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**Report**

**Impact of COVID-19 on Automotive Industry**

**MIS376**

**Knowledge Mapping**

**And**

**Data Visualization**

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The most difficult part of the construction phase of this project was choosing the subject of the project. Covid-19 was a new process in our world and its effects emerged over time, so it took time to find the areas or sectors it affected and to collect data for these areas. First, I determined the subject of my project as “ the effect of covid-19 on the rates of working at home ”. However, it was very difficult to collect data for this subject, because I thought that this subject would not be suitable for the project, since it was a common working method in other countries before the pandemic and the employees generally viewed working from home positively. Afterwards, I decided to change the subject of the project to “ the impact of covid-19 on the automotive industry”. My close follow-up of automotive prices recently helped me a lot in choosing this issue. The increase in automotive prices and taxes during the pandemic period is an indication that this sector has been adversely affected. It was easier to find data for the automotive sector, which is one of the sectors that Covid-19 affected the most. After reading the articles, news and other sources on this topic, I realized that this issue is one of the negativities caused by covid-19. Covid-19 has had very significant effects on the automotive industry. The declines in automotive production, sales and demands are an indication that this industry has been greatly affected. It was very important to find enough data on this subject and I found enough up-to-date data on the internet. Especially some sites that I have added to the references section have been very helpful.

In the data visualization part, there were many tools that I could use and I chose Google Colab to use it. Because phyton is an easy programming language. At this stage, I easily completed the visualization phase with the help of the information I learned in the lesson and the information I got from the internet. First of all, I saved some of the data I collected in excel files to visualize and used these files on google Colab. I combined the data I collected with the pyhton codes I wrote and completed the visualization phase of the data. And I used these graphics on the slides. While presenting my project, I first briefly started with the impact of Covid-19 on the world and used the data related to it. Instead of giving these as preliminary information, I wanted to bring the reader to a more dominant position on the subject, and then I shared the data showing and effects on the automotive industry. Then, I finished my presentation.

One of the biggest reasons I prepared this project is to inform the reader. It seems that Covid-19 and its effects will continue to be in our lives. I hope it has been a project that can create awareness and tell the reader what they want to tell.