

## Homework 1 Problem 2

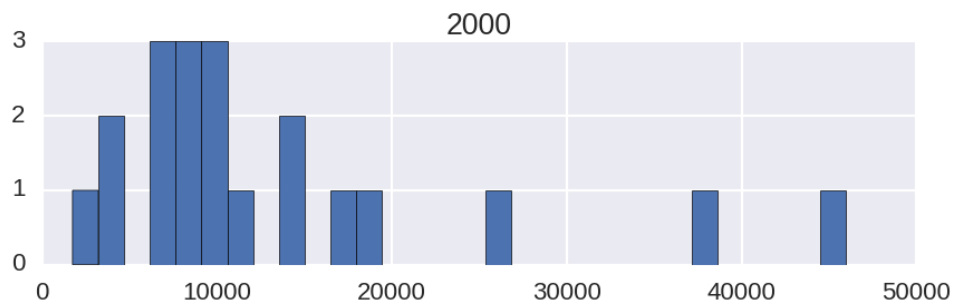
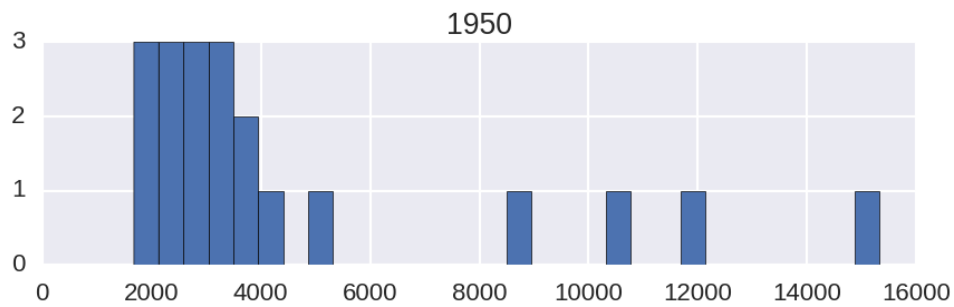
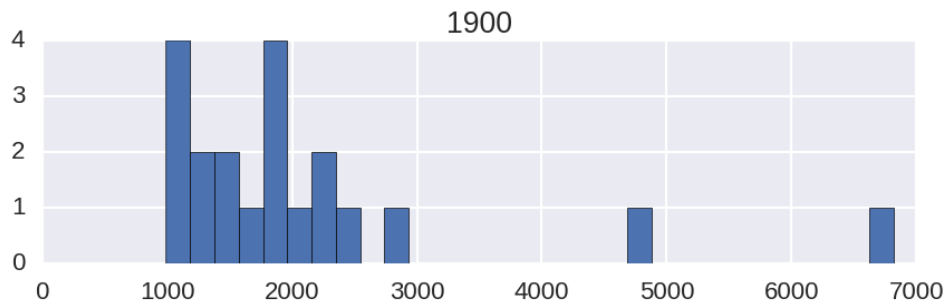
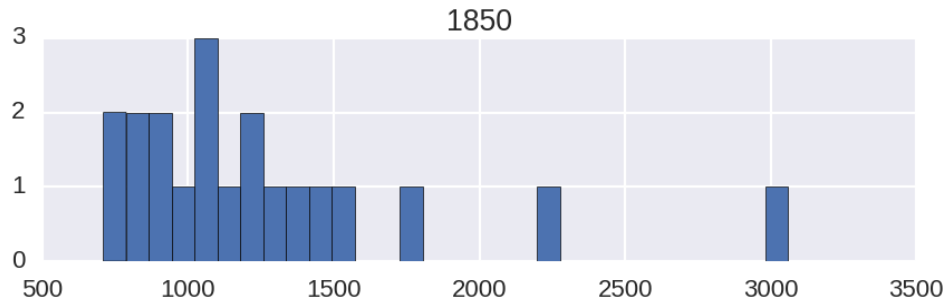
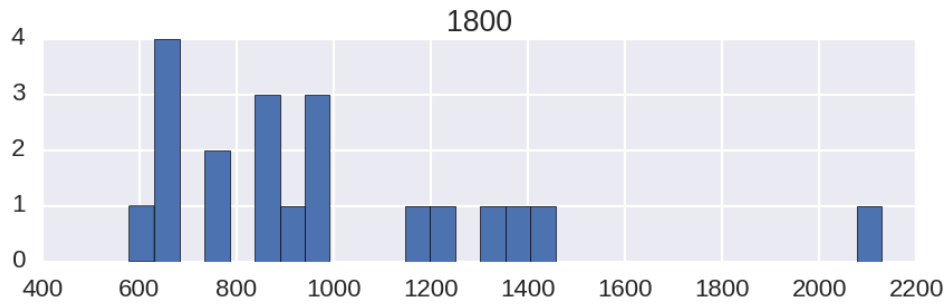
### Overview

Income inequality has increased in North America over time. The goal of this exercise is to examine whether income inequality has increased in other regions of the world as well.

