

A quick Info on Global Warming

1810 - 2010

Trends of Earth Surface Temperature for some random cities

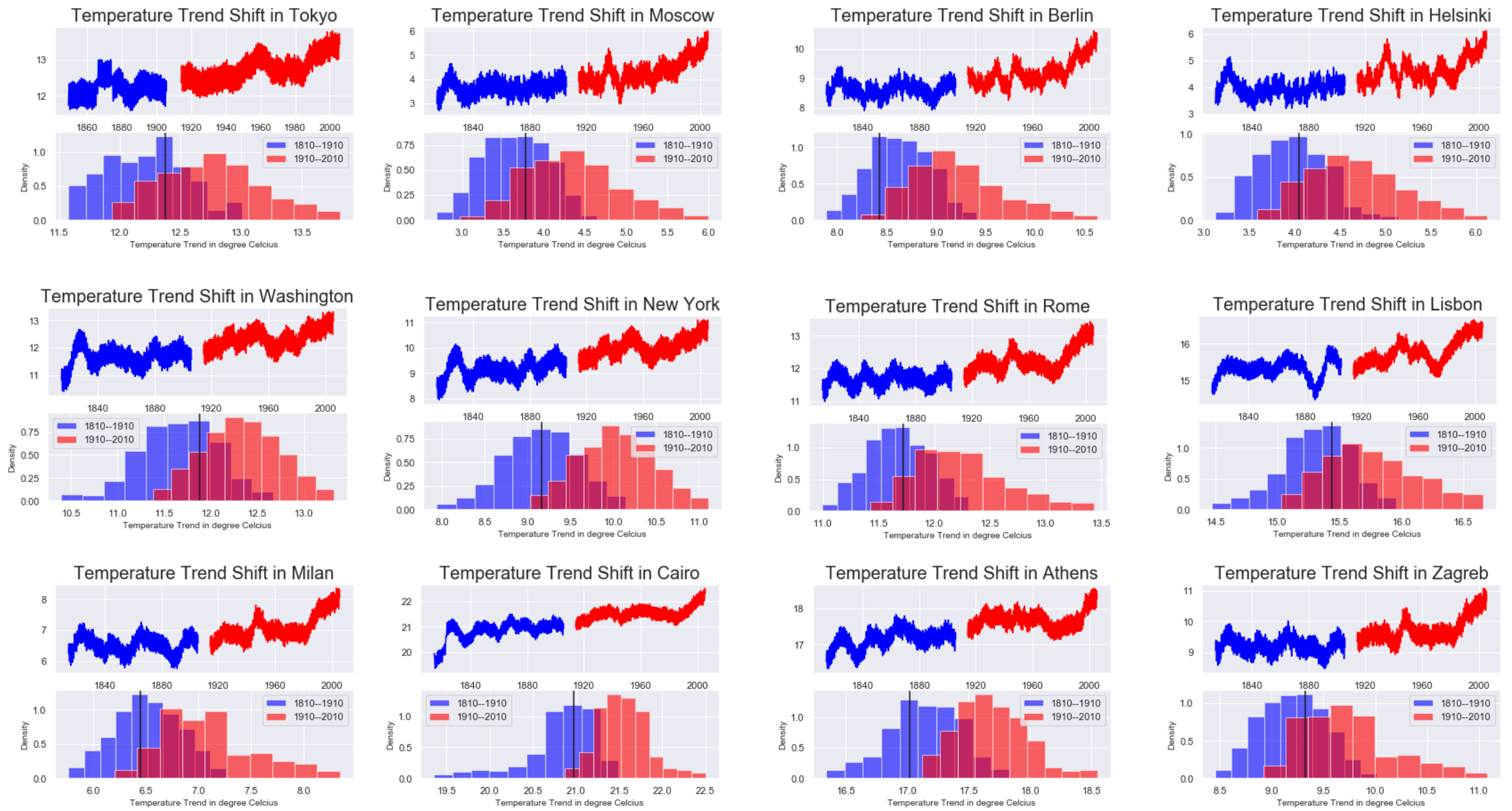


Fig 1: upper panels of each city is the two temperature trends with a 100-year filter to smooth the data for 2 periods : 1810-1910 (blue) and 1910-2010 (red). Lower panels show the histograms. The bold black line shows the mode (most frequent value) in the 1810-1910 period.

How much portion of the 1910-2010 temperature trend is exceeding the 1810-1910 climate mode?

