Dataset: SyskillWebert.csv

model_type	model_name	fit_time	score_time	test_accuracy	test_precision	test_recall	test_f1_score	embedding_generation_time	embeddings_size
bert	sentence-transformers_all-MiniLM-L12-v2	0.000531	0.016526	0.910176	0.915087	0.896763	0.901097	2.643802	513152
bert	sentence-transformers_all-MiniLM-L6-v2	0.000506	0.017229	0.913116	0.910773	0.896079	0.898112	2.715869	513152
bert	sentence-transformers_all-mpnet-base-v2	0.000780	0.019538	0.901085	0.904716	0.884785	0.888635	3.382855	1026176

Dataset: Dmoz-Computers.csv

model_type	model_name	fit_time	score_time	test_accuracy	test_precision	test_recall	test_f1_score	embedding_generation_time	embeddings_size
llm2vec	McGill-NLP_LLM2Vec-Mistral-7B-Instruct-v2-mntp-unsup-simcse	0.123540	1.010803	0.778105	0.779580	0.773333	0.763456	106.756526	155648128
llm2vec	McGill-NLP_LLM2Vec-Meta-Llama-3-8B-Instruct-mntp-supervised	0.115653	1.055647	0.775789	0.778481	0.770444	0.760236	93.043514	155648128
llm2vec	McGill-NLP_LLM2Vec-Meta-Llama-3-8B-Instruct-mntp-unsup-simcse	0.172685	1.112095	0.772947	0.777721	0.768222	0.759991	93.170762	155648128
llm2vec	McGill-NLP_LLM2Vec-Sheared-LLaMA-mntp-supervised	0.073636	0.814758	0.773053	0.774019	0.766944	0.759509	30.640220	77824128
llm2vec	McGill-NLP_LLM2Vec-Mistral-7B-Instruct-v2-mntp-supervised	0.185064	1.114201	0.763263	0.764890	0.758111	0.745577	107.027585	155648128
llm2vec	McGill-NLP_LLM2Vec-Sheared-LLaMA-mntp-unsup-simcse	0.094906	0.766628	0.722421	0.726693	0.717944	0.711166	30.642354	77824128
bert	sentence-transformers_all-mpnet-base-v2	0.013577	0.399746	0.727895	0.720302	0.721833	0.709261	5.388109	29184128
bert	sentence-transformers_all-MiniLM-L6-v2	0.008594	0.376299	0.721474	0.717329	0.715111	0.705807	6.331421	14592128
bert	sentence-transformers_all-MiniLM-L12-v2	0.009866	0.428401	0.719474	0.714759	0.711611	0.699790	3.932108	14592128

Dataset: Dmoz-Science.csv

model_type	model_name	fit_time	score_time	test_accuracy	test_precision	test_recall	test_f1_score	embedding_generation_time	embeddings_size
llm2vec	McGill-NLP_LLM2Vec-Sheared-LLaMA-mntp-supervised	0.024361	0.273152	0.822333	0.831367	0.822333	0.818076	22.262404	49152128
bert	sentence-transformers_all-	0.020566	0.170684	0.815833	0.821017	0.815833	0.812649	4.802433	18432128

	mpnet-base-v2								
llm2vec	McGill-NLP_LLM2Vec-Meta-Llama-3-8B-Instruct-mntp-supervised	0.082782	0.306190	0.812833	0.823124	0.812833	0.807936	63.640141	98304128
llm2vec	McGill-NLP_LLM2Vec-Meta-Llama-3-8B-Instruct-mntp-unsup-simcse	0.073215	0.407946	0.804167	0.810157	0.804167	0.800408	63.874052	98304128
llm2vec	McGill-NLP_LLM2Vec-Mistral-7B-Instruct-v2-mntp-unsup-simcse	0.069675	0.409119	0.799500	0.808485	0.799500	0.793844	72.399826	98304128
bert	sentence-transformers_all-MiniLM-L6-v2	0.004230	0.123677	0.789167	0.798217	0.789167	0.784894	2.943364	9216128
bert	sentence-transformers_all-MiniLM-L12-v2	0.007719	0.115057	0.784000	0.793488	0.784000	0.778325	3.397539	9216128
llm2vec	McGill-NLP_LLM2Vec-Mistral-7B-Instruct-v2-mntp-supervised	0.058103	0.462622	0.784833	0.796598	0.784833	0.778176	72.002257	98304128
llm2vec	McGill-NLP_LLM2Vec-Sheared-LLaMA-mntp-unsup-simcse	0.034442	0.273484	0.754833	0.758540	0.754833	0.748802	24.180742	49152128

