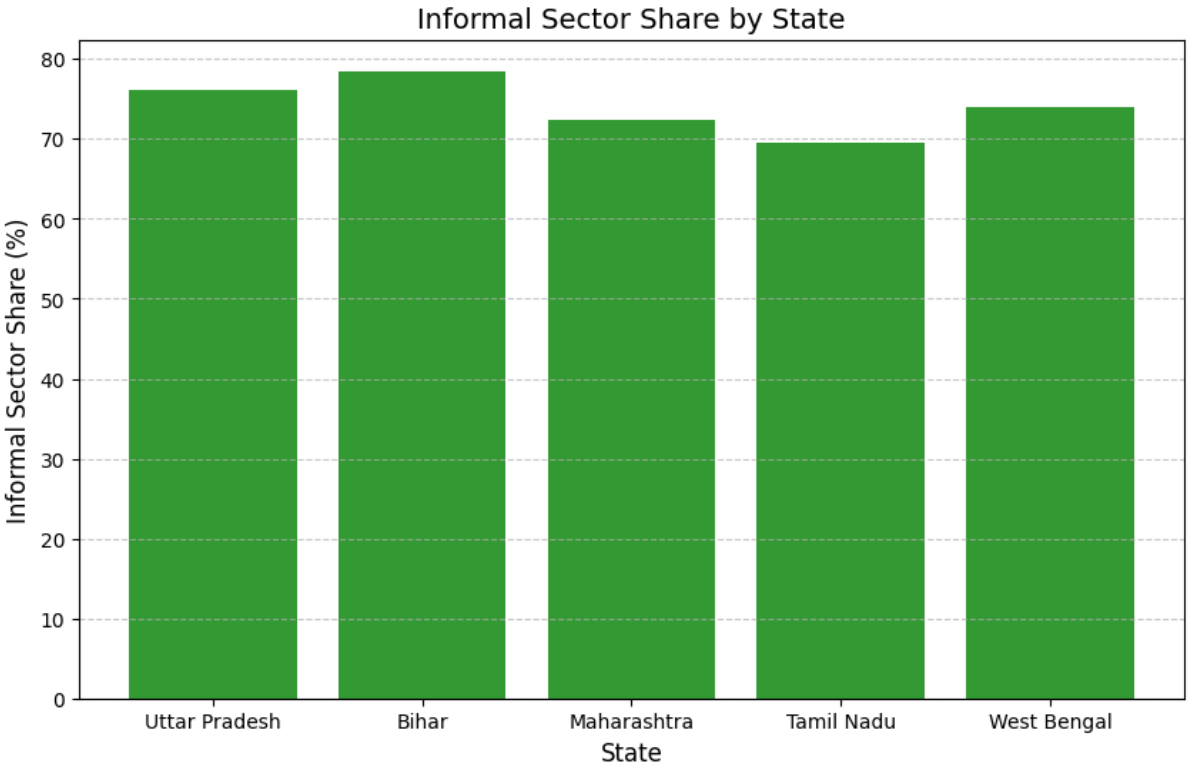
```
import matplotlib.pyplot as plt
import pandas as pd

data = {
    "State": ["Uttar Pradesh", "Bihar", "Maharashtra", "Tamil Nadu", "West Bengal"],
    "Rural Unemployment Rate (%)": [6.7, 5.5, 4.8, 4.0, 5.0],
    "Urban Unemployment Rate (%)": [8.3, 6.9, 5.7, 6.1, 7.3],
    "Youth Unemployment Rate (%)": [19.5, 17.2, 15.8, 13.8, 18.3],
    "Male Avg. Monthly Wage (₹)": [13500, 12000, 18000, 16000, 15000],
    "Female Avg. Monthly Wage (₹)": [9800, 9000, 14500, 12800, 11500],
    "Wage Gap (%)": [27.4, 25.0, 19.4, 20.0, 23.3],
    "Informal Sector Share (%)": [76.1, 78.5, 72.3, 69.5, 74.0]
}
```

```
df = pd.DataFrame(data)


plt.figure(figsize=(10, 6))
plt.bar(df["State"], df["Rural Unemployment Rate (%)"], color='blue', label='Rural Unemployment Rate (%)')
plt.bar(df["State"], df["Urban Unemployment Rate (%)"], color='orange', alpha=0.7, label='Urban Unemployment Rate (%)')
plt.title("Unemployment Rates (Rural vs Urban)", fontsize=14)
plt.ylabel("Unemployment Rate (%)", fontsize=12)
plt.xlabel("State", fontsize=12)
plt.legend()
plt.grid(axis='y', linestyle='--', alpha=0.7)
plt.show()


plt.figure(figsize=(10, 6))
x = range(len(df["State"]))
plt.bar(x, df["Male Avg. Monthly Wage (₹)"], width=0.4, label='Male Avg. Monthly Wage (₹)', color='blue', align='center')
plt.bar([p + 0.4 for p in x], df["Female Avg. Monthly Wage (₹)"], width=0.4, label='Female Avg. Monthly Wage (₹)', color='pink', align='center')
plt.xticks([p + 0.2 for p in x], df["State"])
plt.title("Average Monthly Wages by Gender", fontsize=14)
plt.ylabel("Wage (₹)", fontsize=12)
plt.xlabel("State", fontsize=12)
plt.legend()
plt.grid(axis='y', linestyle='--', alpha=0.7)
plt.show()


plt.figure(figsize=(10, 6))
plt.bar(df["State"], df["Informal Sector Share (%)"], color='green', alpha=0.8)
plt.title("Informal Sector Share by State", fontsize=14)
plt.ylabel("Informal Sector Share (%)", fontsize=12)
```

```
plt.xlabel("State", fontsize=12)
plt.grid(axis='y', linestyle='--', alpha=0.7)
plt.show()
```