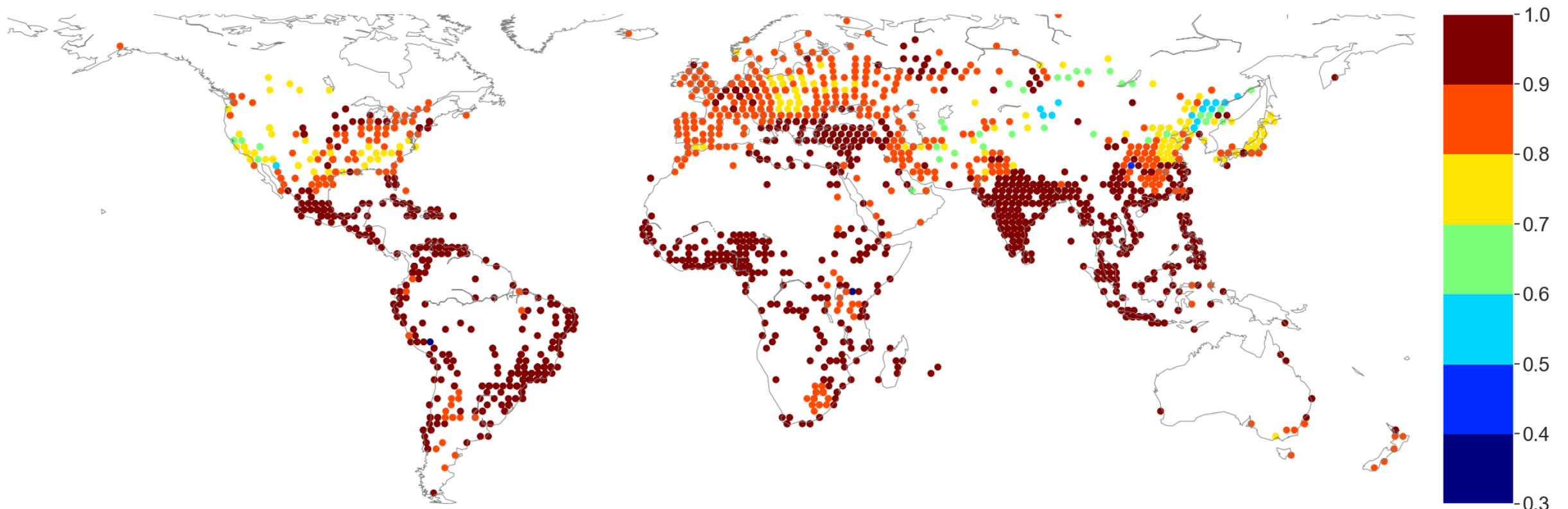


Fig 2: Exceedance portion of the temperature mode in 1810-1910 period by the 1910-2010 period. The portion of the histogram from 1910-2010 trend on the right-hand side of the mode (solid lines in Fig1) in the 1810-1910 period.

Survival of the Fattest

Extreme temperature trends exceeding the 1810-1910 climate mode

The most contributors to CO2 Emissions

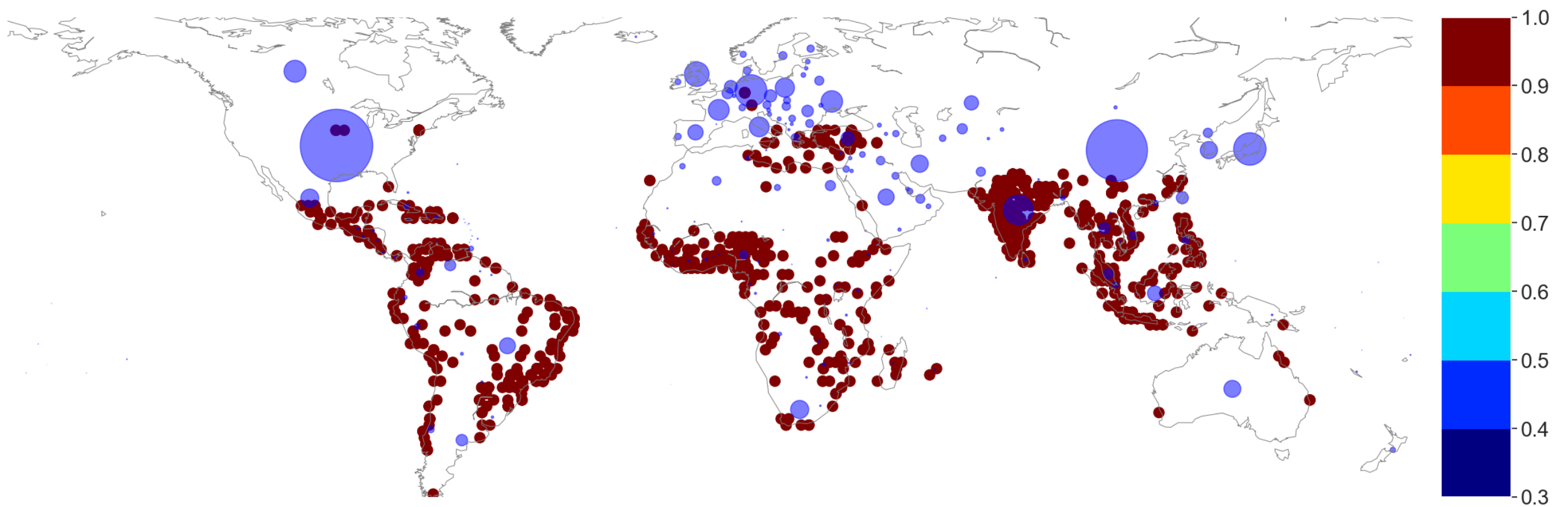


Fig 3: Extreme exceedance portion of the temperature mode in 1810-1910 period by the 1910-2010 period's temperature trend. The Blue circles show the mean CO2 contributions (1960-2018) of each Country.