Dataset: Industry Sector.csv

model_type	model_name	fit_time	score_time	test_accuracy	test_precision	test_recall	test_f1_score	embedding_generation_time	embeddings_size
llm2vec	McGill-NLP_LLM2Vec-Meta-Llama-3-8B-Instruct-mntp-supervised	0.106639	0.763100	0.897585	0.907555	0.885740	0.895337	502.626917	144457856
llm2vec	McGill-NLP_LLM2Vec-Mistral-7B-Instruct-v2-mntp-supervised	0.126262	0.688098	0.882044	0.896629	0.862708	0.877654	538.954695	144457856
llm2vec	McGill-NLP_LLM2Vec-Sheared-LLaMA-mntp-supervised	0.076978	0.599088	0.870590	0.901192	0.849567	0.872747	160.147012	72228992
bert	sentence-transformers_all-MiniLM-L12-v2	0.007319	0.190759	0.837927	0.869895	0.809751	0.835852	10.558758	13543040
bert	sentence-transformers_all-mpnet-base-v2	0.013887	0.365311	0.831915	0.859599	0.804017	0.828095	27.282778	27085952
bert	sentence-transformers_all-MiniLM-L6-v2	0.005971	0.322568	0.814677	0.850972	0.775495	0.807335	11.148129	13543040
llm2vec	McGill-NLP_LLM2Vec-Mistral-7B-Instruct-v2-mntp-unsup-simcse	0.116812	0.723635	0.736870	0.758572	0.694360	0.719743	539.155012	144457856
	McGill-NLP_LLM2Vec-								

model_type	model_name	fit_time	score_time	test_accuracy	test_precision	test_recall	test_f1_score	embedding_generation_time	embeddings_size
llm2vec	Meta-Llama-3-8B-Instruct-mntp-unsup-simcse	0.173765	0.540893	0.701600	0.723100	0.644160	0.673284	504.518034	144457856
llm2vec	McGill-NLP_LLM2Vec-Sheared-LLaMA-mntp-unsup-simcse	0.050816	0.515379	0.627311	0.644763	0.555408	0.587494	159.562537	72228992

Dataset: CSTR.csv

model_type	model_name	fit_time	score_time	test_accuracy	test_precision	test_recall	test_f1_score	embedding_generation_time	embeddings_size
llm2vec	McGill-NLP_LLM2Vec-Meta-Llama-3-8B-Instruct-mntp-supervised	0.001334	0.035562	0.903220	0.922295	0.919833	0.918516	23.452261	4898944
llm2vec	McGill-NLP_LLM2Vec-Meta-Llama-3-8B-Instruct-mntp-unsup-simcse	0.001478	0.042336	0.889605	0.917920	0.917368	0.915020	23.373584	4898944
llm2vec	McGill-NLP_LLM2Vec-Mistral-7B-Instruct-v2-mntp-supervised	0.002397	0.033226	0.879774	0.915560	0.894991	0.901953	23.671462	4898944
llm2vec	McGill-NLP_LLM2Vec-Mistral-7B-Instruct-v2-mntp-unsup-simcse	0.001566	0.050032	0.879661	0.905805	0.904333	0.899699	23.721639	4898944
llm2vec	McGill-NLP_LLM2Vec-Sheared-LLaMA-mntp-supervised	0.000699	0.022789	0.886441	0.906730	0.901645	0.898640	11.185133	2449536
bert	sentence-transformers_all-mpnet-base-v2	0.000508	0.016347	0.879831	0.894092	0.903756	0.894688	3.248603	918656
bert	sentence-transformers_all-MiniLM-L12-v2	0.000474	0.018699	0.869605	0.893297	0.892603	0.888365	2.577811	459392
bert	sentence-transformers_all-MiniLM-L6-v2	0.000417	0.017653	0.872938	0.882911	0.896201	0.885126	2.604167	459392
llm2vec	McGill-NLP_LLM2Vec-Sheared-LLaMA-mntp-unsup-simcse	0.000650	0.019662	0.849605	0.876278	0.873910	0.870595	10.996418	2449536

