Week 1

This is a capstone project from Coursera and IBM where we will be analysing the power stations in Singapore.

We will be using the data from the following website;

https://en.wikipedia.org/wiki/List_of_power_stations_in_Singapore

to segment the type of power stations and their locations to understand the current power generation landscape in Singapore.

There are talks of building another power station and the various interested parties are going to use this report to determine the feasibility by having a clearer picture on the power generation landscape before moving on to the next step of building the power station

This study will enable the us to determine the following;

1. What are the different type and weightage of power generation available in Singapore
2. Where are the different location where energy are generated in Singapore.
3. If we were to build another new power station, what type of power generation should be installed?

The Data provided will be:

1. The locations of the existing power stations in Singapore
2. The type of power generation employed by the various power stations
3. The capacity of the individual power station in Singapore
4. The year each power station was commissioned.
5. The owners of the different power stations in Singapore

How can problems be solved:

1. By listing the different locations of the power stations graphically, we can have a cleared picture of where the power stations are located. The interested parties can understand the following

    a. Where can the next power station be built at? Infrastructure are available at the current available locations
    b. If there is any over-congestion at any particular location

2. The different kind of power generation.

    a. Should there be diversification for the power generation
    b. Should there be more investment in alternative form of power generation.
    c. The new power generation is environmental friendly

2. What is the most prevalent form of power generation;

    a. Is that the most efficient form of power generation.
    b. What other type of power generation is available