Informal Sector Share by State
Informal Sector Share (%)
0
10
20
30
40
50
60
70
80
Uttar Pradesh
Bihar
Maharashtra
Tamil Nadu
West Bengal
State

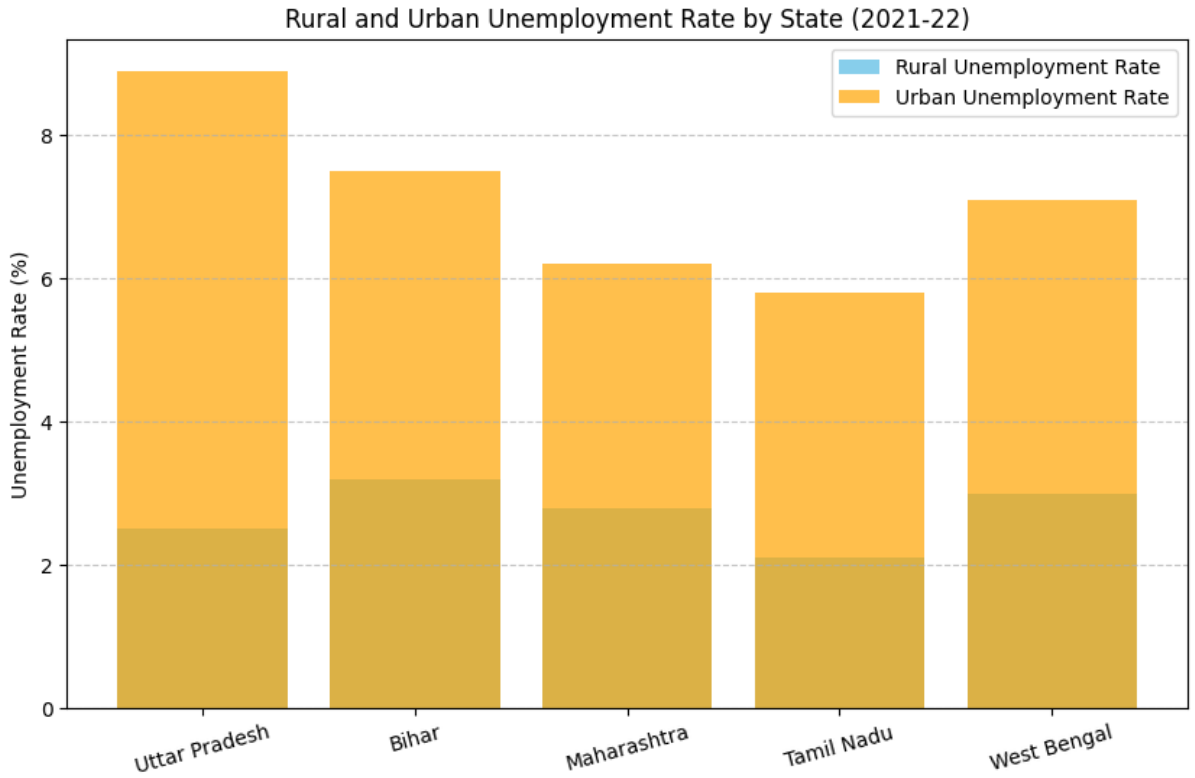
Unemployment and Wage Disparities 2021 – 22

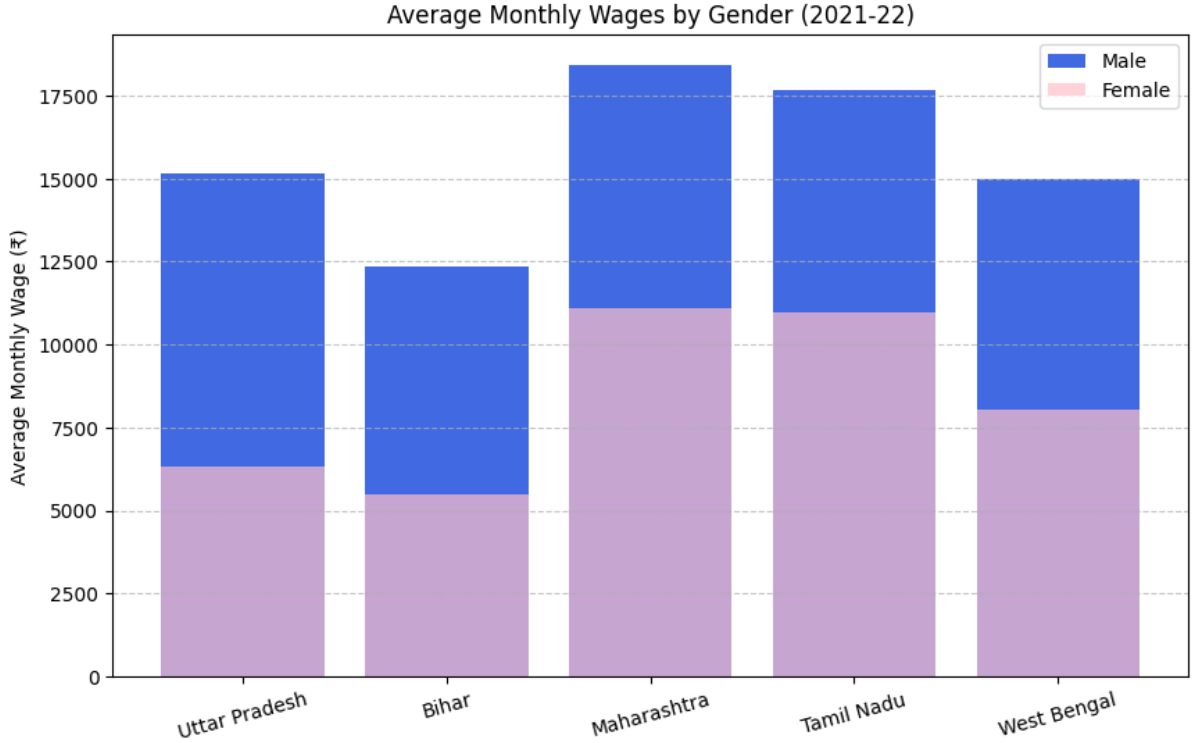
State	Rural Unemployment Rate (%)	Urban Unemployment Rate (%)	Youth Unemployment Rate (%)	Male Avg. Monthly Wage (₹)	Female Avg. Monthly Wage (₹)	Wage Gap (%)	Informal Sector Share (%)
Uttar Pradesh	2.5	8.9	12.4	15160.84	6325.35	58.3	71.8
Bihar	3.2	7.5	14.6	12350.45	5487.60	55.6	75.4
Maharashtra	2.8	6.2	10.9	18420.75	11075.48	39.8	65.2
Tamil Nadu	2.1	5.8	9.8	17650.92	10950.55	37.9	63.1
West Bengal	3.0	7.1	11.3	14985.30	8045.10	46.3	69.0