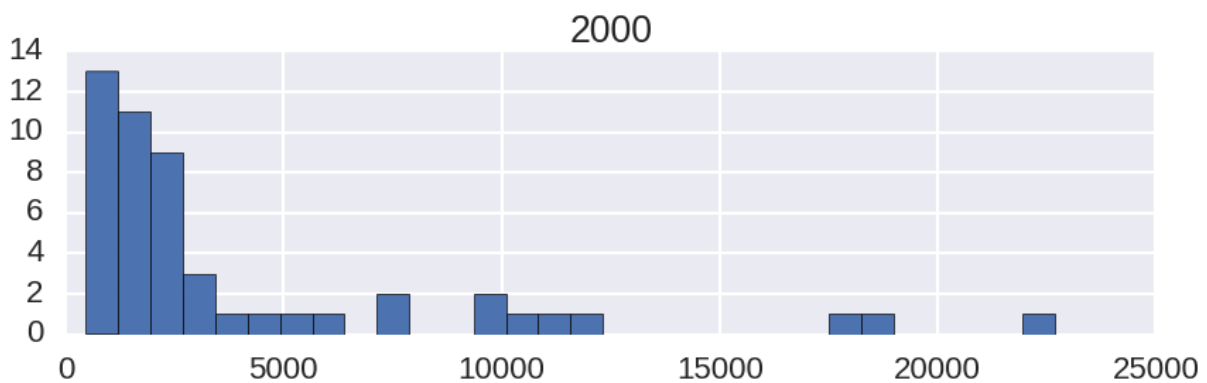
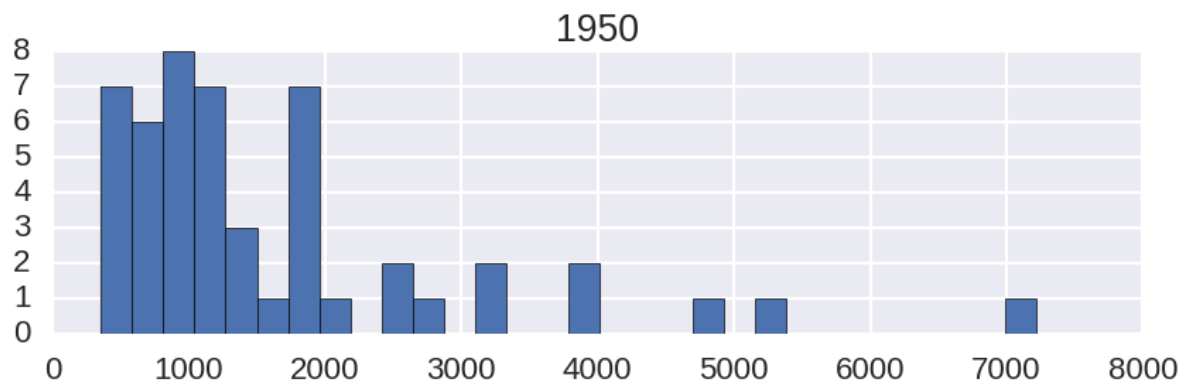
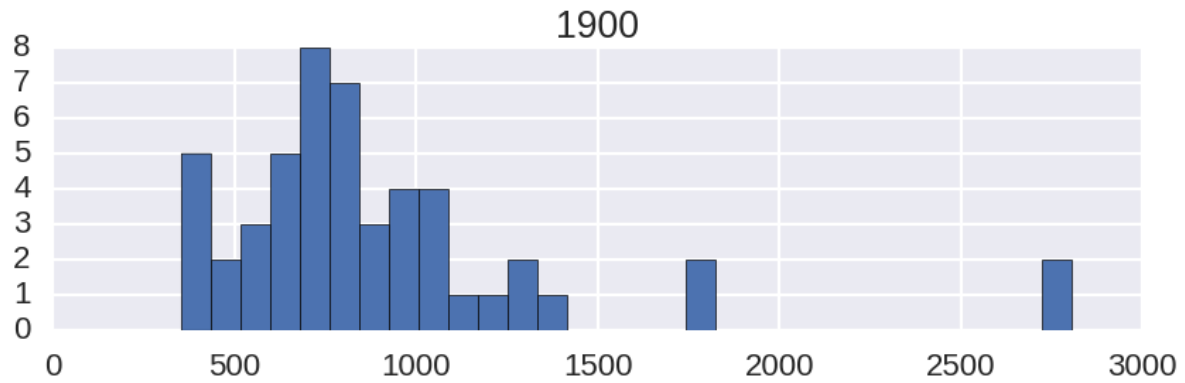
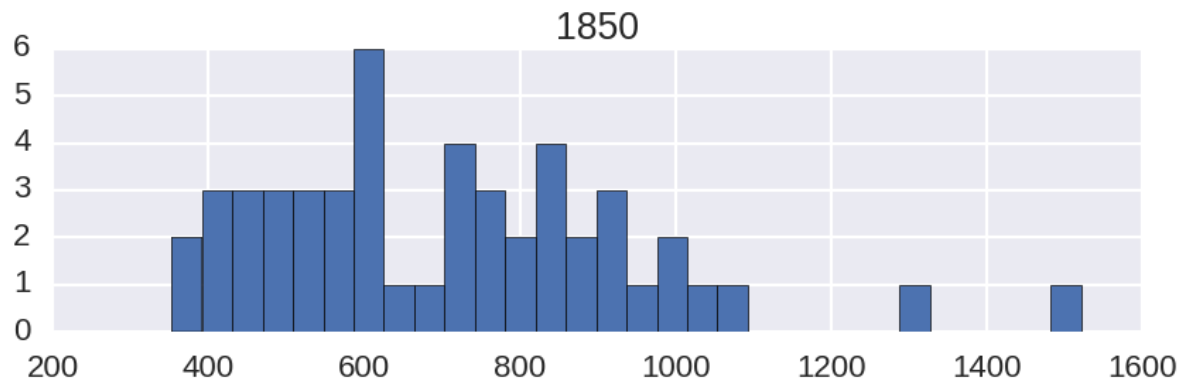
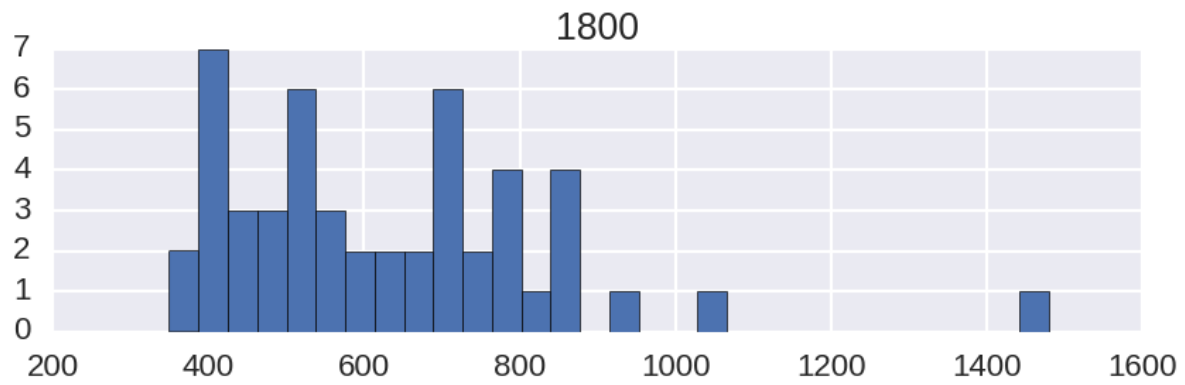
### Useful commands

- **Force y axis labels to be integers** (originally, some of the histograms had floats for the count (1.0, 2.0), while other subplots had integers. This looked weird.)
