# best models

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| --- | --- | --- | --- | --- | --- | --- |
| NN | large + over + statistics + tfidf + pos + liwc | 0.9918 | 0.9792 | 0.9958 | 0.9874 | 0.9993 |
| NN | large + over + statistics + tfidf | 0.9936 | 0.9833 | 0.9969 | 0.9901 | 0.9993 |
| NN | before + over + statistics + tfidf + pos + liwc | 0.9916 | 0.9862 | 0.9877 | 0.9869 | 0.9992 |
| NN | simple + over + statistics + tfidf | 0.9926 | 0.9799 | 0.9973 | 0.9885 | 0.9991 |
| NN | before + over + statistics + tfidf + pos | 0.9917 | 0.981 | 0.9935 | 0.9872 | 0.9991 |
| NN | large + over + statistics + tfidf + pos | 0.992 | 0.9799 | 0.9954 | 0.9876 | 0.9991 |
| NN | simple + over + statistics + tfidf + pos | 0.9916 | 0.9803 | 0.9938 | 0.987 | 0.9991 |
| NN | before + over + statistics + tfidf | 0.993 | 0.9829 | 0.9954 | 0.9891 | 0.999 |
| NN | simple + over + statistics + tfidf + pos + liwc | 0.9932 | 0.9836 | 0.9954 | 0.9895 | 0.999 |
| NN | before + under + statistics + tfidf + pos + liwc | 0.965 | 0.9943 | 0.9353 | 0.9639 | 0.9987 |
| NN | before + under + statistics + tfidf + pos | 0.9731 | 0.9808 | 0.965 | 0.9728 | 0.9984 |
| NN | before + under + statistics + tfidf | 0.9771 | 0.9863 | 0.9677 | 0.9769 | 0.9981 |
| NN | simple + under + statistics + tfidf + pos + liwc | 0.9731 | 0.9756 | 0.9704 | 0.973 | 0.9971 |
| NN | simple + under + statistics + tfidf + pos | 0.9717 | 0.9888 | 0.9542 | 0.9712 | 0.9967 |
| NN | large + under + statistics + tfidf + pos | 0.9704 | 0.9915 | 0.9488 | 0.9697 | 0.9966 |
| NN | large + under + statistics + tfidf | 0.9717 | 0.9916 | 0.9515 | 0.9711 | 0.9962 |
| NN | large + under + statistics + tfidf + pos + liwc | 0.9704 | 0.9834 | 0.9569 | 0.9699 | 0.996 |
| K-Nearest Neighbors | large + over + statistics + tfidf | 0.8839 | 0.7342 | 1.0 | 0.8468 | 0.9958 |
| K-Nearest Neighbors | simple + over + statistics + tfidf | 0.883 | 0.7331 | 0.9992 | 0.8457 | 0.9957 |
| K-Nearest Neighbors | before + over + statistics + tfidf | 0.8839 | 0.7346 | 0.9988 | 0.8466 | 0.9952 |