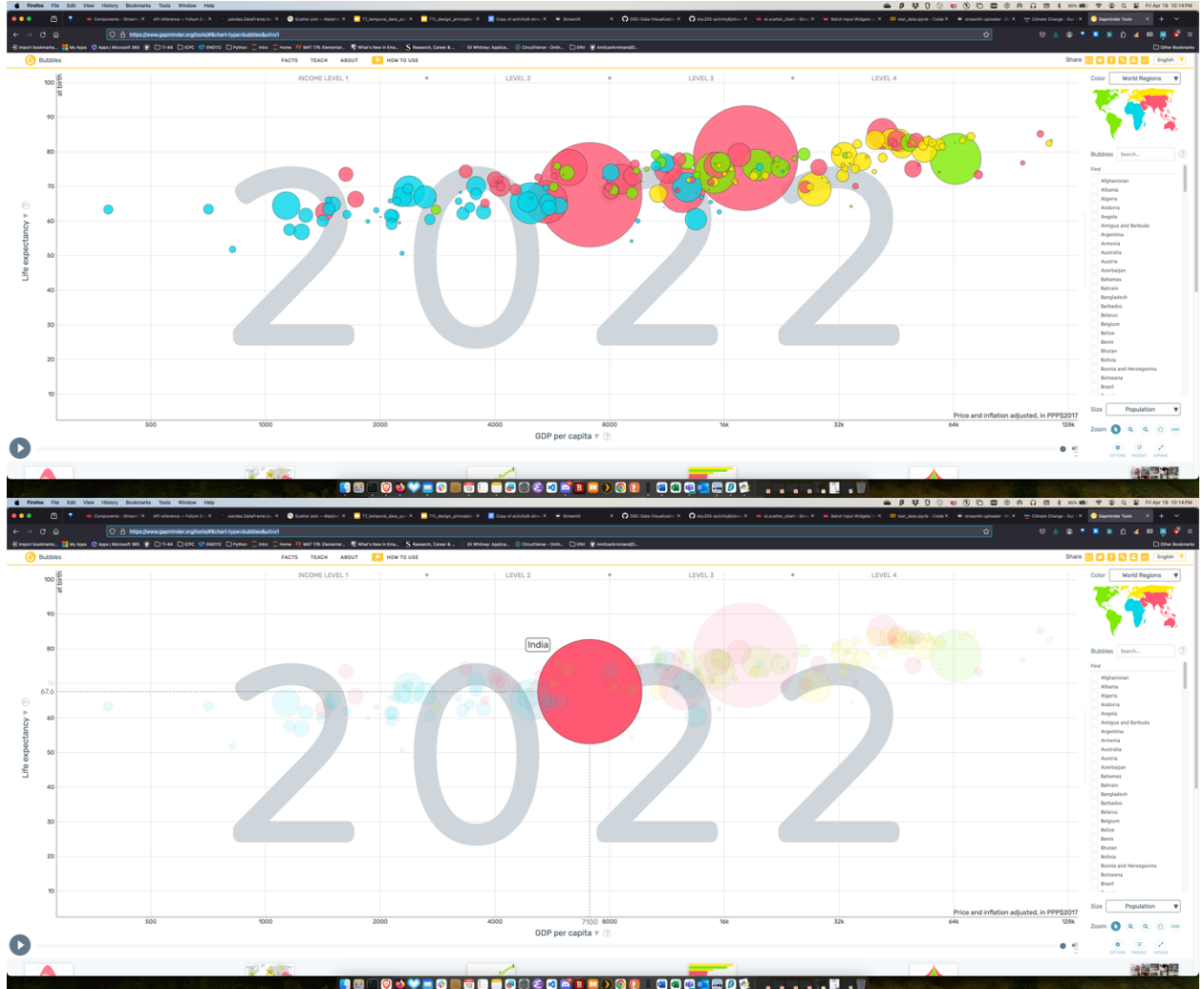


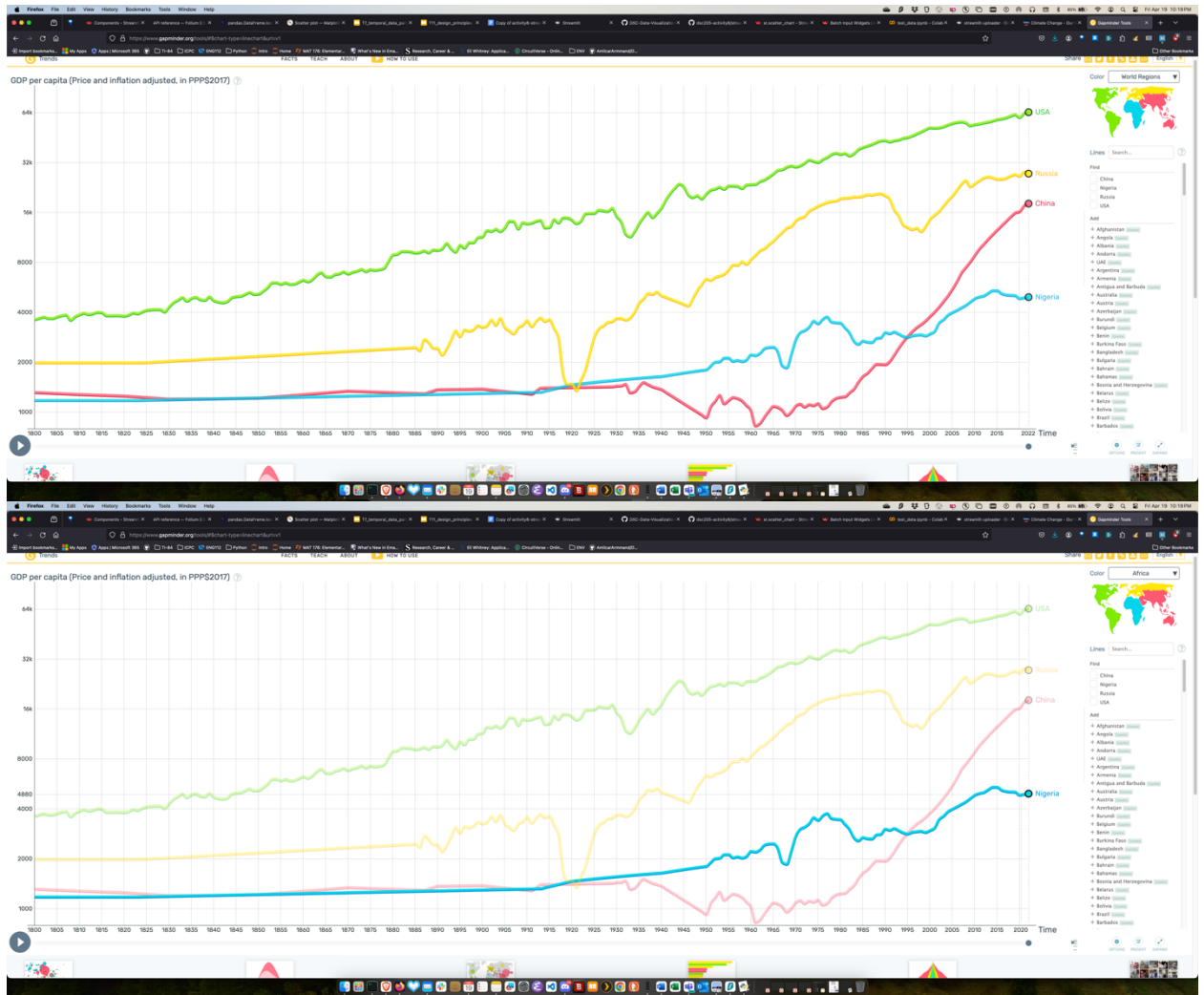
- Pre-attentive cues
- Gestalt principles: proximity, similarity, connectedness, continuity, closure, common region, focal point.
- General guidelines: 1) show data important to argument, 2) remove clutter, 3) integrate graphics and text, adding explainers.
- Color: color blindness, choice of color palette (qualitative, sequential, diverging)

Exercise 3

- [https://www.gapminder.org/tools/#\\$chart-type=bubbles&url=v1](https://www.gapminder.org/tools/#$chart-type=bubbles&url=v1)



- This GDP per capita to Life expectancy good interactive elements that allows the view to easily isolate, find, and view data.
- It removes clutter by making other elements transparent to draw the viewers eyes to the data creating pre-attentive cues.
- It uses dashed lines to clearly show the values on each axis.
- GDP per capita



- The text labels clearly identify the data for each line to mitigate issues of viewers who are color-blind.
- When a line is selected, other lines are made transparent to provide continuity in the line the viewer wants to focus on.

Exercise 4

- The data needs to be cleaned to combine the subsets of the 3994 responses that are the same with different capitalization.
- All the colors are too distracting.
- The text labels need to be closer to the data it represents so the viewer is not constantly looking back and forth between them.

Exercise 5

- It needs to incorporate text for viewers who are color-blind.
- High cognitive load because of the shape.

- Needs to integrate the text with the color bands to show all the data points for the three years listed.