Dataset: classic4.csv

model_type	model_name	fit_time	score_time	test_accuracy	test_precision	test_recall	test_f1_score	embedding_generation_time	embeddings_size
llm2vec	McGill-NLP_LLM2Vec-Meta-Llama-3-8B-Instruct-mntp-unsup-simcse	0.076499	0.403205	0.985906	0.986464	0.987605	0.987007	225.135287	116244608
llm2vec	McGill-NLP_LLM2Vec-Mistral-7B-Instruct-v2-mntp-supervised	0.073153	0.638786	0.985201	0.988230	0.985142	0.986664	253.460371	116244608

model_type	model_name	fit_time	score_time	test_accuracy	test_precision	test_recall	test_f1_score	embedding_generation_time	embeddings_size
llm2vec	McGill-NLP_LLM2Vec-Mistral-7B-Instruct-v2-mntp-unsup-simcse	0.098452	0.466040	0.984778	0.985469	0.986540	0.985955	253.504532	116244608
llm2vec	McGill-NLP_LLM2Vec-Meta-Llama-3-8B-Instruct-mntp-supervised	0.107362	0.637656	0.983932	0.987698	0.983215	0.985416	224.936828	116244608
llm2vec	McGill-NLP_LLM2Vec-Sheared-LLaMA-mntp-supervised	0.039689	0.398571	0.983228	0.985936	0.983515	0.984706	74.818351	58122368
bert	sentence-transformers_all-mpnet-base-v2	0.017170	0.262915	0.977026	0.977605	0.981389	0.979404	12.492080	21795968
bert	sentence-transformers_all-MiniLM-L6-v2	0.004216	0.165556	0.976039	0.977387	0.979210	0.978224	5.600887	10898048
bert	sentence-transformers_all-MiniLM-L12-v2	0.004218	0.159225	0.975758	0.976995	0.979051	0.977961	5.603159	10898048
llm2vec	McGill-NLP_LLM2Vec-Sheared-LLaMA-mntp-unsup-simcse	0.029724	0.488181	0.976039	0.978218	0.977340	0.977755	74.364867	58122368

Dataset: review_polarity.csv

model_type	model_name	fit_time	score_time	test_accuracy	test_precision	test_recall	test_f1_score	embedding_generation_time	embeddings_size
llm2vec	McGill-NLP_LLM2Vec-Mistral-7B-Instruct-v2-mntp-supervised	0.023827	0.091700	0.7950	0.809744	0.7950	0.792512	153.620645	32768128
llm2vec	McGill-NLP_LLM2Vec-Meta-Llama-3-8B-Instruct-mntp-supervised	0.020261	0.098820	0.7700	0.774799	0.7700	0.768964	152.175421	32768128
llm2vec	McGill-NLP_LLM2Vec-Mistral-7B-Instruct-v2-mntp-unsup-simcse	0.017403	0.104557	0.7195	0.763546	0.7195	0.706763	153.222922	32768128
llm2vec	McGill-NLP_LLM2Vec-Sheared-LLaMA-mntp-supervised	0.003426	0.055668	0.7115	0.731679	0.7115	0.704672	50.691953	16384128
llm2vec	McGill-NLP_LLM2Vec-Sheared-LLaMA-mntp-unsup-simcse	0.010354	0.064618	0.7140	0.752303	0.7140	0.702599	49.675639	16384128
llm2vec	McGill-NLP_LLM2Vec-Meta-Llama-3-8B-Instruct-mntp-unsup-simcse	0.015445	0.087013	0.7070	0.761987	0.7070	0.690738	152.333646	32768128
bert	sentence-transformers_all-mpnet-base-v2	0.002854	0.054649	0.6665	0.691467	0.6665	0.655289	10.598564	6144128
bert	sentence-transformers_all-	0.001783	0.037312	0.6185	0.643112	0.6185	0.602026	5.349577	3072128

model_type	model_name	fit_time	score_time	test_accuracy	test_precision	test_recall	test_f1_score	embedding_generation_time	embeddings_size
	MiniLM-L6-v2								
bert	sentence-transformers_all-MiniLM-L12-v2	0.001624	0.043650	0.6100	0.622157	0.6100	0.600004	5.071650	3072128