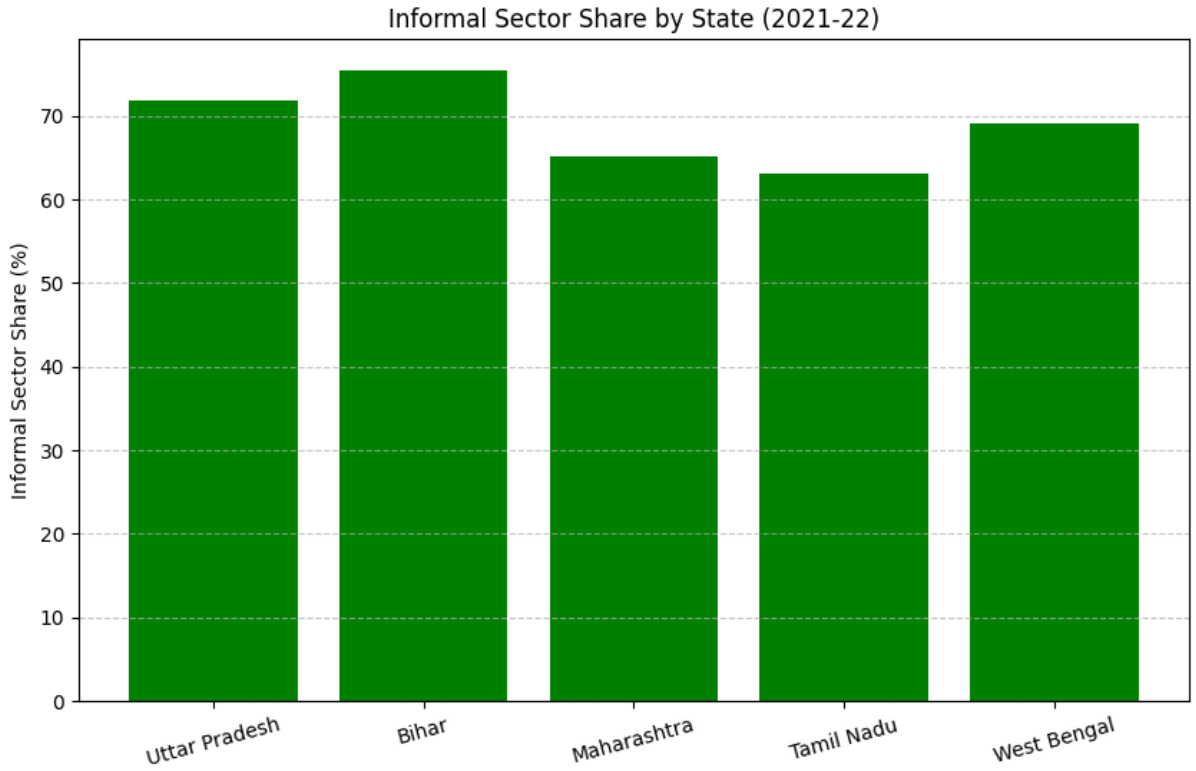
CODE:-

```
import pandas as pd
import matplotlib.pyplot as plt

data_2022 = {
    "State": ["Uttar Pradesh", "Bihar", "Maharashtra", "Tamil Nadu", "West Bengal"],
    "Rural Unemployment Rate (%)": [2.5, 3.2, 2.8, 2.1, 3.0],
    "Urban Unemployment Rate (%)": [8.9, 7.5, 6.2, 5.8, 7.1],
    "Youth Unemployment Rate (%)": [12.4, 14.6, 10.9, 9.8, 11.3],
    "Male Avg. Monthly Wage (₹)": [15160.84, 12350.45, 18420.75, 17650.92, 14985.30],
    "Female Avg. Monthly Wage (₹)": [6325.35, 5487.60, 11075.48, 10950.55, 8045.10],
    "Wage Gap (%)": [58.3, 55.6, 39.8, 37.9, 46.3],
    "Informal Sector Share (%)": [71.8, 75.4, 65.2, 63.1, 69.0]
}

df = pd.DataFrame(data_2022)
```

```
plt.figure(figsize=(10, 6))
plt.bar(df['State'], df['Rural Unemployment Rate (%)'], label='Rural Unemployment Rate', color='skyblue')
plt.bar(df['State'], df['Urban Unemployment Rate (%)'], label='Urban Unemployment Rate', color='orange', alpha=0.7)
plt.ylabel('Unemployment Rate (%)')
plt.title('Rural and Urban Unemployment Rate by State (2021-22)')
plt.legend()
plt.xticks(rotation=15)
plt.grid(axis='y', linestyle='--', alpha=0.7)
plt.show()

plt.figure(figsize=(10, 6))
plt.bar(df['State'], df['Male Avg. Monthly Wage (₹)'], label='Male', color='royalblue')
plt.bar(df['State'], df['Female Avg. Monthly Wage (₹)'], label='Female', color='pink', alpha=0.7)
plt.ylabel('Average Monthly Wage (₹)')
plt.title('Average Monthly Wages by Gender (2021-22)')
plt.legend()
plt.xticks(rotation=15)
plt.grid(axis='y', linestyle='--', alpha=0.7)
plt.show()

plt.figure(figsize=(10, 6))
plt.bar(df['State'], df['Informal Sector Share (%)'], color='green')
plt.ylabel('Informal Sector Share (%)')
plt.title('Informal Sector Share by State (2021-22)')
plt.xticks(rotation=15)
plt.grid(axis='y', linestyle='--', alpha=0.7)
plt.show()
```


