Twitter Semantic Analysis

This is a dataset of tweets classified into one of the 4 classes: Regular, Sarcasm, Figurative and Irony

Content

The dataset consists of:

tweet: The text of the tweet

class: The respective class to which the tweet belongs. There are 4 classes -:

Irony

Sarcasm

Regular

Figurative (both irony and sarcasm)

Business Objective:

1. Need to get sentiment analysis of tweets gauge its impact and type

Architecture level analysis:

1. Data transformation/Text processing using R/Python
2. Need to get sentiments Analysis and Emotion mining with some charts like histogram, Density plot, Barplot, pie-plot etc.
3. Deployment through R Shiny or Flask/ Streamlit

**Milestones: Phase 1**

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| --- | --- | --- |
| **Milestone** | **Duration** | **Task start - End Date** |
| Kick off and Business Objective discussion | 1 day |  |
| Data set Details | 1 Week – 1 ½ week |  |
| EDA | 1 Weeks – 1 ½ week |  |
| Model Building | 1 Week – 1 ½ week |  |
| Model Evaluation | 1 week |  |
| Feedback |  |
| Deployment | 1 Week |  |
| Final presentation | 1 day |  |

Protocols:

1. All participants should add here to agreed timelines and timelines will not be extended
2. All the documentation – Final presentation and R/python code to be submitted before the final presentation day
3. All the participants must attend review meetings