**Team Members:**

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**NLP Project Proposal**

**Business Problem:**

The Saudi Arabian government is thinking of creating a suicide hotline and it wants to know what are the most frequents words/patterns in Social media posts by suicidal victims to identify them and provide the needed help to them before they harm themselves.

**Data:**

Data is collected from r/SuicideWatch, r/depression and downloaded from Kaggle, it contains Text and the outcome of the writer, Suicide or non-Suicide.

Number of observation: ~230k

**Tools:**

Tools: Python, Jupyter Notebook.

Libraries: Pandas, SeaBorn, Numpy, Sci-Kit Learn, Keras, Tensorflow.