|  |  |  |  |
| --- | --- | --- | --- |
|  | Definition of functions | input | output |
| Text Preprocessing | Combining NLP steps | Textual content with label | The bag of word matrix |
| ML preprocessing | Imbalance data textual content |  |  |
| Training | Machine learning training | Training machine learning algorithms | The trained models (confusion matrix) |
| Comparison | Comparison and visualization of algorithms | Confusion matrix | Visualization and comparison |
|  |  |  |  |

Works steps

|  |  |  |
| --- | --- | --- |
| Joe |  |  |
| Zara | Draft functions |  |
| Atousa |  |  |

Steps

Read through already existed packages and do comparison with what we are planning to do

GitHub

Blog

Writing a documentation of each function

Write the functions

Checking

Testing

Package

Shinny app

Final documentation