

Bi-Weekly Report:

Meeting 2:

- To-Do
 - Search for literature
 - get to know your data set
 - Write import script for data set and prepare data filtering (cities, pollutants, ...)
- Tools
 - workspace needed. [In-process]
 - HTW Cloud to share the PDF.
- Analytical goals
 - 1st goal is to predict 1 hour with input data of 6 hours.
 - 2nd could be weeks.
- Preparation of the project plan.
 - May
 - Data and Project understanding.
 - literature research
 - June
 - Selection of models as per the data.
 - July
 - Selection of autoML level. (mostly 3)
 - Aug
 - Finalizing the project.
 - along with paper work
 - Sept
 - Finishing the paper work.

Meeting 3: (06-06-2023)

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Work done:

- Understanding of the data. ([refer dataUnderstanding.ipynb](#))
 - knowing the data set.
 - main db.
 - cities db.
 - chemicals db.
 - merging the dbs to as per convince.
- Graphs ([refer graphs](#)).
 - Plotting bar graph the data for each chemical in a single
 - 6 graphs = 6 chemicals as **y** and cities as **x**
 - Correlation Matrix of all columns.
- Discovering facts about data. ([refer dataUnderstanding.ipynb >> Facts about data](#))
 - The number of cities with Stickstoffmonoxid [nitric oxide] data available is: 61
 - The number of cities with Stickstoffdioxid [nitrogen dioxide] data available is: 61

- The number of cities with Schwefeldioxid [sulfur dioxide] data available is: 7
- The number of cities with PM2.5 data available is: 46
- The number of cities with PM10 data available is: 59
- The number of cities with Ozon data available is: 29
- The data is available from 2019-12-31 to 2022-10-01