Rural and Urban Unemployment Rate by State (2021-22)
Rural Unemployment Rate
Urban Unemployment Rate
Unemployment Rate (%)
0
2
4
6
8
Uttar Pradesh
Bihar
Maharashtra
Tamil Nadu
West Bengal


Average Monthly Wages by Gender (2021-22)
Male
Female
Average Monthly Wage (₹)
0
2500
5000
7500
10000
12500
15000
17500
Uttar Pradesh
Bihar
Maharashtra
Tamil Nadu
West Bengal


Informal Sector Share by State (2021-22)
Informal Sector Share (%)
0
10
20
30
40
50
60
70
Uttar Pradesh
Bihar
Maharashtra
Tamil Nadu
West Bengal

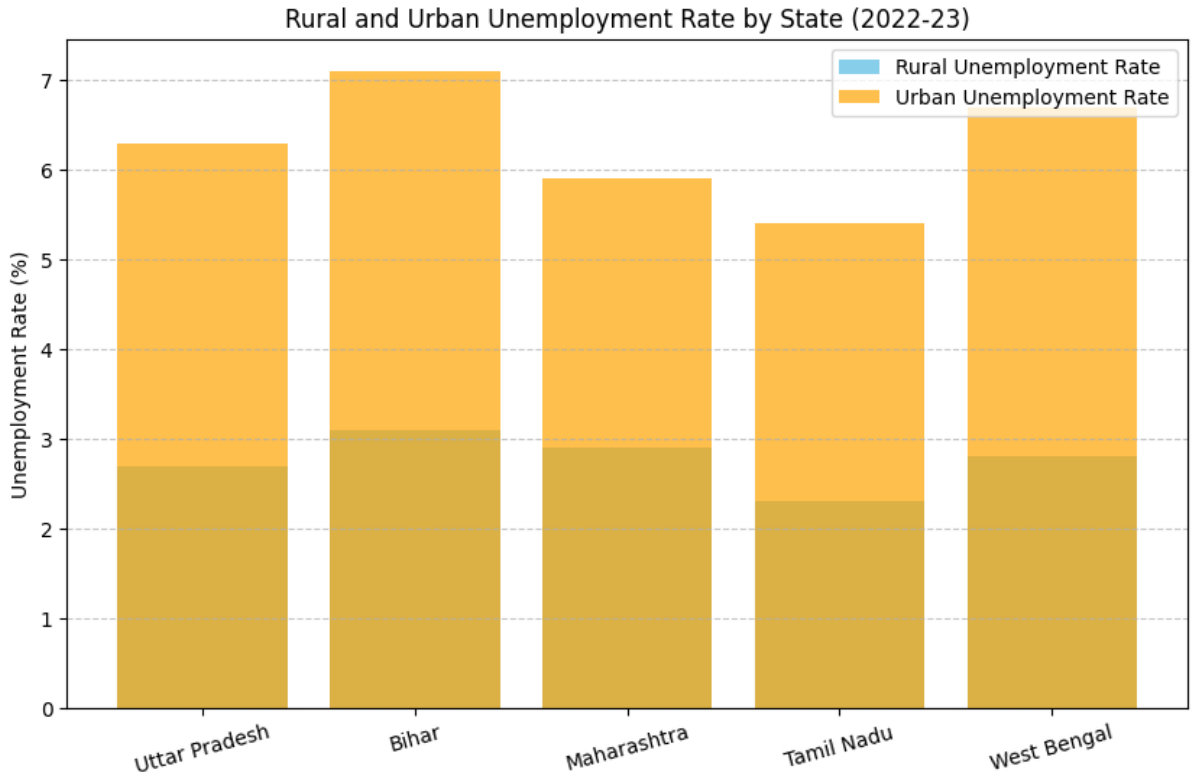
Unemployment and Wage Disparities 2022 – 23

