You will need to do some research, some thinking, some math, and some writing. These should be professional quality 1 to 2 page summaries with your conclusions clearly stated and justified.

**Analysis Paper #1**

“How has the supply, demand, price and quantity for product/service XXXX changed in your local area due to COVID-19? Use words and graphs to show the situations in 2019 and 2020. You choose XXXX.” For example, if I chose NYC retail space rent for XXXX then I'd need to discuss changes in the number of businesses in NYC (if any), changes in the amount of retail shopping (if any) and how these changes interact.

**Analysis Paper #2 – Demand and Descriptive Theory**

You are to choose one of the simple data sets here: <https://www.newyorkfed.org/microeconomics/databank.html> You can choose two look at two related datasets if you’d like to. You can work alone or with one other person; if you work in a group of two looking at two datasets may be a good idea. Please choose from these icons: Credit Cards, Student Debt, Auto Loans. Inside each of these menus there are the datasets.

For the data you have selected I want you to do two kinds of analysis:

* Some simple statistical analysis: most of these data are segmented by time or by subgroups of some sort. Display these data in a clear, concise way. Make visible any important trends or statistical differences
* Develop a descriptive financial economic theory that tries to explain the data you see in terms of what was happening in the US in that sector of the economy at that time. This will require you to do some research which you will you cite in a bibliography and you will also need to do some informed speculation (that’s fancy talk for smart guesses) to try to explain the data.

It may be very helpful for you to install the Analysis ToolPak in Microsoft Excel. The instructions for that are here: <https://support.microsoft.com/en-us/office/load-the-analysis-toolpak-in-excel-6a63e598-cd6d-42e3-9317-6b40ba1a66b4>

**Analysis #3**

Use the same data set you used for Analysis #2. In #2 you found something in the data and put forward a descriptive theory to explain the data: its trend or lack of a trend, its causes, strange jumps up or down, and other things. Now for Analysis #3 -- if your descriptive theory about the data is true, what will happen going forward in time? Will certain groups of people change their demand? Will certain kinds of companies do well in the near future, and/or other firms fail (supply)? Complete the picture: descriptive theory --> data --> prescription for the future.