A new COVID-19 world data dashboard was built. The goal of this dashboard was to provide sufficient and representative look of the current COVID-19 pandemic situation. The data processed for the dashboard consisted of daily number of COVID-19 confirmed cases, daily number of deaths related to COVID-19, and the latest number population of countries. Data from 223 countries in the world were included.

Of all the many metrics that are recorded and generated from the COVID-19 situation, only 5 were selected for visualization. These five metrics were considered representative of the pandemic and were visualized in the form of time series line charts, choropleth map, bar charts, and table. Minimum number of metrics were chosen to help people grasp the overview of the situation more quickly while not overwhelming them with details.

The metrics chosen were :

**New case 7-day rolling average**The average number of daily new confirmed cases, calculated over the last seven days.

**New death 7-day rolling average**The average number of daily new deaths, calculated over the last seven days.

**New death 7-day rolling sum**The sum of deaths, calculated over the last 7 days.

**Daily new death per million 7-day rolling average**The average number of daily new deaths divided by the latest number of population, calculated over the last 7 days.

**Case fatality rate 7-day rolling value**The 7-day rolling sum of deaths divided by the 7-day rolling sum of confirmed cases.

The COVID-19 confirmed cases and deaths dataset were obtained from The Center for Systems Science and Engineering (CSSE) at Johns Hopkins University (JHU) <https://github.com/CSSEGISandData/COVID-19/tree/master/csse_covid_19_data> . The population data were obtained mostly from World Bank Open Data <https://data.worldbank.org/> . Population data of several countries with smaller populations were obtained from scattered sources in the internet. All of the population number were from the year after 2019.

The dashboard were built with Microsoft Power BI. The data processing were performed with Power Query and DAX language within Power BI. The Power BI PBIX file of the dashboard can be found at Github with prefix 1266. https://github.com/nugi1209/NadiData.com