Abstracts Only								
Model	Training Set Accuracy	Independent Test Set Accuracy	Area under the ROC curve	Precision	Recall	Fscore		
BIOBERT-nsl + Logistic Regression	0.98324	0.822222	0.980764	0.856296	0.822222	0.814568		
TFIDF + Logistic regression	0.9	0.666667	0.975498	0.747654	0.666667	0.664625		
TFIDF + Naïve Bayes	0.748603	0.6	0.973499	0.533333	0.6	0.518413		
BERTS2L + Logistic Regression	0.994413	0.688889	0.968315	0.679003	0.688889	0.670675		
BIOBERT + Logistic Regression	0.944134	0.711111	0.966645	0.707884	0.711111	0.694241		
BERT + Logistic Regression	0.98324	0.688889	0.965909	0.684815	0.688889	0.675132		
BERT + Logistic Regression	0.972067	0.688889	0.965834	0.702963	0.688889	0.689097		
TFIDF + Random Forest	0.994444	0.777778	0.961877	0.765802	0.777778	0.753072		
BERTstsb + Logistic Regression	0.955307	0.688889	0.96055	0.708201	0.688889	0.675123		
BIOBERT-nsl + Random Forest	0.994413	0.488889	0.95882	0.431111	0.488889	0.421481		
BIOBERT-nsl + Naive Bayes	0.955307	0.644444	0.951496	0.562626	0.644444	0.569709		
ELECTRA-nsl + Logistic Regression	0.977654	0.644444	0.948568	0.625269	0.644444	0.591834		
BERTS2L + Naive Bayes	0.960894	0.577778	0.942748	0.586181	0.577778	0.546848		
BERTstsb + Random Forest	0.994413	0.488889	0.940369	0.398413	0.488889	0.420491		
ROBERTA + Logistic Regression	0.977654	0.6	0.939774	0.601913	0.6	0.578249		
BIOBERT + Random Forest	0.994413	0.6	0.932603	0.626455	0.6	0.55037		
BERTCL4 + Naive Bayes	0.96648	0.533333	0.930914	0.50463	0.533333	0.489931		
BIOBERT + Naive Bayes	0.949721	0.577778	0.930883	0.496446	0.577778	0.510322		
BERTSL4 + Naive Bayes	0.960894	0.533333	0.928548	0.506878	0.533333	0.493051		
ELECTRAmed + Logistic Regression	0.932961	0.666667	0.924402	0.730529	0.666667	0.663192		
BERTstsb + Naive Bayes	0.905028	0.55556	0.92319	0.504074	0.55556	0.505262		
ELECTRA-nsl + Naive Bayes	0.96648	0.511111	0.918362	0.37705	0.511111	0.415873		
ELECTRA-nsl + Random Forest	0.994413	0.55556	0.90856	0.611616	0.55556	0.524213		
BERT + Random Forest	0.994413	0.422222	0.90767	0.376085	0.422222	0.36037		
ROBERTA + Naive Bayes	0.927374	0.46667	0.896585	0.493589	0.466667	0.426781		
BERT + Random Forest	0.994413	0.55556	0.893354	0.567513	0.55556	0.506897		
ELMO + Logistic Regression	0.972067	0.533333	0.891973	0.579365	0.533333	0.519259		
ROBERTA + Random Forest	0.994413	0.422222	0.890633	0.387542	0.422222	0.370297		
ELECTRAmed + Naive Bayes	0.988827	0.48889	0.883776	0.435132	0.488889	0.439564		
XLNET + Logistic Regression	0.938547	0.511111	0.880796	0.585926	0.511111	0.513698		
BERTS2L + Random Forest	0.994413	0.46667	0.877471	0.488084	0.466667	0.43418		
