

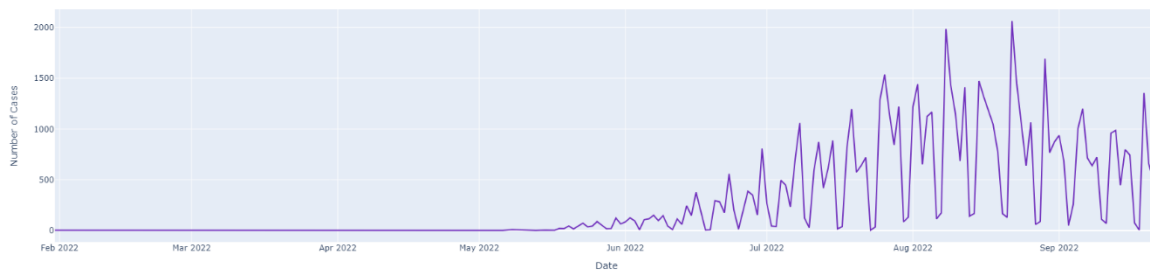
Monkeypox Data Analysis

Case Intensity World Map

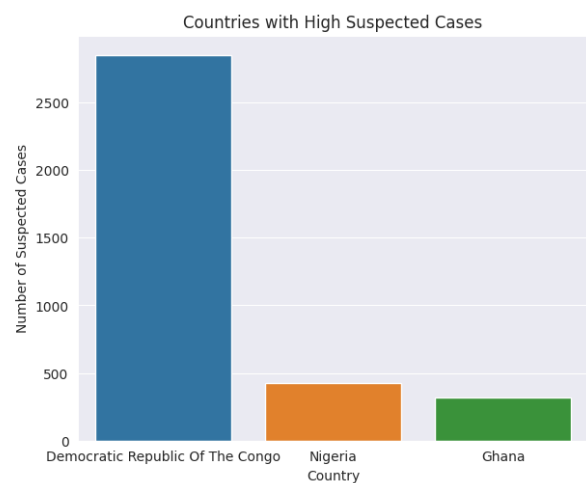
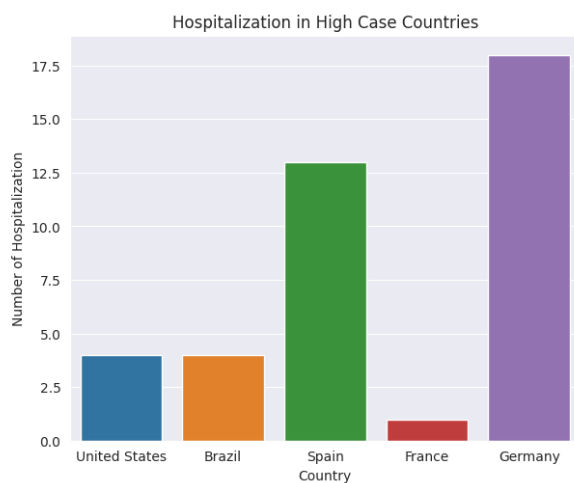
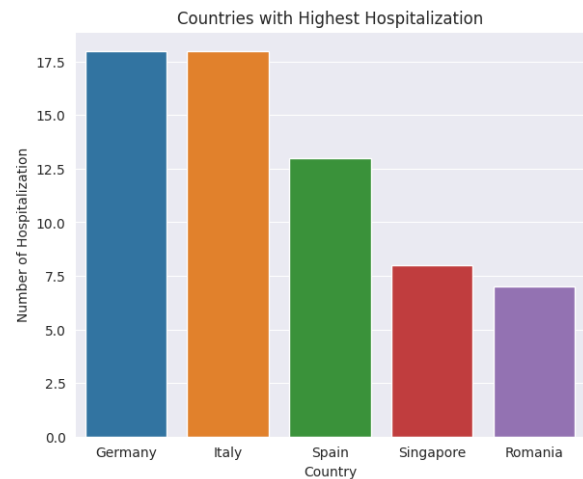
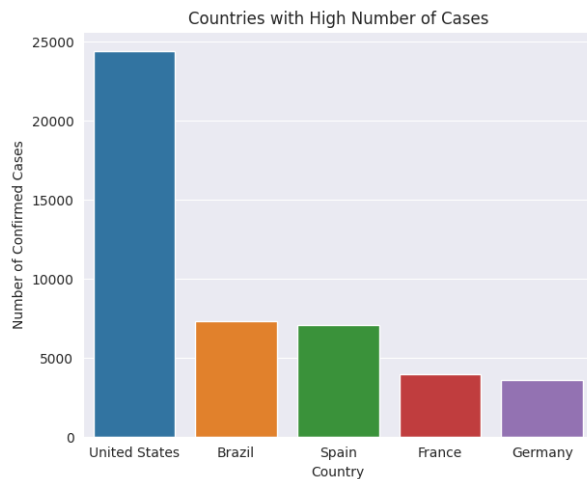


