

Breakdown of Contributions by the Members for F20AA CW 1

Dubai UG Group 1

At a Glance

Member	Contribution %
1. Aysha Farheen	25%
2. Ayushi Amin	25%
3. Gayathri Nair	25%
4. Mayar Abdalla	25%

***Note:** Although each topic has some names assigned to them, in truth all members have collaborated on every task and contributed to some aspect of each task.*

Detailed Breakdown

Part A: Data Collection Task Breakdown

Task	Member
1. Authenticating the Twitter Account	Ayushi, Mayar
2. Initial Collector	Ayushi, Mayar
3. Collection of the Tweets	All members
4. Saving the Tweets Collected	Ayushi
5. References	Ayushi, Mayar

Part B: Data Labelling Task Breakdown

Task	Member
1. Utility Function	Gayathri
2. Load Tweets Data	Aysha, Gayathri
3. Vader & TextBlob Sentiment Labelling	Aysha
4. Comparing Textblob and Vader	Aysha
5. Emoji Sentiment Labelling	Gayathri
6. Add Hand Assigned Labels	Aysha, Gayathri
7. Save Labelled Tweets Dataset	Aysha, Gayathri

8. Calculate overall average of the Vader, TextBlob and the Emoji score	Gayathri
9. Adding to dataframe and comparing values to find the best suited library	Aysha
10. General Comparison	Aysha, Gayathri
11. Analyzing overall distribution of sentiments for Vader and TextBlob	Aysha

Part C, D, E : Text Analytics Pipelines Task Breakdown

Task	Member
1. Load Data	All members
2. Data Cleaning	Aysha, Gayathri
3. Expanding Contractions	Gayathri, Mayar
4. Tokenization	Ayushi
5. Stop Word Removal	Ayushi
6. Stemming	Mayar
7. Lemmatization	Mayar
8. Language Detection/English Filtering	Mayar
9. Preprocessing Pipeline	Gayathri
10. Data Splitting	Aysha, Ayushi, Gayathri
11. Feature Extraction	Gayathri
12. Classifier Evaluation	Aysha
13. Experimenting With Classifiers	All members
13.1. Logistic Regression Classifier	Mayar
13.2. Naive Bayes Classifier	Aysha
13.3. K-Nearest Neighbors Classifier	Aysha
13.4. Neural Network Classifier	Gayathri
13.5. Linear Support Vector Machine Classifier	Aysha, Ayushi
13.6. LSTM Research	Ayushi
14. Topic Modelling	Aysha, Gayathri
15. Word Clouds	Aysha, Gayathri
16. Conclusion	All members

17. References	All members
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Other Tasks

Task	Member
1. Meeting Minutes	Gayathri
2. Video Editing	Gayathri
3. GitHub	Gayathri
4. Documentation	All members