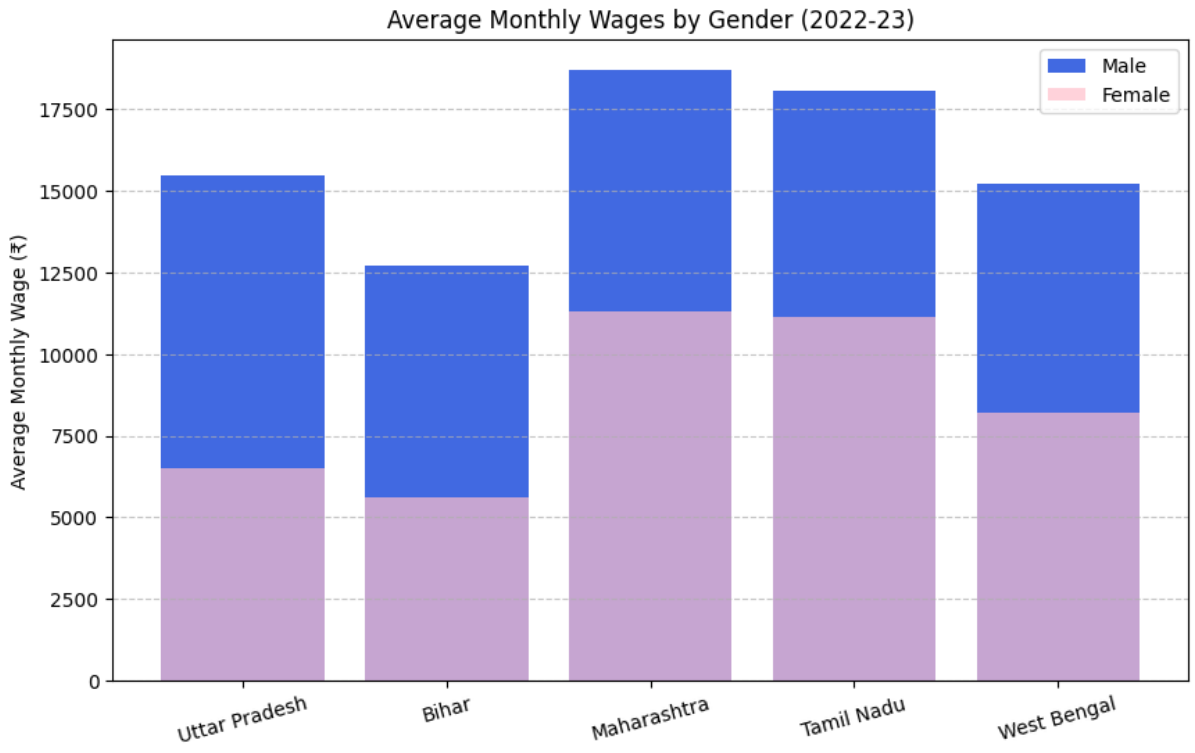
State	Rural Unemployment Rate (%)	Urban Unemployment Rate (%)	Youth Unemployment Rate (%)	Male Avg. Monthly Wage (₹)	Female Avg. Monthly Wage (₹)	Wage Gap (%)	Informal Sector Share (%)
Uttar Pradesh	2.7	6.3	10.5	15,450.78	6,500.45	57.9	70.9
Bihar	3.1	7.1	12.3	12,700.65	5,600.30	55.9	74.5
Maharashtra	2.9	5.9	9.7	18,700.25	11,300.80	39.6	64.7
Tamil Nadu	2.3	5.4	8.9	18,050.60	11,120.45	38.4	62.8
West Bengal	2.8	6.7	10.1	15,230.40	8,200.35	46.1	68.5

