

Project Proposal

This report is one of the T5 Bootcamp requirements.
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What are the most important majors for the future?

Recently, we notice an increase in the number of the unemployed, and people are asking what are the causes of unemployment and what majors are required in the future to avoid the problems of not finding work.

In this study

- we try to help students how to choose their major based on our results.
 - we help the decision maker in Saudi Arabia to make the right decision to solve unemployment problem.
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Dataset

To achieve the goal of this study the dataset **Looking for a job 2021** will be used. This dataset can be found at **Open Data**

The dataset is available as the .csv file. a sample of data is shown in the following :

Columns:

- **ID**
- **Gender**
- **CITY**
- **Age**
- **EDU DEGREE**
- **MAJOR**
- **GPA**
- **GPA FROM**
- **INSTITUTE NAME**
- **INSERTED DATE**

We use features such as the major that contains the names of the majors, the GPA that contains the GPA obtained, and EDU DEGREE It contains the educational level

Tools

There are tools that will be used to achieve the goal of this study, such as: TensorFlow, matplotlib, pandas, Random first for discovering the data and train a model. The work will be done through Jupyter notebook.

To Do

Explore the data ,clean, classification then crate a model to fit the data ,train ,test and visualization it .

NOTE: the used features may be increased or changed and the model as well.