Problem statement:

In the framework of working to achieve Vision 2030, the Ministry of Human Resources wishes to employ newly graduated students from universities in the Kingdom of Saudi Arabia to fill jobs available in the country. Knowledge of preparing students in the most important disciplines. The Department of Data Scientists was asked to conduct a study on the data of students graduating in universities, including all disciplines at the university. And preparing a report on the results in order to develop a cooperation strategy with the Ministry of Education to keep pace with the development in new disciplines at the world level and to provide human cadres in the newly created jobs.

Questions:

- Number of BSc., master's degree, Diploma, and PHD graduate Students according to the years?
- Number of graduate students according to the gender of study?
- Sorting graduate students according to the university?
- Sorting number of students according to the field of study?

Data Description:

The data set is about number of enrolled university students by field of study in Saudi Arabia 2013-2018 The dataset provided by Saudi open data Type of data (TEXT, INT) Size of data (15*67983) Rows (67983) Columns (15) Name columns used (Year, number of students, Region, University Name, field, Specialization, gender, Academic level, Nationality, Education type, type of educational institution) Name columns do not need (Educational level, type of university, state, general field) website: http:// data.gov.sa/ar

Tools:

- Programs: SQLite, Jupyter
- Libraries: Pandas, NumPy, Seaborn and Matplotlib.
- Plots: pie plot, Histogram

MVP Goal

The aim of this project is to know the most specialized specializations in the preparation of students in recent years and compare them with vacant jobs in the country. Learn about the most growing specialties in the last five years