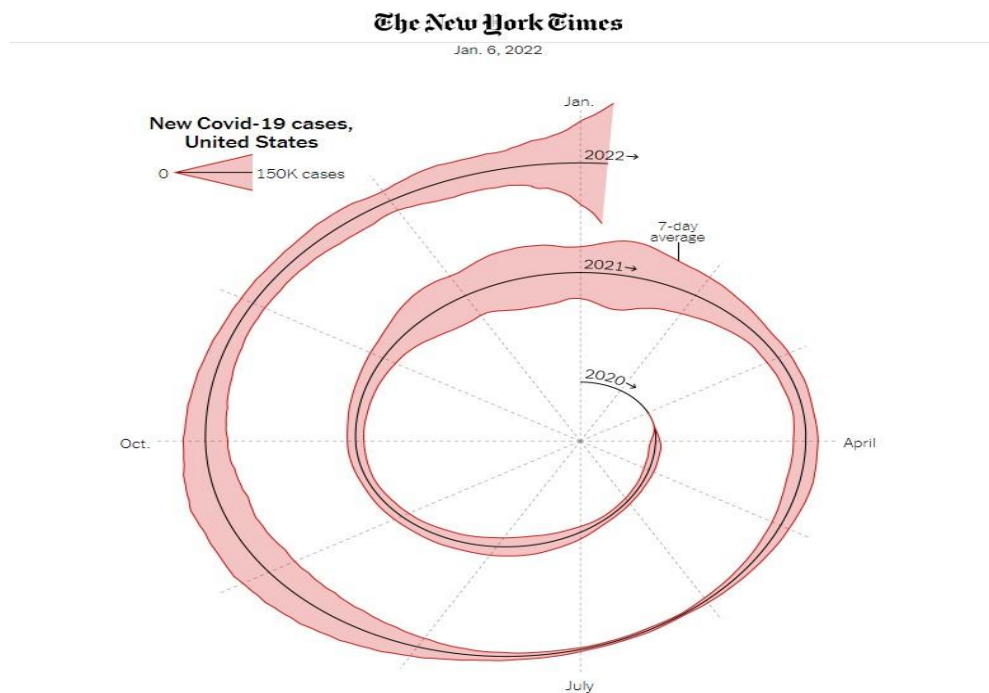


Data Visualization with Python

Homework 1

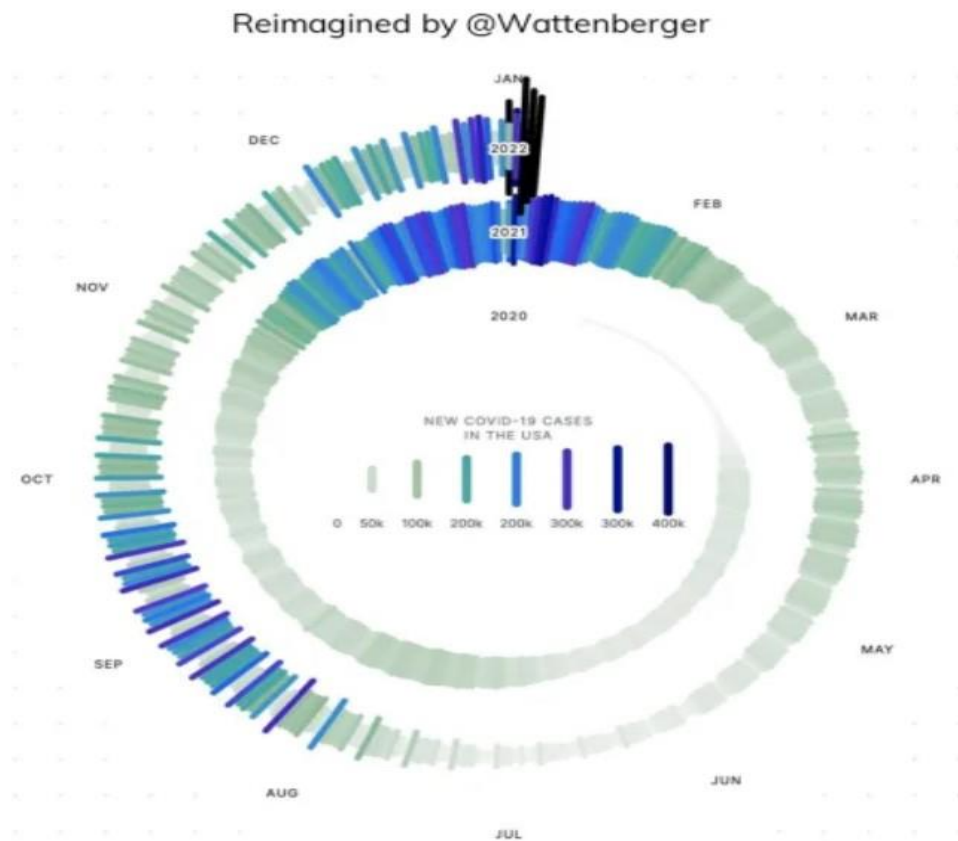
Critical Analysis of a Graph (Good/Bad Graph)



I have chosen a graph from a news article The New York Times published on Jan 6, 2022 for analyzing, which shows new Covid-19 cases from the starting of the 2020 to Jan 2022 in the USA in a **spiral form**. This graph has been discussed a lot both positively and negatively, I have studied some articles about this and reached a conclusion for myself:

I dislike this graph because of **some missing features of a standard graph**, at the same time I like this graph as it shows a **holistic view** of the whole scenery. Firstly, thinking of the **audience**, it will be difficult for people to understand it as it is a newspaper article and people from different backgrounds would read this, also, it is not possible to **quantify** this graph easily and find the time periods where the **peaks** are. But at the same time, it expresses a overall view of the covid-19 situation in a different graphical form, which is helpful to understand the trend of this virus over a long period of time.

So, I think this graph can be really helpful and informative, if some features were added to it, which was done by Amelia Wattenberger in the following graph:



Original Post:

<https://www.nytimes.com/2022/01/06/opinion/omicron-covid-us.html>

Discussions:

- 1) <https://questionsindataviz.com/2022/01/10/why-is-the-nyt-spiral-graph-getting-so-much-attention/>
- 2) https://junkcharts.typepad.com/junk_charts/nyt/?fbclid=IwAR30iBmKQy6jIH31KJFWJtK_9gobtWX2dlgb50Cw-NEfgzJ63hV7XK0ua0c
- 3) <https://www.youtube.com/watch?v=YWOWF9Vi4Mw>