import plotly.offline as py
import plotly.graph_objs as go

import matplotlib.pyplot as plt

import pandas as pd
import numpy as np

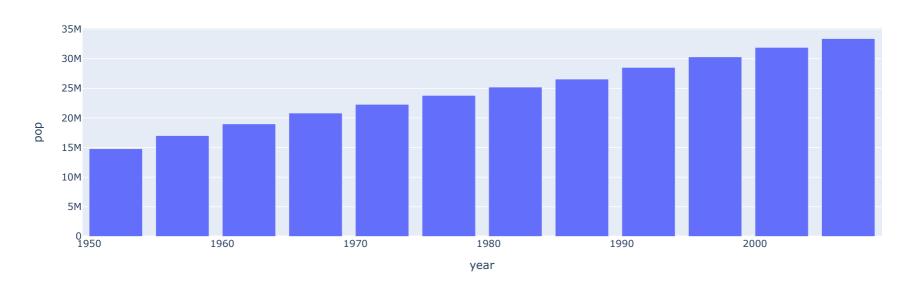
import plotly.express as px #high level wrapping or creating figures
from plotly.figure_factory import create_table #more aesthetic than usual pandas dataframe

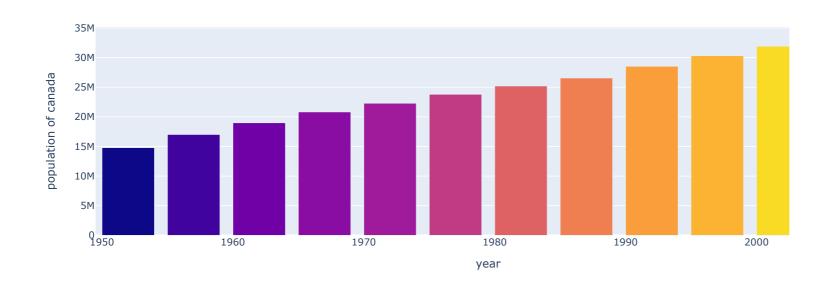
gapminder = px.data.gapminder()
table = create_table(gapminder.head(10))
py.iplot(table)

country	continent	year	lifeExp	рор	gdpPercap	iso_alpha	iso_num
Afghanistan	Asia	1952	28.801	8425333	779.4453145	AFG	4
Afghanistan	Asia	1957	30.33199999999	99 927 0934	820.8530296	AFG	4
Afghanistan	Asia	1962	31.997	10267083	853.1007099999	9 % ₹G	4
Afghanistan	Asia	1967	34.02	11537966	836.1971382	AFG	4
Afghanistan	Asia	1972	36.088	13079460	739.9811057999	9 99 G	4
Afghanistan	Asia	1977	38.438	14880372	786.11336	AFG	4
Afghanistan	Asia	1982	39.854	12881816	978.0114388000	0 AF G	4
Afghanistan	Asia	1987	40.82199999999	99 996 67957	852.3959447999	9 % ₹G	4
Afghanistan	Asia	1992	41.674	16317921	649.3413952000	0 AF G	4
Afghanistan	Asia	1997	41.76300000000	00 009 27415	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()

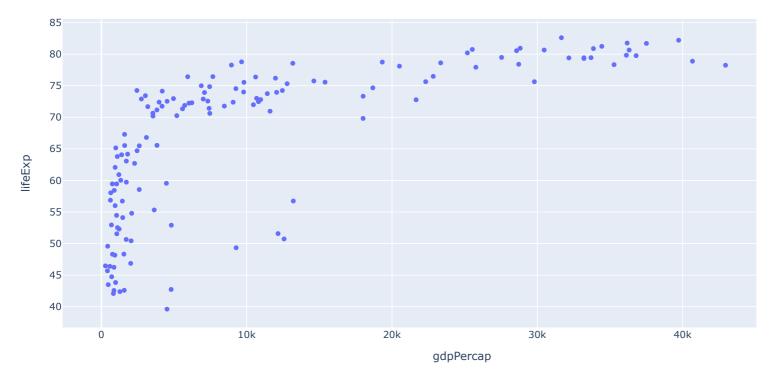
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gap2007 = px.data.gapminder().query('year == "2007"')

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



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



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

