Detecting offensive language in SMU - PoC

ParallelDots Abusive Analysis

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**Description:**

Run a PoC in order to try to detect offensive language in SMU comments.

**Sample:**

All comments for last 30 days for Globant.

**Steps:**

1. Exported all SMU comments for last 30 days for Globant into csv file ***smu\_notes\_comments\_nlp\_reduced.csv***
2. Imported csv file into SQL in order to clean data (filter duplicates)
3. Explored comments and found out they are into two main different languages (English and Spanish)
4. Created a SQL code in order to rank words and check if a dictionary is necessary (Example: “x” 🡪 “por”)
5. Generated a wordcloud image with top 10 words used in comments

***SMU\_WordCloud.png***

1. Exported clean data into new csv file
2. Created a python code in order to read csv file with clean data and:
   1. Translate text into English using Google Translate API
   2. Abusive Analyze text using Abusive ParallelDots API
   3. Update results into SQL table

***smu\_process.py***

1. Export results into Excel file

***ParallelDots PoC Results.xls***

**Conclusion:**

Only a few comments were scored with high offensive (Abusive or Hate) language score and most of them look like false positives.