ELECTRAmed + Random Forest	0.994413	0.511111	0.870331	0.487037	0.511111	0.449214		
GLOVE + Logistic Regression	0.709497	0.444444	0.850406	0.41963	0.444444	0.415564		
GLOVE + Naive Bayes	0.899441	0.466667	0.849678	0.360058	0.466667	0.396878		
GLOVE + Random Forest	0.994413	0.44444	0.837193	0.395476	0.444444	0.373271		
ELMO + Random Forest	1	0.444444	0.815843	0.367901	0.444444	0.380998		
XLNET + Random Forest	0.994413	0.244444	0.795012	0.171222	0.244444	0.161195		

XLNET + Naive Bayes	0.988827	0.355556	0.780427	0.258451	0.355556	0.278361
ELECTRAmed + Logistic Regression	0.765363	0.333333	0.770364	0.298545	0.333333	0.308107
ELMO + Naive Bayes	0.670391	0.4	0.769745	0.400238	0.4	0.390599
ELECTRA + Logistic Regression	0.832402	0.288889	0.736305	0.311111	0.288889	0.285185
ELECTRAmed + Random Forest	0.994413	0.2	0.696332	0.112963	0.2	0.141019
ELECTRA + Random Forest	0.994413	0.177778	0.652757	0.093276	0.177778	0.1173
ELECTRAmed + Naive Bayes	0.636872	0.222222	0.622479	0.253535	0.222222	0.223757
ELECTRA + Naive Bayes	0.709497	0.177778	0.609068	0.17208	0.177778	0.169024

Methods Only								
Model	Training Set Accuracy	Independent Test Set Accuracy	Area under the ROC curve	Precision	Recall	Fscore		
Naive Bayes	0.705556	0.577778	0.935018	0.402183	0.577778	0.460498		
Logistic Regression	0.844444	0.688889	0.931979	0.711296	0.688889	0.676572		
Random Forest	1	0.577778	0.916867	0.493386	0.577778	0.51675		
ELMO + Logistic Regression	0.872222	0.46667	0.842787	0.415741	0.466667	0.404086		
BERTstsb + Logistic Regression	0.966667	0.511111	0.835096	0.44037	0.511111	0.469979		
XLNET + Logistic Regression	0.927778	0.4	0.834146	0.455185	0.4	0.402264		
BERTSL4 + Random Forest	0.994444	0.333333	0.834139	0.196296	0.333333	0.217216		
BIOBERT + Logistic Regression	0.972222	0.422222	0.833867	0.373333	0.422222	0.390508		
BERTS2L + Logistic Regression	0.994444	0.4	0.833215	0.359259	0.4	0.355778		
ROBERTA + Logistic Regression	0.988889	0.377778	0.826928	0.352381	0.377778	0.351534		
BERTCL4 + Logistic Regression	0.994444	0.333333	0.825831	0.32928	0.333333	0.31317		
BERTSL4 + Logistic Regression	0.994444	0.333333	0.824446	0.32928	0.333333	0.31317		
XLNET + Naive Bayes	0.994444	0.444444	0.804493	0.334259	0.444444	0.347677		
ROBERTA + Naive Bayes	0.944444	0.35556	0.798399	0.310741	0.355556	0.301747		
ROBERTA + Random Forest	0.994444	0.4	0.796613	0.363175	0.4	0.334101		
BERTstsb + Random Forest	0.994444	0.311111	0.791666	0.167778	0.311111	0.216904		
GLOVE + Random Forest	1	0.4	0.791044	0.274858	0.4	0.319744		
ELMO + Random Forest	1	0.377778	0.789852	0.35	0.377778	0.297428		
BERTstsb + Naive Bayes	0.916667	0.35556	0.784428	0.279365	0.355556	0.308271		
