# Capstone Project - The Battle of Neighborhoods (Week1).

## Part One: A description of the problem and a discussion of the background.

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Coronaviruses are a group of viruses that cause disease in mammals and birds. In human coronaviruses cause respiratory tract infections that are typically mild, such as common cold. Coronaviruses are transmitted between animals and humans. . The most common symptoms of COVID-19 are fever, tiredness, and dry cough. Some patients may have aches and pains, nasal congestion, runny nose, sore throat or diarrhea. These symptoms are usually mild and begin gradually (WHO, 2019).

**In this project, I will use World health Organisation dataset to achieve the following:**

1. Data Preprocessing
2. Preforming exploratory data analysis on the world data using Plotly, Matplotlib and Seaborn
3. Visualizing the geospatial data concerning china using Folium and cufflinks
4. Exploring the Venues of the locations that has hi gh number of cases (confirmed, recovered, deaths).

A description of the data and how it will be used to solve the problem.

As mentioned above, the data used is World Health Organisation dataset which contain the following fields:

1. County/Region
2. Province/State
3. Latitude
4. Longitude
5. Confirmed: Number of Confirmed Cases
6. Recovered: Number of Recovered Cases
7. Deaths
8. Date: Date of the report

A description of who will be benefitted with the analysis and visualization of the solved problem.

* Data can be served to many of the medical companies to analyse and develop medicines to treat the coronavirus virus.
* Developing Precision Medicine and New Therapies
* Improving efficiencies for operational management of health care business operations.
* Accuracy of diagnosis and treatment in personal medicine.
* Increased insights to enhance cohort treatment.
* Increased Administration efforts of Embassies/Hospitals/Airline Indusrtries of various countries to tackle and bring down the root problems.

This is the data repository for the 2019 Novel Coronavirus Visual Dashboard operated by the World Health Orgnaisation.

# References

1.**WHO. 2019.** Coronavirus. *World Health Organization.* [Online] 2019. https://www.who.int/health-topics/coronavirus.

**2.** Gabriel Preda. 2019/2020. coronavirus-2019ncov. Kaggle. [Online] 2019/2020. <https://www.kaggle.com/gpreda>.