import plotly.offline as py
import plotly.graph\_objs as go

import matplotlib.pyplot as plt

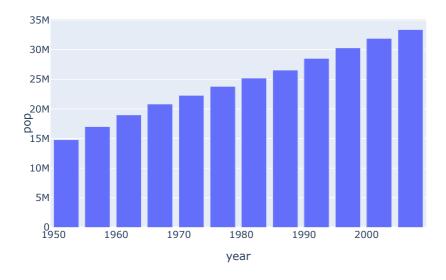
import pandas as pd
import numpy as np

import plotly.express as px #high level wrapping or creating figures
from plotly.figure\_factory import create\_table #more aesthetic than usual pandas dataframe

gapminder = px.data.gapminder()
table = create\_table(gapminder.head(10))
py.iplot(table)

country	continent	year	lifeExp	рор	gdpPercap	iso_alpha	iso_num
Afghanistan	Asia	1952	28.801	8425333	779.4453145	AFG	4
Afghanistan	Asia	1957	30.331999999999997	9240934	820.8530296	AFG	4
Afghanistan	Asia	1962	31.997	10267083	853.1007099999999	AFG	4
Afghanistan	Asia	1967	34.02	11537966	836.1971382	AFG	4
Afghanistan	Asia	1972	36.088	13079460	739.9811057999999	AFG	4
Afghanistan	Asia	1977	38.438	14880372	786.11336	AFG	4
Afghanistan	Asia	1982	39.854	12881816	978.0114388000001	AFG	4
Afghanistan	Asia	1987	40.821999999999996	13867957	852.3959447999999	AFG	4
Afghanistan	Asia	1992	41.674	16317921	649.3413952000001	AFG	4
Afghanistan	Asia	1997	41.763000000000005	22227415	635.341351	AFG	4

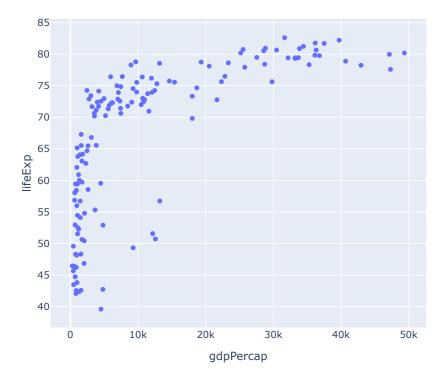
data\_canada = px.data.gapminder().query('country == "Canada"')
fig = px.bar(data\_canada, x = 'year', y = 'pop', height = 400)
fig.show()



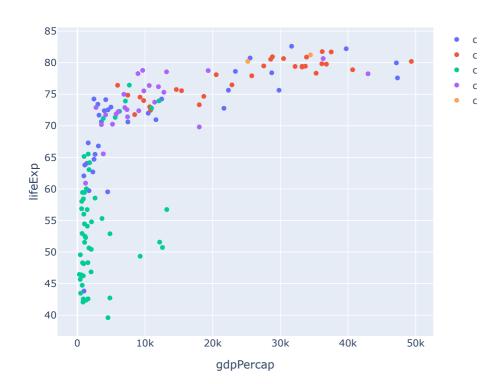
35M 30M BD 55M 78 76 74 72 70 1950 1960 1970 1980 1990 2000 year

```
gap2007 = px.data.gapminder().query('year == "2007"')
```

px.scatter(gap2007, x = 'gdpPercap', y = 'lifeExp')



px.scatter(gap2007, x = 'gdpPercap', y = 'lifeExp', color = 'continent')



 $px.scatter(gap2007, x = 'gdpPercap', y = 'lifeExp', color = 'continent', size = 'pop', size_max= 50, hover_name='country')$ 