Dataset: re8.csv

model_type	model_name	fit_time	score_time	test_accuracy	test_precision	test_recall	test_f1_score	embedding_generation_time	embeddings_size
bert	sentence-transformers_all-mpnet-base-v2	0.016531	0.263371	0.967813	0.928173	0.899955	0.911902	10.893064	23574656
llm2vec	McGill-NLP_LLM2Vec-Mistral-7B-Instruct-v2-mntp-supervised	0.134721	0.759291	0.970420	0.925275	0.897674	0.909790	215.112982	125730944
bert	sentence-transformers_all-MiniLM-L12-v2	0.006336	0.191018	0.960516	0.921498	0.893955	0.905591	5.383232	11787392
llm2vec	McGill-NLP_LLM2Vec-Mistral-7B-Instruct-v2-mntp-unsup-simcse	0.072179	0.804375	0.964816	0.923914	0.886819	0.901661	214.862043	125730944
llm2vec	McGill-NLP_LLM2Vec-Sheared-LLaMA-mntp-supervised	0.037623	0.349318	0.966902	0.925570	0.883041	0.900328	63.955297	62865536
llm2vec	McGill-NLP_LLM2Vec-Meta-Llama-3-8B-Instruct-mntp-supervised	0.118725	0.717119	0.958431	0.935884	0.871784	0.896930	201.972708	125730944
bert	sentence-transformers_all-MiniLM-L6-v2	0.005550	0.184596	0.954652	0.923096	0.869089	0.891081	5.168254	11787392
llm2vec	McGill-NLP_LLM2Vec-Meta-Llama-3-8B-Instruct-mntp-unsup-simcse	0.084610	0.381872	0.960647	0.915429	0.866124	0.884743	202.194773	125730944
llm2vec	McGill-NLP_LLM2Vec-Sheared-LLaMA-mntp-unsup-simcse	0.069497	0.501682	0.959083	0.912928	0.855570	0.874705	63.152451	62865536

Dataset: NSF.csv

model_type	model_name	fit_time	score_time	test_accuracy	test_precision	test_recall	test_f1_score	embedding_generation_time	embeddings_size
llm2vec	McGill-NLP_LLM2Vec-Meta-Llama-3-8B-Instruct-mntp-supervised	0.153436	1.348745	0.882744	0.892455	0.876690	0.882111	73.021218	172425344
llm2vec	McGill-NLP_LLM2Vec-Meta-Llama-3-8B-Instruct-mntp-unsup-simcse	0.179226	1.041301	0.881889	0.883815	0.877184	0.878919	82.524471	172425344
bert	sentence-transformers_all-mpnet-base-v2	0.013494	0.558394	0.875332	0.881001	0.872333	0.875353	4.555897	32329856
	McGill-								

model_type	model_name	fit_time	score_time	test_accuracy	test_precision	test_recall	test_f1_score	embedding_generation_time	embeddings_size
llm2vec	NLP_LLM2Vec-Mistral-7B-Instruct-v2-mntp-supervised	0.171149	1.266273	0.870296	0.882097	0.859622	0.867709	88.455980	172425344
llm2vec	McGill-NLP_LLM2Vec-Mistral-7B-Instruct-v2-mntp-unsup-simcse	0.202014	1.275060	0.867921	0.873528	0.861551	0.865380	82.738871	172425344
bert	sentence-transformers_all-MiniLM-L12-v2	0.011758	0.357306	0.864120	0.872361	0.857802	0.862794	3.696214	16164992
bert	sentence-transformers_all-MiniLM-L6-v2	0.007004	0.358346	0.862315	0.870320	0.854839	0.860027	3.271982	16164992
llm2vec	McGill-NLP_LLM2Vec-Sheared-LLaMA-mntp-supervised	0.046037	0.629026	0.859465	0.870517	0.850616	0.857571	24.936675	86212736
llm2vec	McGill-NLP_LLM2Vec-Sheared-LLaMA-mntp-unsup-simcse	0.151192	0.778094	0.834189	0.835131	0.823844	0.827060	24.597951	86212736

