

a a p p >< F	<pre>WHERE year &gt; 2008;""", engine)  lt.figure(figsize=(6,3), dpi = 150) ig, (ax1, ax2) = plt.subplots(nrows=1, ncols=2)  Plot histogram of x on left subplot x1.hist(pre2008) x1.set_xlabel('Life Expectancy (Pre-2008)') x1.set_ylabel('Frequency')  Plot histogram of y on right subplot x2.hist(post2008) x2.set_xlabel('Life Expectancy (Post-2008)')</pre>
Iencv	x2.set_xlabel('Life Expectancy (Post-2008)') x2.set_ylabel('Frequency')  lt.tight_layout() lt.savefig("figs/Life_Expectancy.svg")  'igure size 900x450 with 0 Axes>  250
Fred	200 - 150 - 100 -
	Tom scipy.stats import ttest_ind  Conduct t-test
	<pre>p = ttest_ind(pre2008, post2008)  Print t-statistic and p-value rint(f't-statistic: {t[0]:.5f}') rint(f'p-value: {p[0]:.5f}')  *statistic: -7.48032 *value: 0.00000  verage Life Expectancy  ng SQL, find the average life expectancy for each country. (use Group By)</pre>
	<pre>vg_le = pd.read_sql("""SELECT country, AVG(life_expectancy) ROM life ROUP BY country; """, engine)  vg_le  country avg Indonesia 68.266562 Bangladesh 68.728687</pre>
: (	2       Venezuela       72.757125         3       Brunei Darussalam       74.274750         4       Cameroon       54.025813              4       Nepal       66.278313         5       Tanzania       56.629250         6       Poland       75.640854         7       Costa Rica       78.465875
9	Czechia 76.777134  rows × 2 columns  rg_le.to_csv("avg_life_expectancy (2000-2015).csv", index = False)