  - `from matplotlib.ticker import MaxNLocator`
  - `ax.yaxis.set_major_locator(MaxNLocator(integer=True))`
- **Adjust image size** (originally, the histograms were too squished, and it was hard to see the results)
  - `fig, axes = plt.subplots(nrows=5,ncols=1,figsize=(9,16))`
  - 9 is the horizontal distance; 16 is the vertical distance

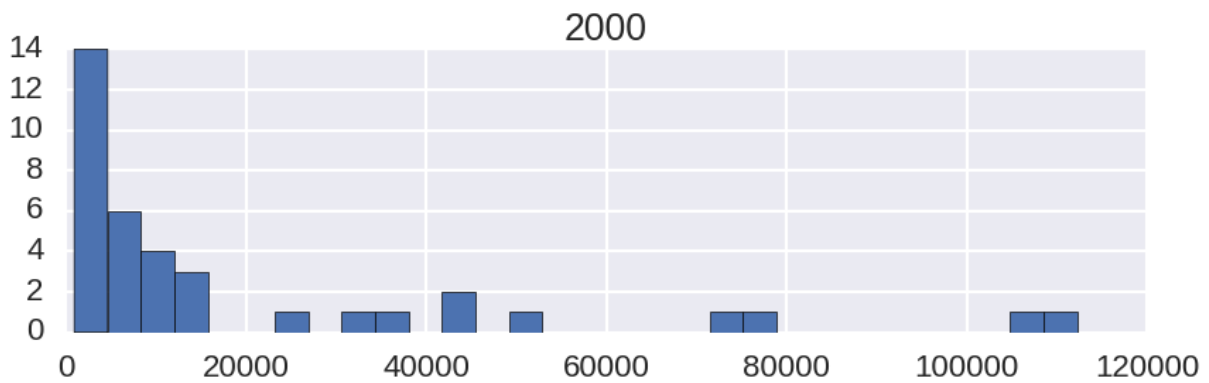
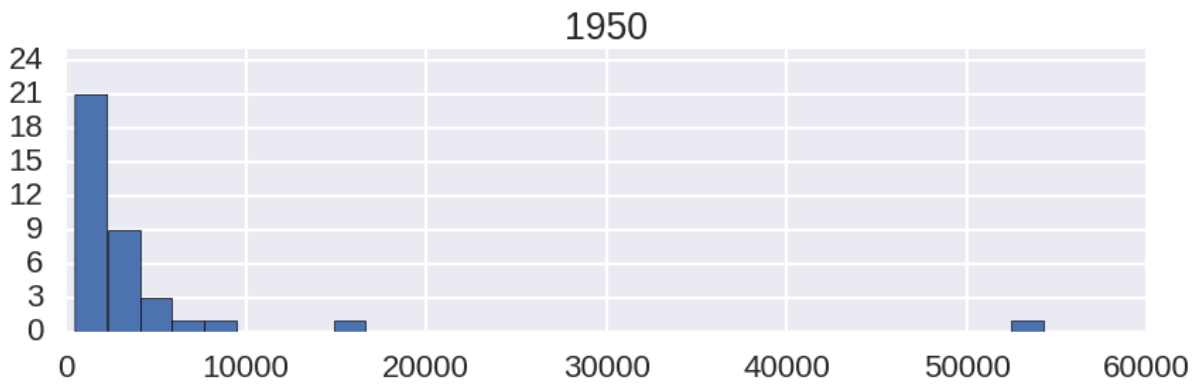
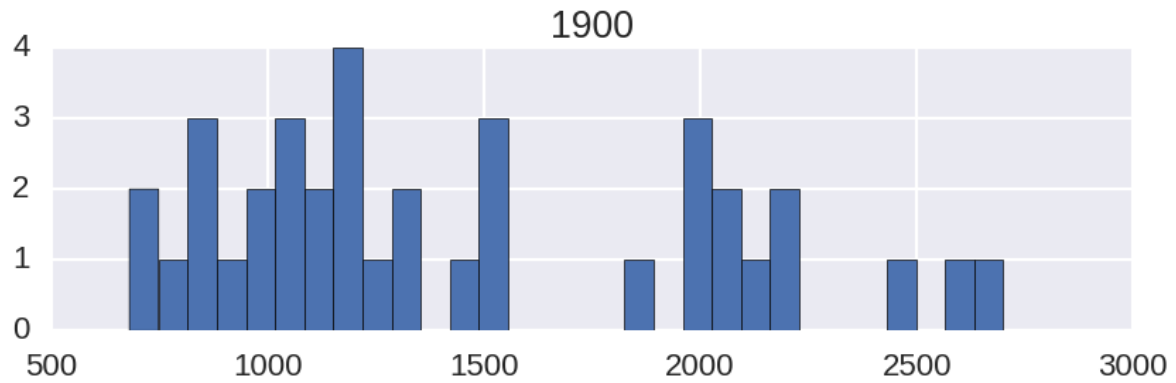
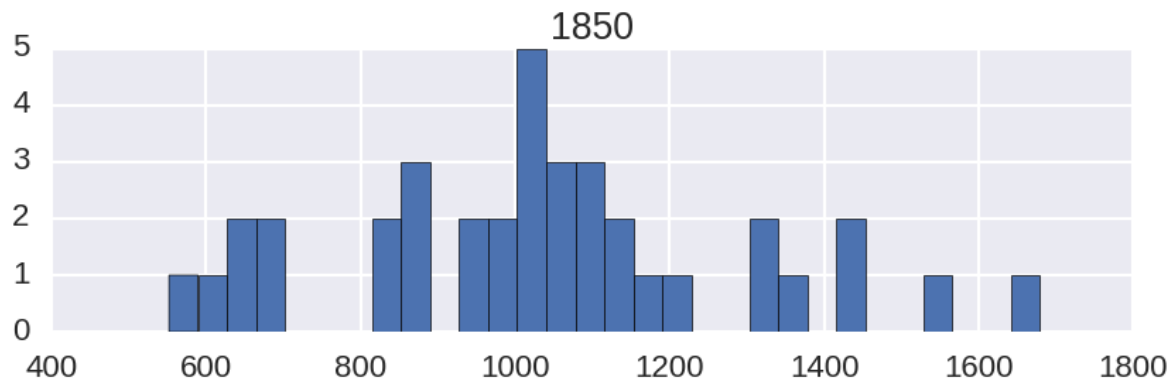
