



Main data sources

- Dynamic ground water levels , consumption , recharge volumes are taken from the official data repositories of Indian government : [data.gov.in - Dynamic ground water resources](#)

State-wise Ground water recharge structures and their expenditure for the years 2014-2017 is collected from : [data.gov.in - From Ministry of Drinking](#)

- Ground water resource availability , utilization & Development stages are from [data.gov.in - Ground water ministry](#).

Geojson data

- Json dataset for mapping of each and every district in India is forked from [Indian districts GeoJson](#).

Other supporting data

- For calculating the relative values with each state/union territory area, it is scraped from [Indian States Area\(sq km\)](#) and integrated with the above data.
- Latitude and Longitude of various States & Union Territories is scraped from [Indian States_UT's_LatLong](#).
- As the extraction is from various it was a hard time for cleaning and integration of these data.

Analysis

Region wise data is used to showcase various ground water levels on the map. Individual analysis of ground water usage, restoration , development projects , available water structures will do done for deeply understanding them. KMeans clustering is used for clustering on this whole data and another clustering is done solely on the usage statistics of various states.