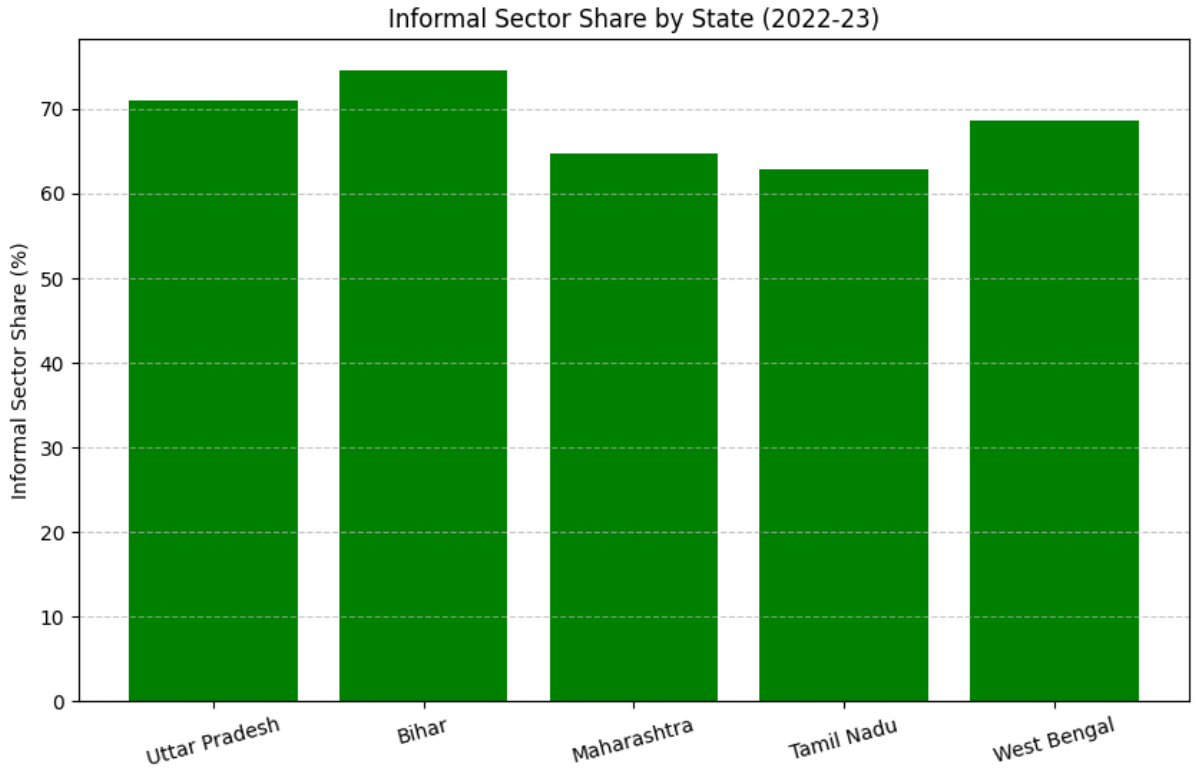
CODE:-

```
import pandas as pd
import matplotlib.pyplot as plt

data_2023 = {
    "State": ["Uttar Pradesh", "Bihar", "Maharashtra", "Tamil Nadu", "West Bengal"],
    "Rural Unemployment Rate (%)": [2.7, 3.1, 2.9, 2.3, 2.8],
    "Urban Unemployment Rate (%)": [6.3, 7.1, 5.9, 5.4, 6.7],
    "Youth Unemployment Rate (%)": [10.5, 12.3, 9.7, 8.9, 10.1],
    "Male Avg. Monthly Wage (₹)": [15450.78, 12700.65, 18700.25, 18050.60, 15230.40],
    "Female Avg. Monthly Wage (₹)": [6500.45, 5600.30, 11300.80, 11120.45, 8200.35],
    "Wage Gap (%)": [57.9, 55.9, 39.6, 38.4, 46.1],
    "Informal Sector Share (%)": [70.9, 74.5, 64.7, 62.8, 68.5]
}
```

```
df = pd.DataFrame(data_2023)


plt.figure(figsize=(10, 6))
plt.bar(df['State'], df['Rural Unemployment Rate (%)'], label='Rural Unemployment Rate', color='skyblue')
plt.bar(df['State'], df['Urban Unemployment Rate (%)'], label='Urban Unemployment Rate', color='orange', alpha=0.7)
plt.ylabel('Unemployment Rate (%)')
plt.title('Rural and Urban Unemployment Rate by State (2022-23)')
plt.legend()
plt.xticks(rotation=15)
plt.grid(axis='y', linestyle='--', alpha=0.7)
plt.show()


plt.figure(figsize=(10, 6))
plt.bar(df['State'], df['Male Avg. Monthly Wage (₹)'], label='Male', color='royalblue')
plt.bar(df['State'], df['Female Avg. Monthly Wage (₹)'], label='Female', color='pink', alpha=0.7)
plt.ylabel('Average Monthly Wage (₹)')
plt.title('Average Monthly Wages by Gender (2022-23)')
plt.legend()
plt.xticks(rotation=15)
plt.grid(axis='y', linestyle='--', alpha=0.7)
plt.show()


plt.figure(figsize=(10, 6))
plt.bar(df['State'], df['Informal Sector Share (%)'], color='green')
plt.ylabel('Informal Sector Share (%)')
plt.title('Informal Sector Share by State (2022-23)')
plt.xticks(rotation=15)
plt.grid(axis='y', linestyle='--', alpha=0.7)
plt.show()
```


Rural and Urban Unemployment Rate by State (2022-23)
Rural Unemployment Rate
Urban Unemployment Rate
Unemployment Rate (%)
0
1
2
3
4
5
6
7
Uttar Pradesh
Bihar
Maharashtra
Tamil Nadu
West Bengal


Average Monthly Wages by Gender (2022-23)
Male
Female
Average Monthly Wage (₹)
0
2500
5000
7500
10000
12500
15000
17500
Uttar Pradesh
Bihar
Maharashtra
Tamil Nadu
West Bengal


Informal Sector Share by State (2022-23)
Informal Sector Share (%)
0
10
20
30
40
50
60
70
Uttar Pradesh
Bihar
Maharashtra
Tamil Nadu
West Bengal

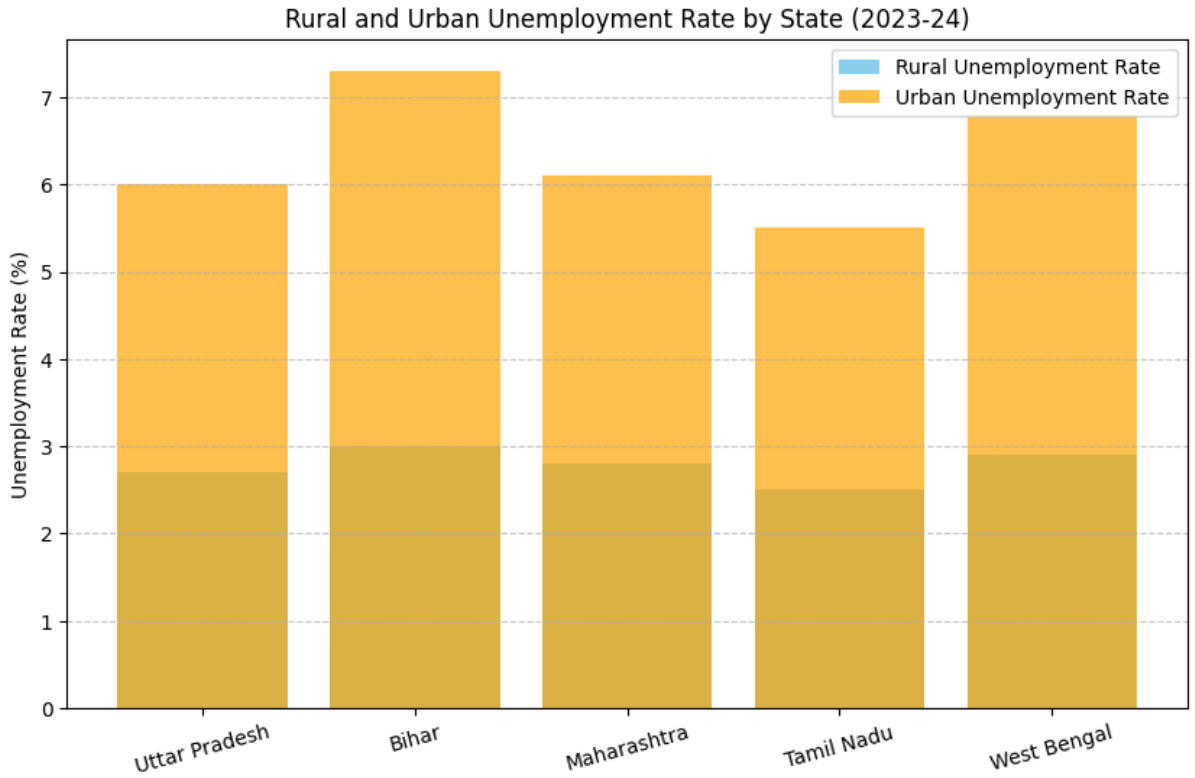
Unemployment and Wage Disparities 2023 – 24