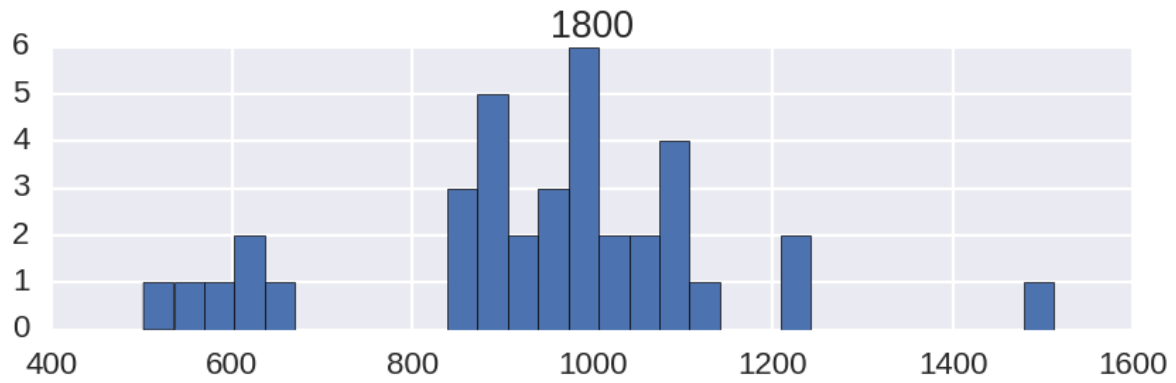
Distribution of GDP Per Capita in NORTH AMERICA over time



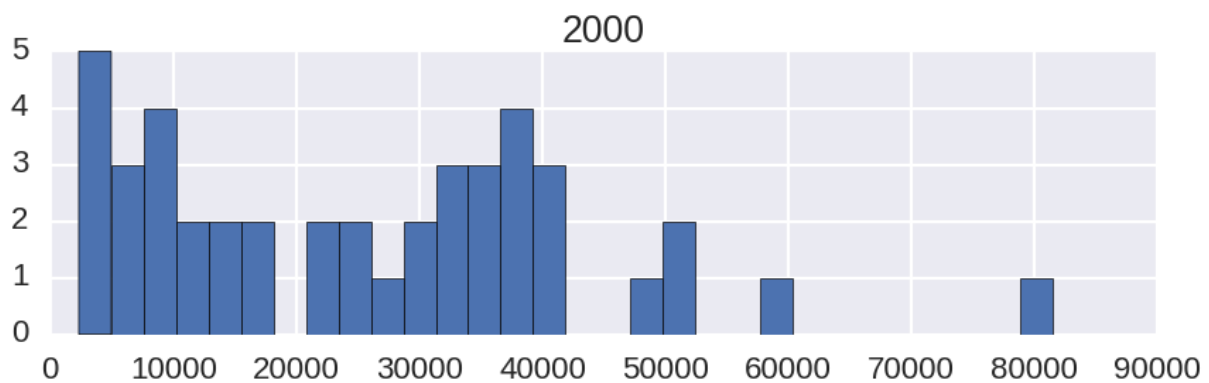
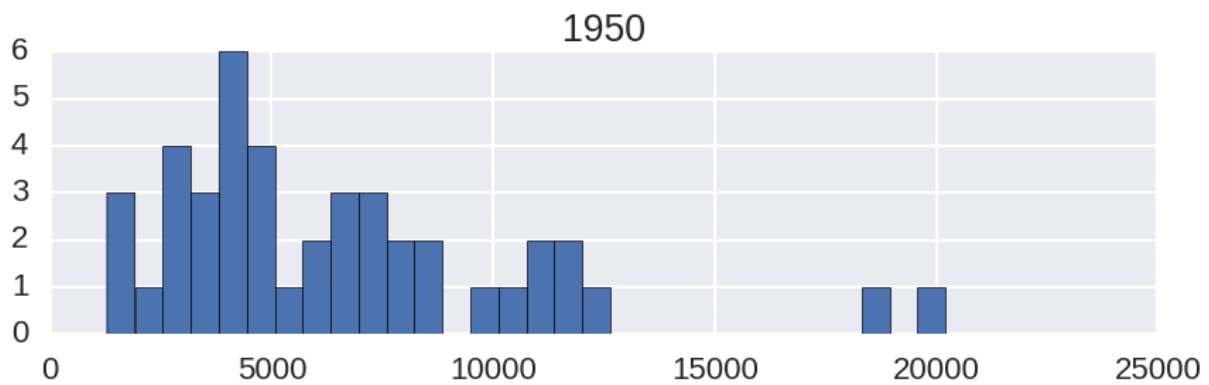
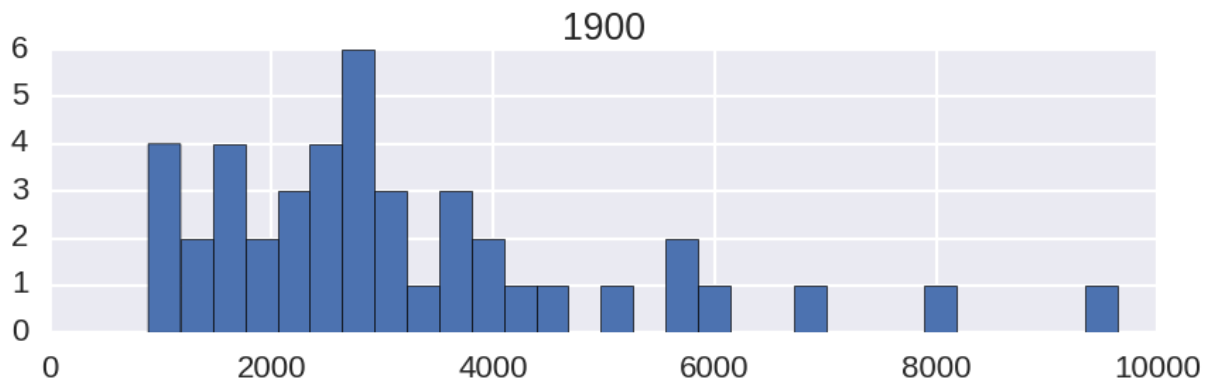
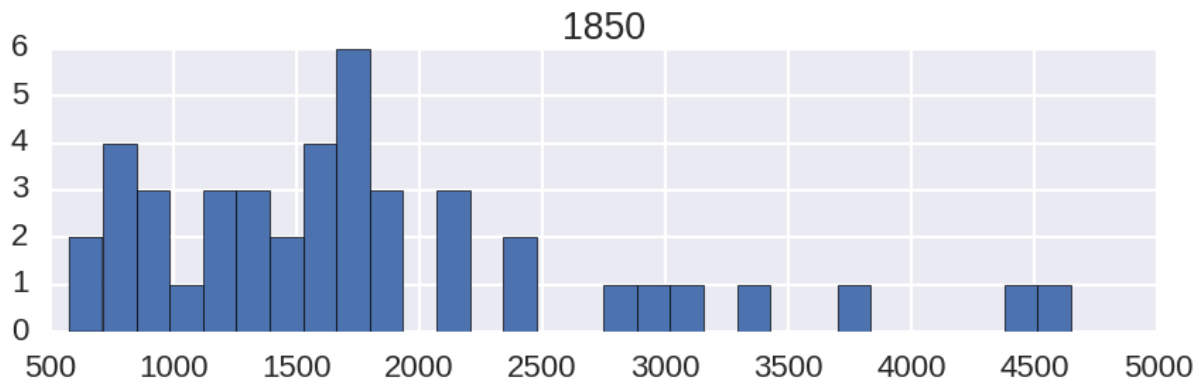
