# best models

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| --- | --- | --- | --- | --- | --- | --- |
| K-Nearest Neighbors | large + over + statistics + tfidf | 0.9888 | 0.986 | 1.0 | 0.9929 | 0.9993 |
| K-Nearest Neighbors | simple + over + statistics + tfidf | 0.9833 | 0.98 | 0.9992 | 0.9895 | 0.9992 |
| K-Nearest Neighbors | before + over + statistics + tfidf | 0.9854 | 0.9829 | 0.9988 | 0.9908 | 0.9977 |
| K-Nearest Neighbors | large + over + statistics + tfidf + pos + liwc | 0.9754 | 0.9698 | 1.0 | 0.9846 | 0.9964 |
| K-Nearest Neighbors | before + over + statistics + tfidf + pos + liwc | 0.9766 | 0.9712 | 1.0 | 0.9854 | 0.9964 |
| K-Nearest Neighbors | before + over + statistics + tfidf + pos | 0.9766 | 0.9712 | 1.0 | 0.9854 | 0.9964 |
| K-Nearest Neighbors | large + over + statistics + tfidf + pos | 0.9754 | 0.9698 | 1.0 | 0.9846 | 0.9964 |
| K-Nearest Neighbors | simple + over + statistics + tfidf + pos | 0.9766 | 0.9712 | 1.0 | 0.9854 | 0.9964 |
| K-Nearest Neighbors | simple + over + statistics + tfidf + pos + liwc | 0.9766 | 0.9712 | 1.0 | 0.9854 | 0.9964 |
| NN | before + over + statistics + tfidf + pos | 0.4844 | 1.0 | 0.3458 | 0.5139 | 0.9846 |
| Random Forest | simple + over + statistics + tfidf + pos + liwc | 0.5912 | 1.0 | 0.4813 | 0.6499 | 0.9833 |
| Random Forest | simple + over + statistics + tfidf + pos | 0.5912 | 1.0 | 0.4813 | 0.6499 | 0.9833 |
| Random Forest | large + over + statistics + tfidf + pos | 0.5806 | 1.0 | 0.4678 | 0.6375 | 0.9827 |
| Random Forest | large + over + statistics + tfidf + pos + liwc | 0.5806 | 1.0 | 0.4678 | 0.6375 | 0.9827 |
| Random Forest | large + default + statistics + tfidf + pos | 0.6812 | 1.0 | 0.129 | 0.2286 | 0.9814 |
| Random Forest | large + default + statistics + tfidf + pos + liwc | 0.6812 | 1.0 | 0.129 | 0.2286 | 0.9814 |
| NN | before + over + statistics + tfidf + pos + liwc | 0.4816 | 1.0 | 0.3423 | 0.51 | 0.9802 |
| Random Forest | large + over + statistics + tfidf | 0.5344 | 1.0 | 0.4093 | 0.5809 | 0.9795 |
| Random Forest | simple + default + statistics + tfidf + pos + liwc | 0.6748 | 1.0 | 0.1117 | 0.2009 | 0.9793 |
| Random Forest | simple + default + statistics + tfidf + pos | 0.6748 | 1.0 | 0.1117 | 0.2009 | 0.9793 |