



MIS-376 KNOWLEDGE MAPPING AND DATA VISUALISATION

Report of World Happiness Rates During Pandemic



MAYIS 2021

LECTURER : DOÇ. DR. H.KEMAL İLTER

Prepared by : FURKAN KAHRAMAN-16030411039

WORLD HAPPINESS RATES DURING PANDEMIC

While I was thinking about what problem I should address in the context of Covid-19, I suddenly thought of the most fundamental problem, the happiness of people and their level of well-being. I thought this way, in our country, the welfare level is already declining and people's satisfaction with their lives is gradually decreasing. On top of all this dissatisfaction, when the global pandemic situation that came with the Covid-19 virus came, people became even more tense. People stayed at home for over a year and couldn't go to work, school, or even anywhere. I said, "Of course, there will be other people interested in this issue when the epidemic is global, and I immediately started to search the data set on the "kaggle.com" website.

There is a "happiness report" available every year for the whole world. Users who add dataset to the Kaggle.com website regularly take this report and convert it into readable and visually processable data formats. At first, I thought of only downloading the data of the pandemic period, but then I thought it would be more effective to compare it with the data of a few years ago. I downloaded the data of the world and immediately started to search the tools in the pdf file sent by our esteemed teacher. I do not know Python and similar programming languages used in data visualization, Thus,I preferred "datawrapperr", a tool that has a visual interface and is easy to use and does not require coding.

I visualized the data one by one. The tool I used for visualization clearly disappointed me a bit, because the graphic I dreamed of was visualizing happiness data applied on a world map. Also, the columns in the datasets I found could not be marked efficiently in the datawrapper, the visualization tool. I have indexed the horizontal and vertical axes in the chart entirely to the ladder score and healthy life expectancy data. Later, I moved on to the evaluation part specific to Turkey. I can say that I had some difficulties in this part. Since there are not many datasets specific to Turkey, I created the datasets manually. Then I compared them as well. I also took a look at the researches made by the Turkish media in Turkey. I examined the data of the Türkiye İstatistik Kurumu and included them in my presentation. While doing these researches, besides the unhappiness brought by the pandemic process, I came face to face with the fact that our country is getting more unhappy every year. In addition, people living in Turkey are expected to live a healthy life every year. All this aside, I realized that Turkey's regression to the 105th place among 157 countries in the happiness ranking is not just about the pandemic.

Finally, I presented the presentation and graphics I prepared in detail in the video.