

1. **Please provide one paragraph description of the goals of your project. You can list the same description from the previous deliverable or provide new details about aspects that have changed since Week 4.**

: We are trying to analyze the statistical relationships between worldwide Covid-19 data (cases and deaths in major economies incl. US, China, Eurozone, etc.) and price data of major financial products (NASDAQ, S&P500, US Treasury yields, etc.) and commodities (Crude oil, natural gas, gold, wheat, soybean, etc.). Our program will perform linear regressions on the data and publish a report on web browser.

2. **For each source of data that you expect to use, please list the source of data, who will be responsible for collecting data from that source, and a date by which you expect the work of gathering the data from that source to be complete.**

: Here is the list of sources of data we are currently working on, and we expect the data-gathering to be complete by the end of February. **Jihae** is responsible for writing the data collection module.

(Covid-19 data)

- (Our World in Data) <https://ourworldindata.org/coronavirus>
- (WHO) <https://covid19.who.int/>

(Financial market data)

- (NASDAQ Data Link) <https://docs.data.nasdaq.com/>
- (EIA) <https://www.eia.gov/>

3. **Please give a brief sketch of the work that needs to be done to complete your project (other than data collection), include a description of which team member(s) will be responsible for completing this work and the expected timeline for completion.**

: After we collect the data, we will preprocess the data to be in an appropriate time series format. We plan to use pandas, scikit-learn, matplotlib, mpld3 libraries to run regressions on the data, plot graphs, and publish reports.

Jihae is responsible for writing the data collection and preprocessing module.

Jin Seong is responsible for writing the regression and visualization module.

Mar. 5	Completion of data collection and preprocessing module
Mar. 12	Completion of regression analysis and visualization module
Mar. 16	Final submission