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()
```

Out[4]:

	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
```


In [ ]: