DATA SCIENCE

24 February 2022, Arun P M 2021DDS6005

Data processing & visualization for the Employment rate depending on elementary and secondary education.

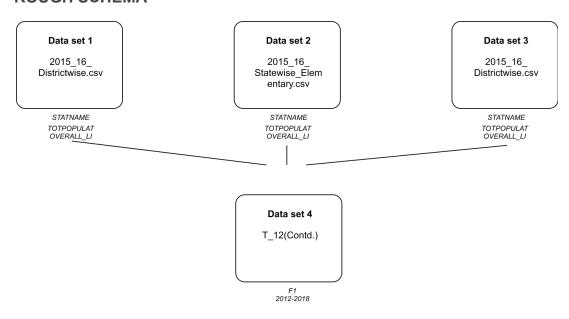
SOFTWARES USED

- MATLAB is a programming and numeric computing platform used by millions of engineers and scientists to analyze data, develop algorithms, and create models.
- Tableau can help anyone see and understand their data. Connect to almost any database, drag and drop to create visualizations.

OBJECTIVES

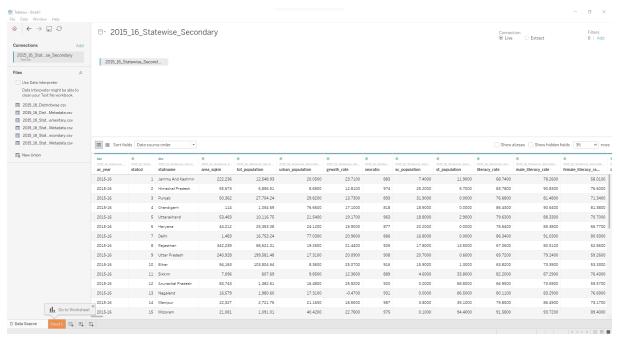
For this assignment, I closely wanted to look at how unemployment can be related to education in India. To compare these data sets of district wise education data ad unemployment data.

ROUGH SCHEMA

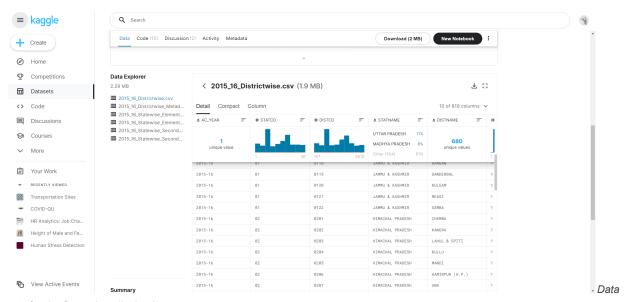


SELECTION OF DATASET

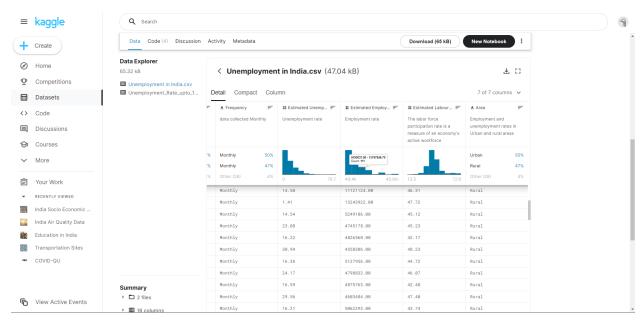
The dataset was sourced from "www.kaggle.com" about the "employment according to Indian Education". It contains 3 csv CSV files which could be used for data processing as well as visualization.



Data sets for the Statewise education data



sets for the Statewise_district data

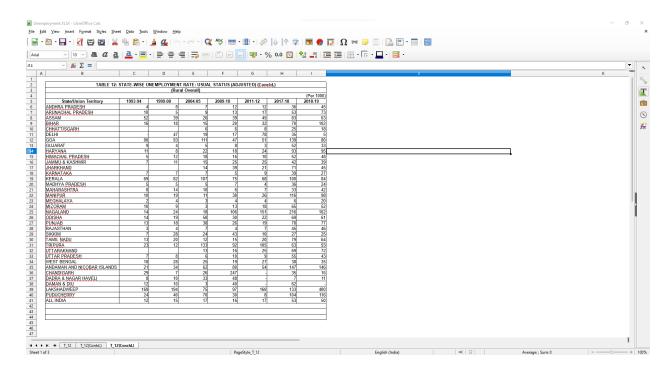


sets for the unemployment data

PROCESSING THE DATASET ON TABLEAU

Selecting the specific data sheet makes it easy to relate the

I started cleaning the data as to my requirements. using libre office.



Since this was having a different case structure of the State column which doesn't not match with the education data from kaggle.

DATA VISUALIZATION USING TABLEAU

Insights from the process:

- 1. Import the data in tableau
- 2. Use sheet view to come to place column and rows in graph view.
- 3. Check the number of persons and compare it with the data of the unemployment
- 5. Comparative analysis of statewise education vs unemployment visualisation.
- 6. Comparative analysis of literacy rate of the people in a particular state.