United States Birthrates (1960 - 2020)

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1 A quick illustration of reading in, filtering, modifying, and plotting data using Pandas and Matplotlib.

2 Create dataframe specific to the United States by locating the column and transforming the matrix.

```
[3]: us_data = df.loc[df['Country'] == 'United States']
us_data.reset_index(drop = True, inplace = True)
us_data = us_data.T
us_data.columns = us_data.iloc[0]
us_data = us_data[1:]
us_data.reset_index(inplace = True)
us_data.columns = ['year', 'birth_rate']
```

3 Print Summary Statistics of the United States birth rate.

median 2.000000 mean 2.113607

4 Create plot using matplotlib/pyplot to illustrate the decline in birth rates

[8]: Text(0.5, 1.0, 'Birth Rates in the United States')