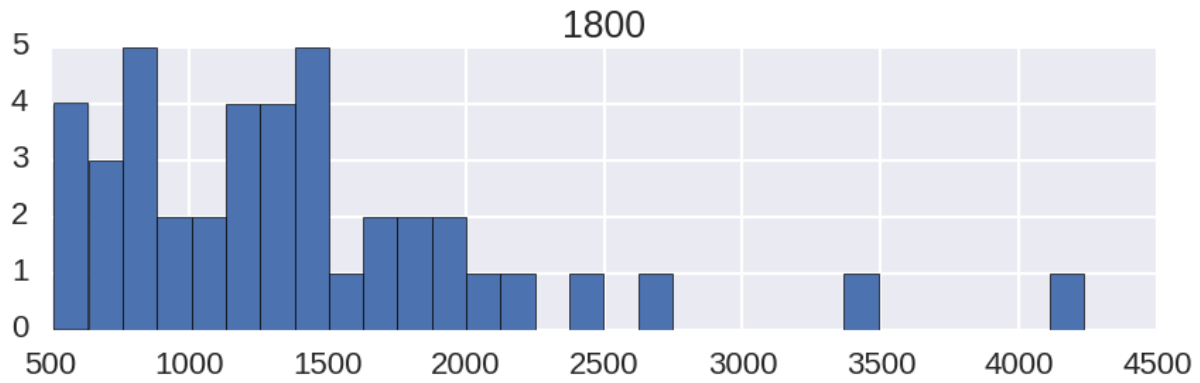
# Distribution of GDP Per Capita in AFRICA over time



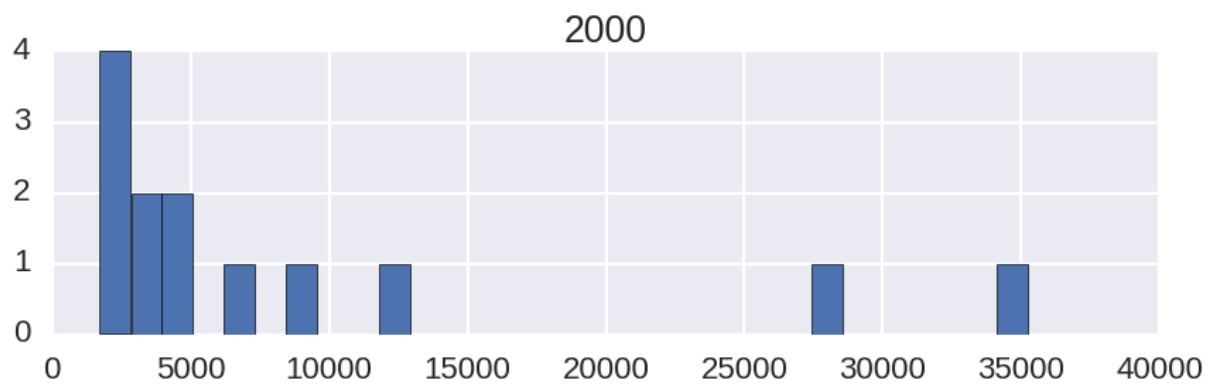
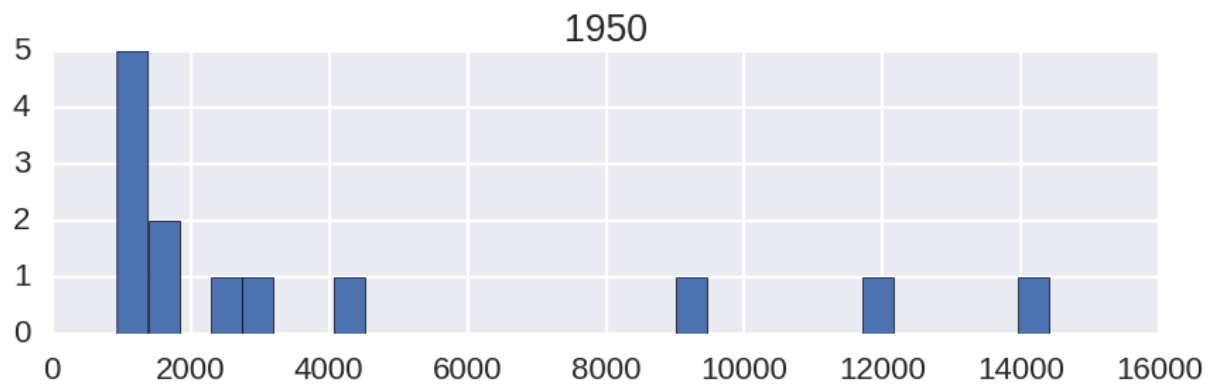
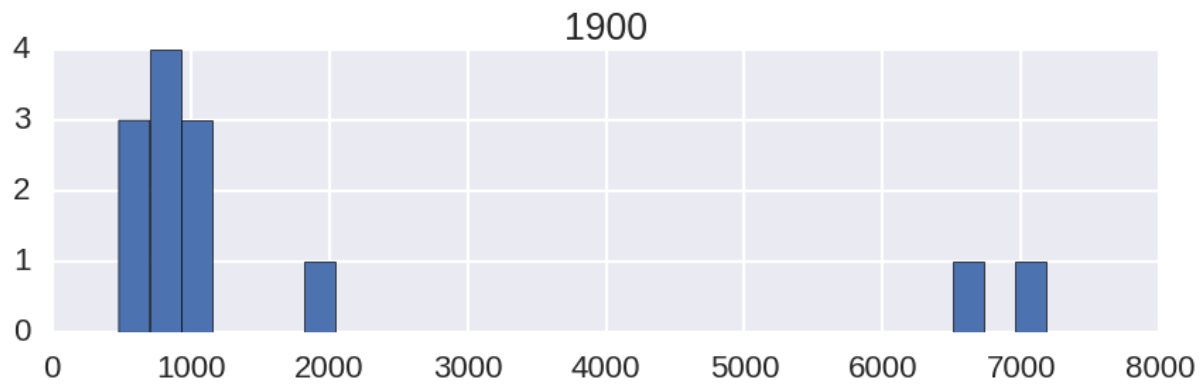
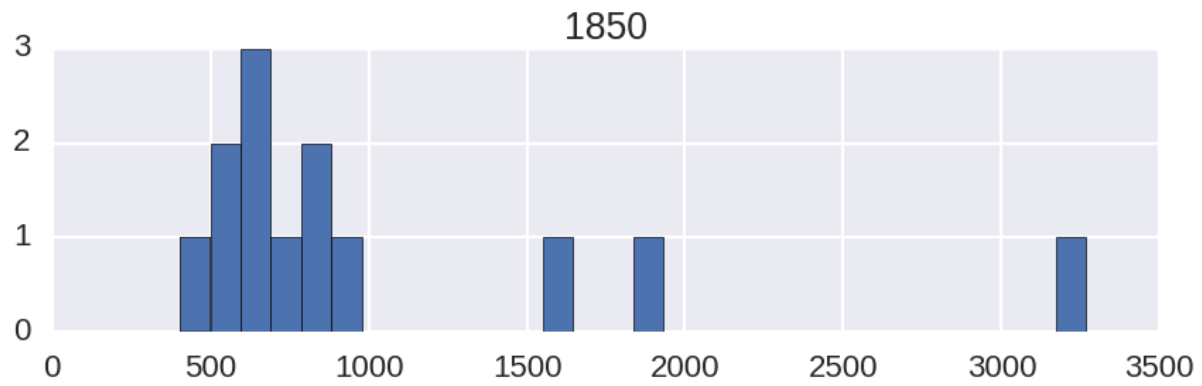