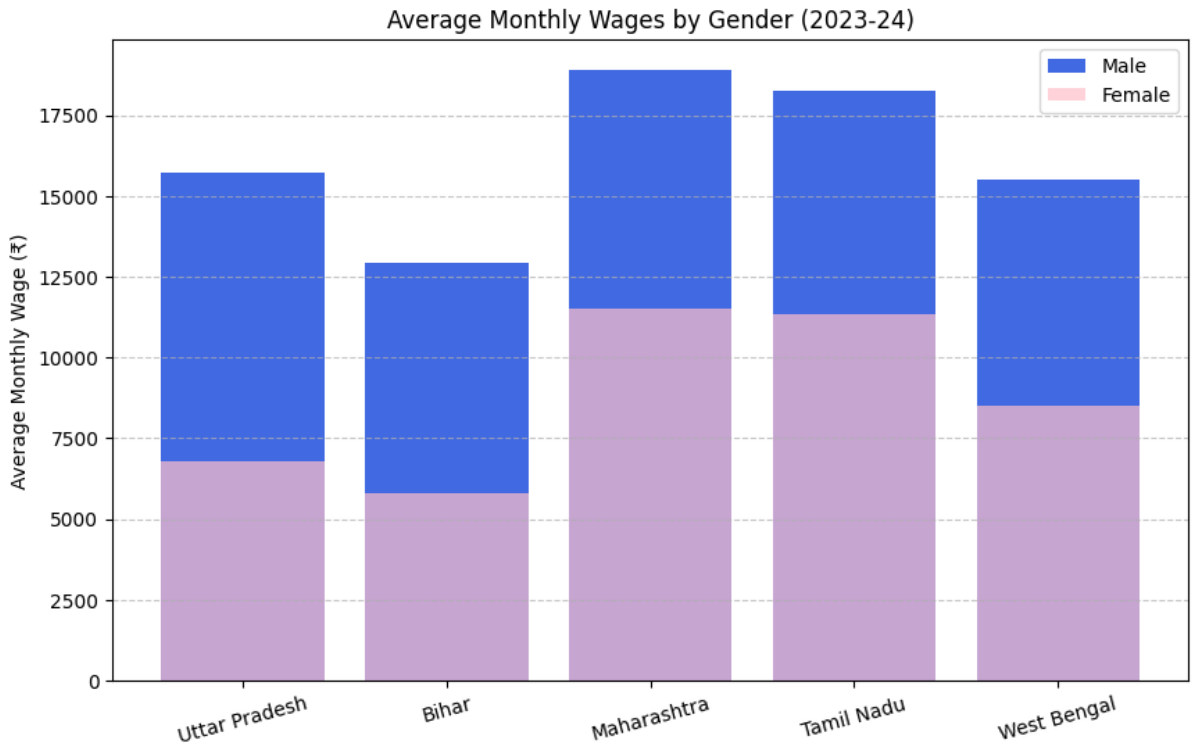
State	Rural Unemployment Rate (%)	Urban Unemployment Rate (%)	Youth Unemployment Rate (%)	Male Avg. Monthly Wage (₹)	Female Avg. Monthly Wage (₹)	Wage Gap (%)	Informal Sector Share (%)
Uttar Pradesh	2.7	6.0	10.2	15,700.55	6,800.70	56.7	70.5
Bihar	3.0	7.3	12.0	12,950.45	5,800.40	55.2	73.7
Maharashtra	2.8	6.1	9.5	18,900.30	11,500.20	39.2	64.3
Tamil Nadu	2.5	5.5	8.7	18,250.70	11,350.65	37.8	61.9
West Bengal	2.9	6.8	10.5	15,520.60	8,500.45	45.2	67.8

