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Individual report

In our team I believe that we were very cooperative and from the beginning we had distributed roles to each member of the team. So, we had results from the second week of the block. Two members, Jay and Nik, were responsible to work on the dataset and the other two, me and Liveris, worked on the visualization using Javascript and D3 mostly. We had meetings at least one time each week, beside the lab hours, where we discussed about the challenge and how we could approach it.

Firstly, Liveris constructed the map and I added the timezones, where the local time changes dynamically at each one, according to the BMT. The next thing to do was to split and aggregate the data, because the original dataset was too big to be processed. As soon as the DataMining members provided us with the csv file based on the average values, Liveris made a geo visualization and I implemented the filtering option and the legend next to the visualization which explains the shapes and the colors of the locations. But with that visualization we were losing information, so we decided to work with the maximum values on each location. So Jay and Nik had to do the time-consuming task to reprocess the whole dataset. In parallel, Liveris implemented the scatterplot which focuses on each location. When we located the first virus (policyStatus=5), we decided to work on it. So Nik created a csv file containing information about the infected ips, Liveris using almost the same visualization implemented the "Infected ips" option and I implemented the linegraph of the number of the infected ips per class through time.

Then we thought that we should focus on each region, but it was too complicated so we focused on each timezone. Nik splitted the data per timezone based on the coordinates and I created the linegraphs which display the number of machines of each class through time. Then we found that there is something wrong with timezones 1 and 4. Also, we found that during the anomaly of timezone 1 we had disappearing locations. So Jay extracted a file containing information of these locations and I visualized them through time.

Finally, Jay took the responsibility to summarize what we discussed during our meetings and write down the weekly reports of our progress.

It is obvious that everyone contributed equally in the construction of our project. An advantage of our team was that we worked from the beginning of the course with the challenge and that we had already worked with d3 from a course of the previous block.