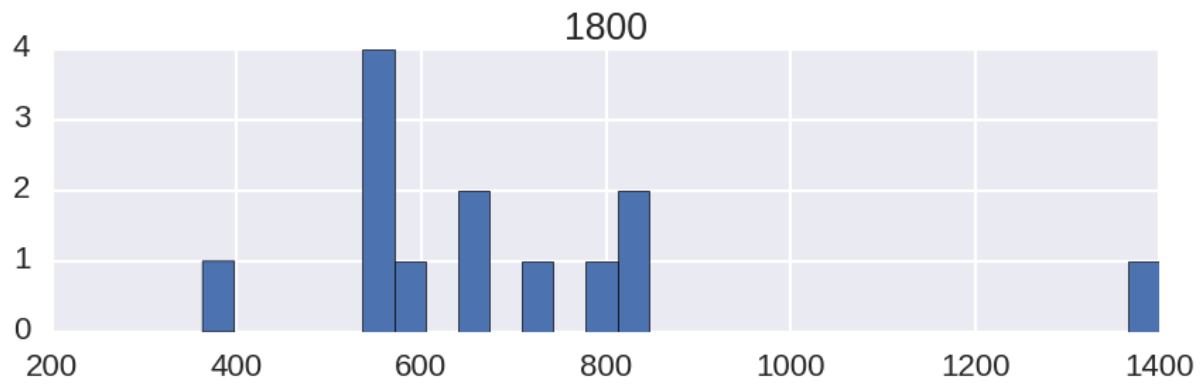
# Distribution of GDP Per Capita in ASIA over time



# Distribution of GDP Per Capita in EUROPE over time



# Distribution of GDP Per Capita in OCEANIA over time



# Distribution of GDP Per Capita in SOUTH AMERICA over time

