**Program:**

import pandas as pd import plotly.express as px import geopandas as gpd import folium

df\_world = px.data.gapminder().query("year == 2007") fig\_world = px.choropleth(df\_world,

locations="iso\_alpha", color="gdpPercap", hover\_name="country",

color\_continuous\_scale=px.colors.sequential.Plasma, ti t l e = " ?● World GDP per Capita (2007)")

fig\_world.show()

india\_states = gpd.read\_file("https://raw.githubusercontent.com/datameet/maps/master/States/Admi n2/india\_states.geojson")

india\_states["state\_name"] = india\_states["STATE"] state\_data = pd.DataFrame({

'state\_name': ['Tamil Nadu', 'Maharashtra', 'Karnataka', 'Kerala', 'Uttar Pradesh'], 'population': [75000000, 112000000, 65000000, 35000000, 200000000]

})

merged\_states = india\_states.merge(state\_data, on="state\_name") fig\_states = px.choropleth(merged\_states,

geojson=merged\_states.geometry, locations=merged\_states.index, color="population", hover\_name="state\_name", title="IN Population by Indian States", projection="mercator")

fig\_states.update\_geos(fitbounds="locations", visible=False)

fig\_states.show()

districts = gpd.read\_file("https://raw.githubusercontent.com/datameet/maps/master/Districts/in dia\_districts.geojson")

m = folium.Map(location=[22.9734, 78.6569], zoom\_start=5) folium.Choropleth(

geo\_data=districts, data=districts,

columns=["DISTRICT", "DISTRICT"],

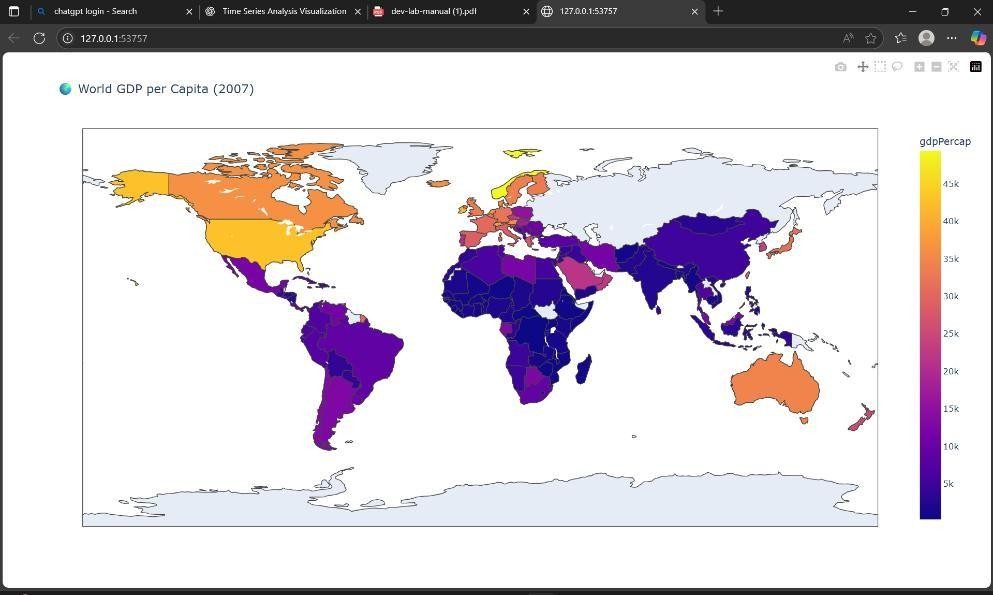
key\_on="feature.properties.DISTRICT", fill\_color="YlGnBu",

fill\_opacity=0.7, line\_opacity=0.2, legend\_name="Districts of India"

).add\_to(m) m.save("india\_districts.html")

print(" India District Map saved as: india\_districts.html")

# Output:

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