Project 5

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**Part 1: Github**

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**Part 2: Account of Process**

**Data:** <https://ourworldindata.org/explorers/monkeypox?facet=none&country=OWID_WRL~OWID_NAM&Metric=Confirmed+cases&Frequency=7-day+average&Relative+to+population=false>

**This data is Mpox (previously known as “Monkeypox”) cases from May 1st, 2022, to October 19th, 2023. The visualization I was aiming to recreate is a line graph of the 7-day average of all cases and cases in North America. Here is the visualization created on the Our World In Data explorer tool:**

A graph of a number of cases

Description automatically generated

**Here is the visualization recreated using Matplotlib/Pandas:**

A graph of a graph showing the average of the world and north america

Description automatically generated with medium confidence

**As we can see, the date is not visible here. However, we do get the expected shape of the graph.**

**Excel:**

A graph of a number of cases

Description automatically generated

**Tableau:**

A graph of a number of people

Description automatically generated with medium confidence

**Personally, I found Jupyter to be the easiest to use. While I’m sure Excel and Tableau works well for a lot of people, it seemed like the software was doing what it wanted to, and I was nudging it in the right direction. I liked the control Juypter offered. It leaves the least to chance.**

**In Excel, I had trouble excluding the other locations from my graph. I also had trouble with the other columns that weren’t relevant to my graph. I ended up using Jupyter to filter the data and create a new dataset with only what I wanted. Excel is the most accessible and it was the easiest to create a quick graph, but**

**In Tableau, I found the interface to be a little unintuitive. It also made the most assumptions about what I wanted to do. If I was familiar with it, I could see how this could work well in business settings. It seems very good for presentations. It is the most readable.**

**Part 3: Requested Data**

1. **Data from Meta (Instagram)**
   1. **Requested all data Meta has, but the only Meta service I use is Instagram.**
   2. **Arrived and Downloaded**
2. **Data from Google Services (Gmail, Youtube, Drive, etc.)**
   1. **I use a variety of Google Services daily. I asked for all data they have.**
   2. **Arrived and Downloaded**
3. **Data from Spotify**
   1. **Requested all data from Spotify, a service I do not use frequently.**
   2. **Requested on Tuesday, still waiting for the link.**