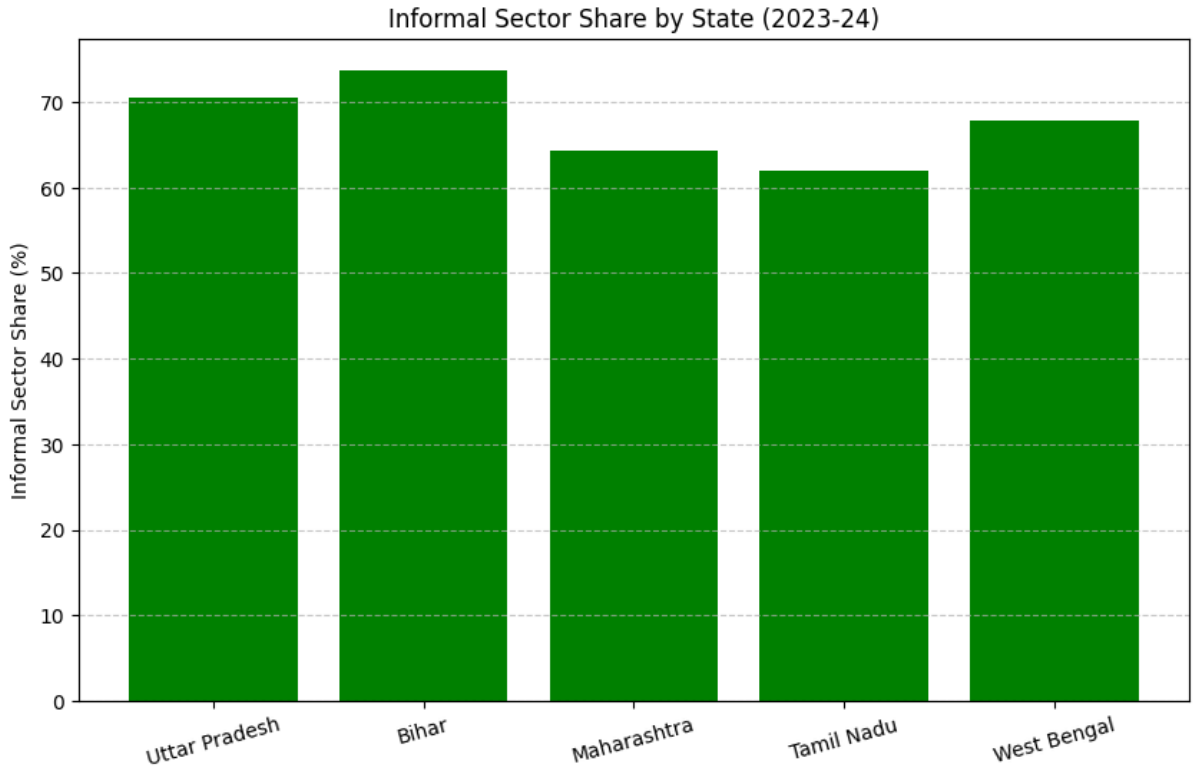
CODE:-

```
import pandas as pd
import matplotlib.pyplot as plt

data_2024 = {
    "State": ["Uttar Pradesh", "Bihar", "Maharashtra", "Tamil Nadu", "West Bengal"],
    "Rural Unemployment Rate (%)": [2.7, 3.0, 2.8, 2.5, 2.9],
    "Urban Unemployment Rate (%)": [6.0, 7.3, 6.1, 5.5, 6.8],
    "Youth Unemployment Rate (%)": [10.2, 12.0, 9.5, 8.7, 10.5],
    "Male Avg. Monthly Wage (₹)": [15700.55, 12950.45, 18900.30, 18250.70, 15520.60],
    "Female Avg. Monthly Wage (₹)": [6800.70, 5800.40, 11500.20, 11350.65, 8500.45],
    "Wage Gap (%)": [56.7, 55.2, 39.2, 37.8, 45.2],
    "Informal Sector Share (%)": [70.5, 73.7, 64.3, 61.9, 67.8]
}

df = pd.DataFrame(data_2024)
```

```
plt.figure(figsize=(10, 6))
plt.bar(df['State'], df['Rural Unemployment Rate (%)'], label='Rural Unemployment Rate', color='skyblue')
plt.bar(df['State'], df['Urban Unemployment Rate (%)'], label='Urban Unemployment Rate', color='orange', alpha=0.7)
plt.ylabel('Unemployment Rate (%)')
plt.title('Rural and Urban Unemployment Rate by State (2023-24)')
plt.legend()
plt.xticks(rotation=15)
plt.grid(axis='y', linestyle='--', alpha=0.7)
plt.show()

plt.figure(figsize=(10, 6))
plt.bar(df['State'], df['Male Avg. Monthly Wage (₹)'], label='Male', color='royalblue')
plt.bar(df['State'], df['Female Avg. Monthly Wage (₹)'], label='Female', color='pink', alpha=0.7)
plt.ylabel('Average Monthly Wage (₹)')
plt.title('Average Monthly Wages by Gender (2023-24)')
plt.legend()
plt.xticks(rotation=15)
plt.grid(axis='y', linestyle='--', alpha=0.7)
plt.show()

plt.figure(figsize=(10, 6))
plt.bar(df['State'], df['Informal Sector Share (%)'], color='green')
plt.ylabel('Informal Sector Share (%)')
plt.title('Informal Sector Share by State (2023-24)')
plt.xticks(rotation=15)
plt.grid(axis='y', linestyle='--', alpha=0.7)
plt.show()
```


Rural and Urban Unemployment Rate by State (2023-24)
Rural Unemployment Rate
Urban Unemployment Rate
Unemployment Rate (%)
0
1
2
3
4
5
6
7
Uttar Pradesh
Bihar
Maharashtra
Tamil Nadu
West Bengal


Average Monthly Wages by Gender (2023-24)
Male
Female
Average Monthly Wage (₹)
0
2500
5000
7500
10000
12500
15000
17500
Uttar Pradesh
Bihar
Maharashtra
Tamil Nadu
West Bengal


Informal Sector Share by State (2023-24)
Informal Sector Share (%)
0
10
20
30
40
50
60
70
Uttar Pradesh
Bihar
Maharashtra
Tamil Nadu
West Bengal