

```
In [2]: import pandas as pd
import numpy as np
import seaborn as sns
import matplotlib.pyplot as plt
```

```
In [3]: df = pd.read_csv('2014_World_GDP')
```

```
In [4]: df.head()
```

	COUNTRY	GDP (BILLIONS)	CODE
0	Afghanistan	21.71	AFG
1	Albania	13.40	ALB
2	Algeria	227.80	DZA
3	American Samoa	0.75	ASM
4	Andorra	4.80	AND

```
In [5]: from chart_studio import plotly as py
import plotly.graph_objs as go
```

```
In [6]: from plotly.offline import download_plotlyjs, init_notebook_mode, plot,iplot
```

```
In [7]: init_notebook_mode(connected=True)
```

```
In [8]: data = dict(type='choropleth',
    locations=df['CODE'],
    z = df['GDP (BILLIONS)'],
    text=df['COUNTRY'],
    colorbar={'title':'GDP in Billions USD'})
```

```
In [9]: layout = dict(title='2014 Global GDP',
    geo=dict(showframe=False,
    projection = {'type':'mercator'}))
```

```
In [10]: data
```

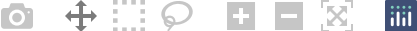
```
Out[10]: {'type': 'choropleth',
  'locations': 0      AFG
  1      ALB
  2      DZA
  3      ASM
  4      AND
  ...
  217     VGB
  218     WBG
  219     YEM
  220     ZMB
  221     ZWE
  Name: CODE, Length: 222, dtype: object,
  'z': 0      21.71
  1      13.40
  2      227.80
  3      0.75
  4      4.80
  ...
  217      5.08
  218      6.64
  219     45.45
  220     25.61
  221     13.74
  Name: GDP (BILLIONS), Length: 222, dtype: float64,
  'text': 0      Afghanistan
  1      Albania
  2      Algeria
  3      American Samoa
  4      Andorra
  ...
  217     Virgin Islands
  218      West Bank
  219      Yemen
  220      Zambia
  221      Zimbabwe
  Name: COUNTRY, Length: 222, dtype: object,
  'colorbar': {'title': 'GDP in Billions USD'}}
```

```
In [11]: layout
```

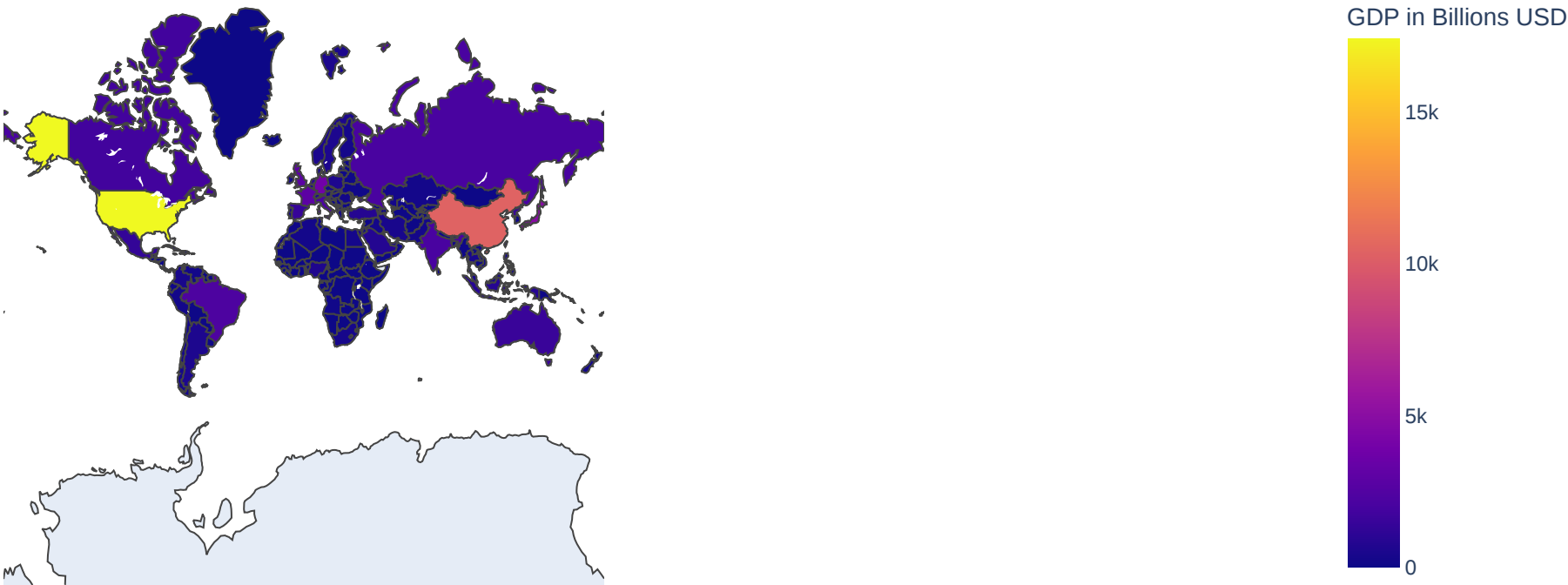
```
Out[11]: {'title': '2014 Global GDP',
  'geo': {'showframe': False, 'projection': {'type': 'mercator'}}
```

```
In [12]: choromap3 = go.Figure(data=[data], layout = layout)
```

```
In [13]: choromap3
```



2014 Global GDP



```
In [ ]:
```