Monkeypox is a contagious disease caused by the monkeypox virus. As part of our study on the disease that caused a global outbreak in the summer of 2022, alarming the World Health Organization, we conducted data analysis. You can read the graphics and comments on our study, which examines the outbreak from different perspectives, by scrolling through.

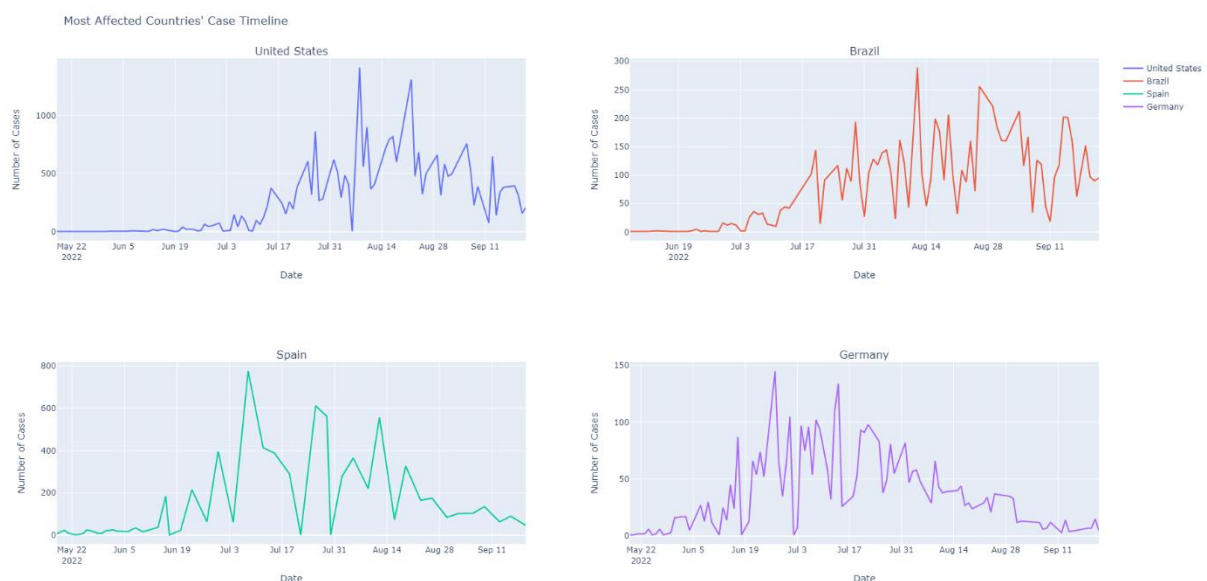
Worldwide Case Timeline



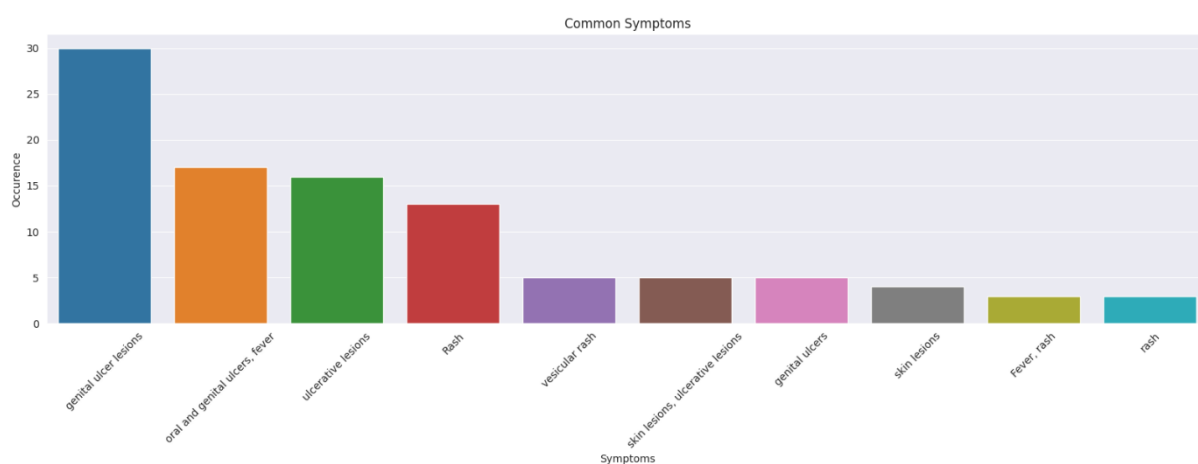
As can be seen from the above graph, the outbreak began to rise globally in June 2022. It is also clearly visible from the graph that the spread occurred in waves. We can say that the daily number of cases peaked globally at the end of August and then started to decline in subsequent periods, but it did not completely subside. The virus, which particularly showed its impact towards the winter period, is now at low levels as of the spring of 2023.



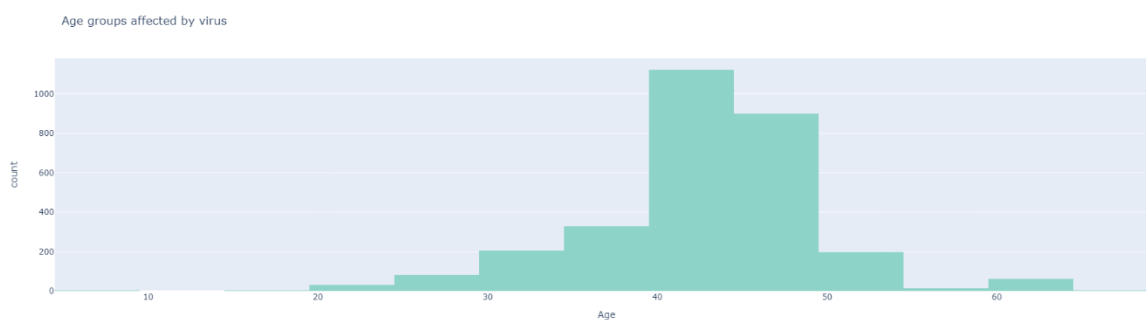
The country with the highest total number of cases by far is the United States, as can be seen. In Europe, Spain stands out. Looking at hospitalizations, we see that the highest number is in Germany and Italy. The fact that hospitalization is very low compared to the number of cases shows that the disease is generally mild. We also see that the highest number of "suspected cases" is in the Democratic Republic of Congo. We can predict that test facilities are not yet mature in places where this value is high.



Above, we see the case timelines of the countries where the virus spread the most. The virus, which started to affect Europe especially in the early stages, later spread to North and South America continents, causing a severe increase in the number of cases in the United States and Brazil at the beginning of August in these continents as well.



The most common symptoms recorded in the cases are also shown above. Genital Ulcer Lesion has been the most common symptom in our data. This symptom was followed by fever, redness, rash, and some other skin lesions. As can be seen from here, the disease especially manifests itself on the skin. Therefore, it can be confused with other measles-like diseases.



According to the recorded data, it has been observed that the disease mostly infects people in the age range of 40-50. It should be noted that this age group is particularly active in social and working aspects. We can see that the disease spreads less among people below and above this age group.

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