BIOBERT + Naive Bayes	0.961111	0.377778	0.784348	0.252848	0.377778	0.29843		
BERTSL4 + Naive Bayes	0.922222	0.35556	0.769885	0.296825	0.355556	0.267901		
BERTCL4 + Random Forest	0.994444	0.333333	0.766299	0.230741	0.333333	0.259867		
BERTS2L + Random Forest	0.994444	0.288889	0.76291	0.198148	0.288889	0.212243		
XLNET + Random Forest	1	0.35556	0.761743	0.271605	0.355556	0.269986		
BERTS2L + Naive Bayes	0.927778	0.35556	0.759559	0.244781	0.355556	0.262181		
GLOVE + Naive Bayes	0.794444	0.377778	0.752159	0.347593	0.377778	0.346789		
GLOVE + Logistic Regression	0.461111	0.266667	0.751481	0.420741	0.266667	0.266772		
BERTCL4 + Naive Bayes	0.927778	0.35556	0.750674	0.296825	0.355556	0.267901		
BIOBERT + Random Forest	0.994444	0.377778	0.74734	0.274411	0.377778	0.295138		
ELECTRAmed + Logistic Regression	0.564246	0.2	0.699266	0.339444	0.2	0.211445		
ELECTRAmed + Random Forest	1	0.266667	0.691852	0.145481	0.266667	0.171366		
ELMO + Naive Bayes	0.627778	0.244444	0.676678	0.265185	0.244444	0.227327		
ELECTRA + Random Forest	0.994444	0.088889	0.611354	0.038095	0.088889	0.053333		
ELECTRA + Logistic Regression	0.744444	0.111111	0.603665	0.123016	0.111111	0.09964		
ELECTRA + Naive Bayes	0.683333	0.177778	0.590194	0.159259	0.177778	0.163175		
ELECTRAmed + Naive Bayes	0.502793	0.177778	0.586923	0.174444	0.177778	0.158879		

Abstracts + Methods								
Model	Training Set Accuracy	Independent Test Set Accuracy	Area under the ROC curve	Precision	Recall	Fscore		
BERTS2L-AM + Logistic Regression	0.988827	0.733333	0.973282	0.718148	0.733333	0.714638		
BERTSL4-AM + Logistic Regression	0.988827	0.711111	0.973146	0.72963	0.711111	0.702011		
BERTCL4-AM + Logistic Regression	0.96648	0.777778	0.971598	0.837963	0.777778	0.784138		
BIOBERT-AM + Logistic Regression	0.972067	0.733333	0.970227	0.788704	0.733333	0.725801		
TFIDF-AM + Logistic Regression	0.860335	0.688889	0.957552	0.729074	0.688889	0.684494		
TFIDF-AM + Random Forest	0.994413	0.666667	0.956782	0.603276	0.666667	0.617733		
BERT-AM + Logistic Regression	0.949721	0.75556	0.955853	0.802963	0.755556	0.753439		
TFIDF-AM + Naive Bayes	0.726257	0.688889	0.953596	0.623369	0.688889	0.611442		
BERTS2L-AM + Naive Bayes	0.960894	0.577778	0.94392	0.564488	0.577778	0.543433		
BERTCL4-AM + Naive Bayes	0.96648	0.577778	0.93798	0.579012	0.577778	0.524152		
ROBERTA-AM + Logistic Regression	0.994413	0.533333	0.934673	0.570696	0.533333	0.510534		
BERTSL4-AM + Naive Bayes	0.96648	0.55556	0.927369	0.534858	0.555556	0.513358		
BERT-AM + Naive Bayes	0.916201	0.577778	0.921063	0.554656	0.577778	0.54598		
BERTS2L-AM + Random Forest	0.994413	0.533333	0.918612	0.542929	0.533333	0.495388		
