# Linguistic Experiments

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| --- | --- | --- |
| **Dataset** | **Accuracy Score (%)** | **F1 Macro Score (%)** |
| ISOT [Titles] | 87.23 | 87.23 |
| ISOT [Articles] | 89.9 | 89.9 |
| LIAR [2 Classes] | 63.94 | 57.58 |
| LIAR [6 Classes] | 23.34 | 19.66 |

# Ordinary TFIDF Experiments

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| --- | --- | --- | --- |
| **Dataset** | **Feature Variation** | **Accuracy Score (%)** | **F1 Macro Score (%)** |
| ISOT [Titles] | Unigrams | 92.56 | 92.56 |
| ISOT [Titles] | Bigrams |  |  |
| ISOT [Titles] | Trigrams |  |  |
|  |  |  |  |
| ISOT [Articles] | Unigrams |  |  |
| ISOT [Articles] | Bigrams |  |  |
| ISOT [Articles] | Trigrams |  |  |
|  |  |  |  |
| LIAR [2 Classes] | Unigrams | 64.29 | 60.74 |
| LIAR [2 Classes] | Bigrams | 62.89 | 57.93 |
| LIAR [2 Classes] | Trigrams | 62.37 | 60.68 |
|  |  |  |  |
| LIAR [6 Classes] | Unigrams | 22.81 | 22.46 |
| LIAR [6 Classes] | Bigrams | 18.96 | 18.09 |
| LIAR [6 Classes] | Trigrams | 18.44 | 21.65 |

**Note**: All “Ordinary” TFIDF experiments are performed on non-stopword text.

**Note**: All ISOT related TFIDF experiments employed TruncatedSVD to reduce the dimensionality of the input sparse matrix features.

# Lemmatised TFIDF Experiments

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| --- | --- | --- | --- |
| **Dataset** | **Feature Variation** | **Accuracy Score (%)** | **F1 Macro Score (%)** |
| ISOT [Titles] | Unigrams |  |  |
| ISOT [Articles] | Unigrams |  |  |
| LIAR [2 Classes] | Unigrams |  |  |
| LIAR [6 Classes] | Unigrams |  |  |

# Stemmed TFIDF Experiments

|  |  |  |  |
| --- | --- | --- | --- |
| **Dataset** | **Feature Variation** | **Accuracy Score (%)** | **F1 Macro Score (%)** |
| ISOT [Titles] | Unigrams |  |  |
| ISOT [Articles] | Unigrams |  |  |
| LIAR [2 Classes] | Unigrams |  |  |
| LIAR [6 Classes] | Unigrams |  |  |