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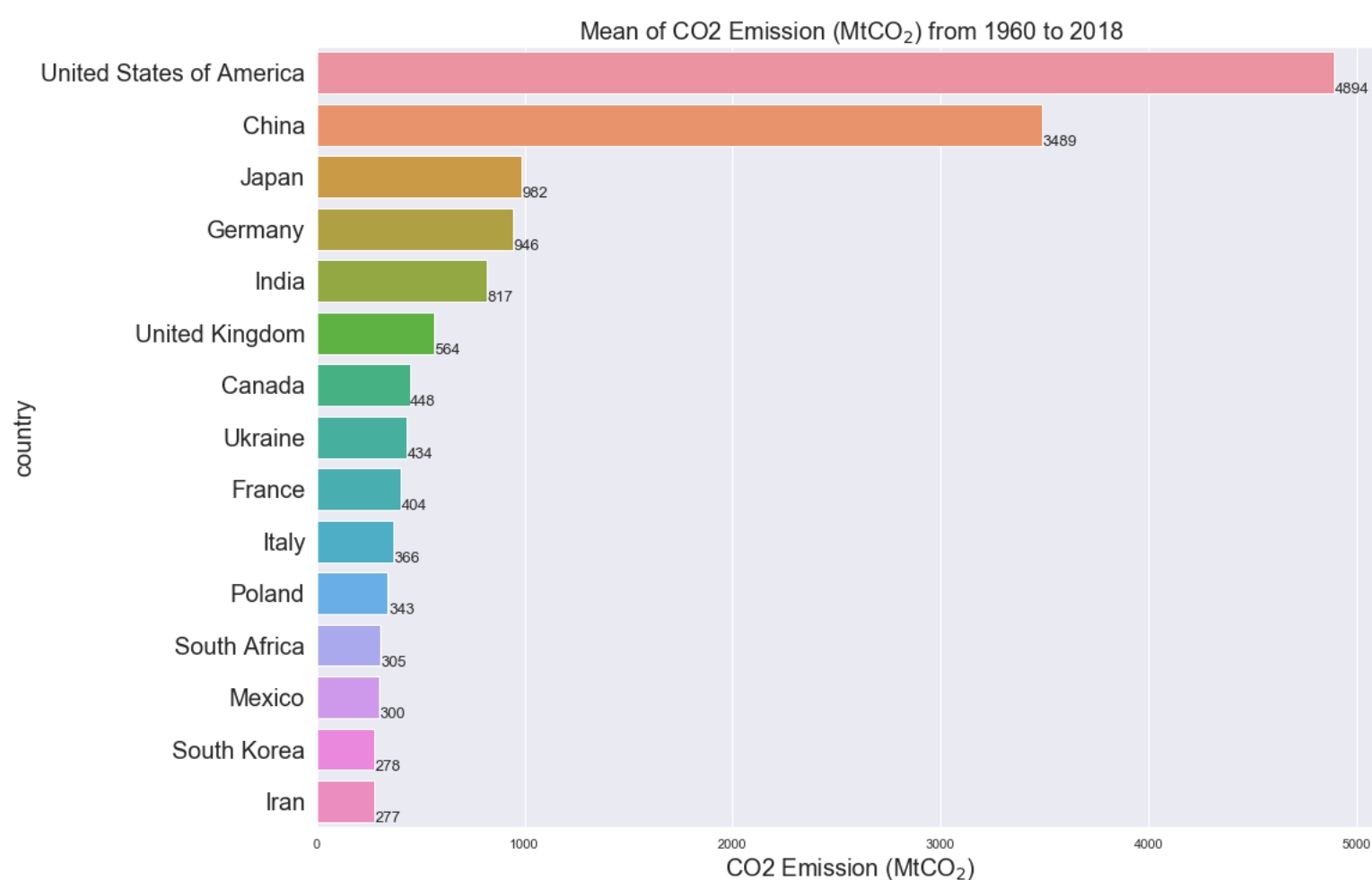


Fig 4: Top 15 contributors to the mean CO2 emission averaged from 1960 to 2018.

Code and more details available at :

<https://github.com/bijanfallah>