

Project Progress Report | Classification Competition

Which tasks have been completed?

- **Research about the problem:** I have completed a research about NLP and classification problems. I am not new to Machine Learning but I am new to NLP, so I had to do a deep research on the current technologies used for classification problems and for problems similar to tweets classification and sarcasm detection.
- **Find possible solutions:** I research articles, githubs and papers on models that solve similar problems to the classification competition. I deeply went through three or four that I could base my models from.
- **Implement models:** I implemented some models based on the ones I found during my research. I applied them to the classification problem and found a decent result on the train data partitioned in train and test.

Which tasks are pending?

- **Surpass the baseline in ranking:** my F1 score is 0.678 and the baseline is 0.723.

Are you facing any challenges?

- **Overwhelming start:** I already went through the challenge of starting and ramping up. At the beginning I had very little experience on using classification models for NLP. To overcome this challenge I did an extensive research on the current state of the art and I learnt in detail some of the most popular algorithms.
- **Surpass the baseline in ranking:** my F1 score is 0.678 and the baseline is 0.723.