i i i	<pre>port pandas as pd port plotly as px port numpy as np port plotly.express as pxe .options.plotting.backend = "plotly"  fe = pd.read_csv(r'C:\Users\Master\Desktop\Jupyter\Life expectancy.csv') fe.describe()</pre>
Out[3]:	Year Life expectancy int 3253.00000 3253.00000 in 1908.066093 48.680380 int 62.613962 17.965669 in 1800.00000 8.108836 in 1854.00000 32.00000
	1908.00000 41.880001 304 1962.00000 66.820000 ax 2016.00000 83.940002 fe
	0       Australia       1802       34.049999         1       Australia       1803       34.049999         2       Australia       1804       34.049999         3       Australia       1805       34.049999         4       Australia       1806       34.049999
32 32 32	8 United States 2012 78.940002 9 United States 2013 78.959999 0 United States 2014 78.940002 1 United States 2015 78.870003 2 United States 2016 78.860001
In [5]: 1 In [6]: 1 Out[6]: Er	<pre>fe1 = life.rename(columns={'Entity':'Country'})  fe.isnull().sum()  city     0</pre>
In [7]: CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	<pre>untry = life1['Country'].value_counts() untry  na</pre>
Br Ge Me Ca Sv Ur Ir Sp Au	217   217
Out[8]: 83	<pre>fe['Life expectancy'].max() 940002 iorEspectativadeVida = life1.loc[life1['Life expectancy']==83.940002] iorEspectativadeVida</pre>
	Country         Year         Life expectancy           0         Japan         2016         83.940002   fe['Life expectancy'].min() .088362
Out[11]:	norExpectativadeVida = life1.loc[life1['Life expectancy']==8.1088362]  Country Year Life expectancy  India 1918 8.108836  azil = life1[life1.Country =='Brazil']  azil
Out[12]:  23 23 23 24 42 43 43 43 21	Country         Year         Life expectancy           Brazil         1800         32.000000           Brazil         1801         31.999807           Brazil         1802         31.999613           Brazil         1803         31.999420           Brazil         1804         31.99928           Brazil         2012         74.639999           Brazil         2013         74.839996           Brazil         2014         75.010002           Brazil         2015         75.139999
Out[13]: 42 In [14]: E	
	(表) (本) (本) (本) (本) (本) (本) (本) (本) (本) (本
	50
	30 1800 1850 1900 1950 2000
Out[15]:	tadosUnidos = life1[life1.Country == 'United States']  Country Year Life expectancy  G United States 1800 39.410000  7 United States 1801 39.410000
30 30 32 32 32 32	8 United States       1802       39.410000         9 United States       1803       39.410000         0 United States       1804       39.410000
© Q.	
	70
	40
	30 1800 1850 1900 1950 2000 pan = life1[life1.Country=='Japan'] pan
Out[17]:  17  17  17  17  17  18  19  19	5       Japan       1801       36.400398         6       Japan       1802       36.400795         7       Japan       1803       36.401192         8       Japan       1804       36.401588              6       Japan       2012       83.230003         7       Japan       2013       83.440002         8       Japan       2014       83.690002
	rows × 3 columns  pan.plot(x='Year',y='Life expectancy',kind='line', title= 'Expectativa de vida Japão')
##   *** ###	80 70
	60
	30 1800 1850 1900 1950 2000
© Q.√	e.bar(life1, x='Year', y='Life expectancy', color='Country',title='Comparação Expectativa de Vida')  [x]
	1000 800 400 400 1850 1900 1950 2000
Out[60]:	azilEUA = life1[life1['Country'].isin(['Brazil','United States','Japan','China'])]  Country Year Life expectancy  Brazil 1800 32.000000  Second Partil 1801 21.00007
32	6 Brazil 1801 31.999807 7 Brazil 1802 31.999613 8 Brazil 1803 31.999420 9 Brazil 1804 31.999228
32 32 32 86	9 United States 2013 78.959999 0 United States 2014 78.940002 1 United States 2015 78.870003 2 United States 2016 78.860001 rows × 3 columns
© Q.√ ⊞	e.bar(BrazilEUA, x='Year',y='Life expectancy',color='Country',title='Comparação Brazil com EstadosUnidos')  [X]**  300
	250 200 150
	100 50 1800 1850 1900 1950 2000
© Q. ⊞	e.line(BrazilEUA, x='Year', y='Life expectancy',color='Country')  [X] 80
	70 60 50 40
	30 20 1800 1850 1900 1950 2000