

Report

- **Abstract:**

Recognize and classify Arabic words to hate and offensive.

- **Design:**

The project must include a specific background that meets the customer's need.

- **Data :**

Main data source ALT (Arabic language technologies).

(<http://alt.qcri.org/~hmubarak/offensive/AJCommentsClassification-CF.xlsx>) It's collected from official websites

- **Algorithms:**

Clean duplicated data, explore, aggregate, and visualize the data as appropriate to address the client's problem

- **Tools:** work on Python, anaconda jupyter.

- Numpy and Pandas for data manipulation

Matplotlib and Seaborn for plotting ,nltk, pandas,matplotlib, sklearn, keras , numpy

- **Communication:**

--Recognize and classify Arabic words to Normal and Offensive--

In Language Comment :

(0 represent normal speech).

(-1 represent offensive speech).

(-2 represent very offensive speech).

