Task2: Unemployment analysis

```
#Importing important libraries

import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns
import plotly.express as px


data=pd.read_csv("/content/Unemployment in India.csv")
data=pd.read_csv("/content/Unemployment_Rate_upto_11_2020.csv")


print(data.head())
```

```
            Region         Date  Frequency   Estimated Unemployment Rate (%)  \
0  Andhra Pradesh   31-01-2020          M                              5.48
1  Andhra Pradesh   29-02-2020          M                              5.83
2  Andhra Pradesh   31-03-2020          M                              5.79
3  Andhra Pradesh   30-04-2020          M                             20.51
4  Andhra Pradesh   31-05-2020          M                             17.43

    Estimated Employed   Estimated Labour Participation Rate (%) Region.1  \
0             16635535                                    41.02    South
1             16545652                                    40.90    South
2             15881197                                    39.18    South
3             11336911                                    33.10    South
4             12988845                                    36.46    South

   longitude  latitude
0    15.9129     79.74
1    15.9129     79.74
2    15.9129     79.74
3    15.9129     79.74
4    15.9129     79.74
```

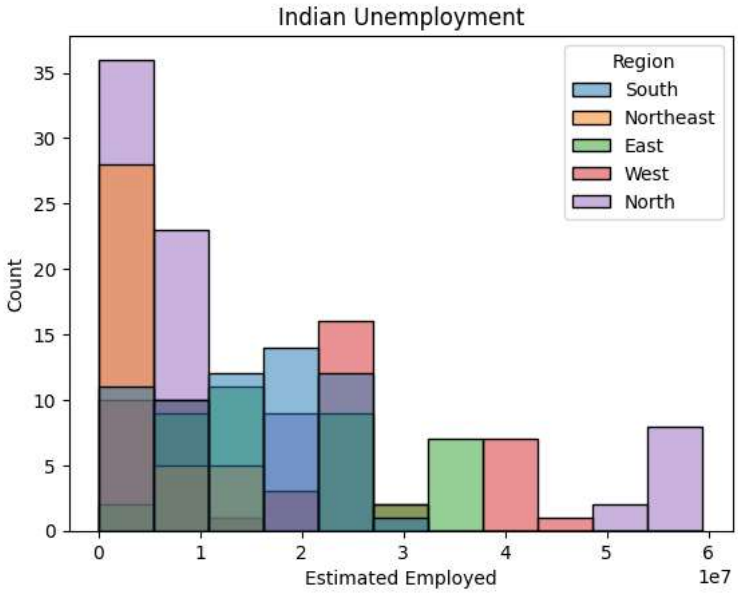
```
print(data.isnull().sum())
```

```
Region                                  0
 Date                                   0
 Frequency                              0
 Estimated Unemployment Rate (%)        0
 Estimated Employed                     0
 Estimated Labour Participation Rate (%)    0
Region.1                                0
longitude                               0
latitude                                0
dtype: int64
```

```
data.columns=["States","Data","Frequency","Estimated Unemployement Rate","Estimated Employed","Estimated Labour Participation Rate","Region"


#Data visualization

data.columns=["States","Data","Frequency","Estimated Unemployement Rate","Estimated Employed","Estimated Labour Participation Rate","Region"
plt.title("Indian Unemployment")
sns.histplot(x="Estimated Employed", hue="Region", data=data)
plt.show()
```




```
unemplomент = data[["States","Region","Estimated Unemployement Rate"]]
figure = px.sunburst(unemplomент, path=["Region","States"],
                     values="Estimated Unemployement Rate",
                     width=700, height=700, color_continuous_scale="RdY1Gn",
                     title="Unemployment Rate in India")
figure.show()
```