BIOBERT-AM + Random Forest	0.994413	0.55556	0.916674	0.475992	0.555556	0.479043		
BERTSL4-AM + Random Forest	0.994413	0.577778	0.916069	0.585079	0.577778	0.546667		
BERTCL4-AM + Random Forest	0.994413	0.48889	0.915413	0.470853	0.488889	0.438849		
BERT-AM + Random Forest	0.994413	0.46667	0.907761	0.42963	0.466667	0.400808		
BIOBERT-AM + Naive Bayes	0.949721	0.511111	0.904857	0.385185	0.511111	0.430963		
ELMO-AM + Logistic Regression	0.698324	0.46667	0.88759	0.372646	0.466667	0.392232		
ROBERTA-AM + Naive Bayes	0.932961	0.466667	0.885442	0.454435	0.466667	0.417847		
ROBERTA-AM + Random Forest	0.994413	0.422222	0.874995	0.424675	0.422222	0.366499		
ELMO-AM + Random Forest	1	0.466667	0.867663	0.345036	0.466667	0.37875		
XLNET-AM + Logistic Regression	0.994413	0.48889	0.858765	0.505714	0.488889	0.460741		
XLNET-AM + Naive Bayes	0.994413	0.422222	0.833238	0.385438	0.422222	0.342424		
GLOVE-AM + Naive Bayes	0.73743	0.422222	0.807296	0.422672	0.422222	0.399612		
ELECTRAMED-AM + Logistic Regression	0.486034	0.333333	0.79274	0.35037	0.333333	0.325926		
GLOVE-AM + Logistic Regression	0.49162	0.288889	0.791933	0.28836	0.288889	0.246384		
GLOVE-AM + Random Forest	1	0.333333	0.782005	0.225265	0.333333	0.265085		
XLNET-AM + Random Forest	0.994413	0.288889	0.759621	0.216296	0.288889	0.209492		
ELECTR-AM + Logistic Regression	0.575419	0.244444	0.747428	0.336905	0.244444	0.23124		
ELECTRA-AM + Random Forest	0.994413	0.288889	0.717559	0.158333	0.288889	0.197114		
ELECTRAMED-AM + Random Forest	1	0.288889	0.716509	0.215079	0.288889	0.227063		
ELMO-AM + Naive Bayes	0.486034	0.244444	0.691356	0.289877	0.244444	0.237773		
ELECTRA-AM + Naive Bayes	0.675978	0.155556	0.654665	0.123272	0.155556	0.132999		
ELECTRAMED-AM + Naive Bayes	0.52514	0.155556	0.653367	0.124444	0.155556	0.133479		

	All AUC-PR scores								
	Abstracts Only			Methods Only			Abstracts + Methods		
	LR	RF	NB	LR	RF	NB	LR	RF	NB
BioBert-hf	*0.85	0.61	0.56	-	-	-	-	-	-
BERTS2L	*0.83	0.47	0.53	*0.44	0.31	0.27	*0.84	0.54	0.53
BERTSL4	*0.81	0.5	0.47	*0.4	0.37	0.27	*0.83	0.52	0.49
BERTCL4	*0.79	0.52	0.49	*0.41	0.33	0.24	*0.82	0.55	0.54
BERT-st	*0.75	0.54	0.53	*0.48	0.35	0.3	*0.73	0.58	0.54
BioBERT-nlu	*0.73	0.63	0.49	*0.46	0.33	0.28	*0.77	0.57	0.48
TFIDF	0.7	*0.8	0.71	0.62	*0.66	0.61	0.73	*0.74	0.71
ELECTRA-hf	*0.64	0.5	0.51	-	-	-	-	-	-
ELECTRAmed-hf	*0.64	0.49	0.41	-	-	-	-	-	-
RoBERTa-st	*0.61	0.5	0.43	*0.38	0.36	0.31	*0.59	0.46	0.4
ELMO	*0.5	0.46	0.31	*0.48	0.38	0.19	*0.51	0.48	0.17
XLNET-nu	*0.46	0.33	0.33	*0.4	0.32	0.34	0.43	0.3	*0.44
GLOVE-nlu	0.33	*0.44	0.36	0.2	*0.36	0.29	0.22	*0.35	0.33
ELECTRAmed-st	*0.24	0.21	0.15	0.17	*0.2	0.13	0.22	*0.27	0.16
ELECTRA-nlu	*0.2	0.17	0.14	0.12	*0.18	0.14	0.2	*0.22	0.14