**Project proposal**

Interested:

* Potentially predict potability of water based on

pH of water (0 to 14).

Hardness: Capacity of water to precipitate soap in mg/L.

Solids: Total dissolved solids in ppm.

Chloramines: Amount of Chloramines in ppm.

Sulfate: Amount of Sulfates dissolved in mg/L.

Conductivity: Electrical conductivity of water in μS/cm.

Organic\_carbon: Amount of organic carbon in ppm.

Trihalomethanes: Amount of Trihalomethanes in μg/L.

Turbidity: Measure of light emiting property of water in NTU.

(Machine learning).

* Explore the reasons/factors that make/contribute to safe drinking water (visualisations).

Data Source/s:

Kaggle: https://www.kaggle.com/adityakadiwal/water-potability

* contains water quality metrics for 3276 different water bodies

Breakdown:

* Day 1 – topic selection based on requirements, identifying potential data sets.
* Day 2 to day 4 – Project work
* Day 5 Project modifications
* Present project