Dataset: Dmoz-Health.csv

model_type	model_name	fit_time	score_time	test_accuracy	test_precision	test_recall	test_f1_score	embedding_generation_time	embeddings_size
llm2vec	McGill-NLP_LLM2Vec-Meta-Llama-3-8B-Instruct-mntp-supervised	0.094680	0.410100	0.904462	0.906976	0.904462	0.903776	66.359920	106496128
llm2vec	McGill-NLP_LLM2Vec-Sheared-LLaMA-mntp-supervised	0.026582	0.237369	0.891538	0.894642	0.891538	0.890908	23.410138	53248128
llm2vec	McGill-NLP_LLM2Vec-Mistral-7B-Instruct-v2-mntp-supervised	0.089033	0.523469	0.889846	0.892734	0.889846	0.889108	75.130970	106496128
llm2vec	McGill-NLP_LLM2Vec-Mistral-7B-Instruct-v2-mntp-unsup-simcse	0.071474	0.372556	0.883846	0.886793	0.883846	0.883703	75.223753	106496128
llm2vec	McGill-NLP_LLM2Vec-Meta-Llama-3-8B-Instruct-mntp-unsup-simcse	0.067848	0.462029	0.880154	0.885606	0.880154	0.880397	66.779906	106496128
bert	sentence-transformers_all-mpnet-base-v2	0.011001	0.215068	0.874462	0.875703	0.874462	0.873443	6.984139	19968128
bert	sentence-transformers_all-MiniLM-L12-v2	0.008832	0.149321	0.867538	0.867967	0.867538	0.866303	3.453758	9984128
bert	sentence-transformers_all-MiniLM-L6-v2	0.004191	0.133415	0.866615	0.866374	0.866615	0.865038	3.181894	9984128
llm2vec	McGill-NLP_LLM2Vec-Sheared-LLaMA-mntp-unsup-simcse	0.017376	0.258978	0.836462	0.847926	0.836462	0.838223	23.035240	53248128

Dataset: Dmoz-Sports.csv

model_type	model_name	fit_time	score_time	test_accuracy	test_precision	test_recall	test_f1_score	embedding_generation_time	embeddings_size
llm2vec	McGill-NLP_LLM2Vec-Meta-Llama-3-8B-Instruct-mntp-supervised	0.201328	1.659430	0.943185	0.945191	0.943185	0.943180	123.710233	221184128
llm2vec	McGill-NLP_LLM2Vec-Sheared-LLaMA-mntp-supervised	0.099240	1.095366	0.918296	0.921298	0.918296	0.918535	66.182512	110592128
llm2vec	McGill-NLP_LLM2Vec-Mistral-7B-Instruct-v2-mntp-supervised	0.299626	2.032399	0.913259	0.915517	0.913259	0.912958	137.553020	221184128
llm2vec	McGill-NLP_LLM2Vec-Meta-Llama-3-8B-Instruct-mntp-unsup-simcse	0.188912	1.926307	0.898000	0.903078	0.898000	0.897866	119.747942	221184128
llm2vec	McGill-NLP_LLM2Vec-Mistral-7B-Instruct-v2-mntp-unsup-simcse	0.279355	2.156841	0.895259	0.899512	0.895259	0.895057	133.653388	221184128
bert	sentence-transformers_all-mpnet-base-v2	0.016428	0.799446	0.874370	0.877221	0.874370	0.873450	6.253319	41472128
bert	sentence-transformers_all-MiniLM-L12-v2	0.012904	0.676704	0.865259	0.868424	0.865259	0.864299	5.107392	20736128
llm2vec	McGill-NLP_LLM2Vec-Sheared-LLaMA-mntp-unsup-simcse	0.123386	1.344171	0.853704	0.857378	0.853704	0.853068	37.493315	110592128
bert	sentence-transformers_all-MiniLM-L6-v2	0.012103	0.699219	0.853778	0.857477	0.853778	0.852527	3.946034	20736128

Dataset: webkb-parsed.csv

model_type	model_name	fit_time	score_time	test_accuracy	test_precision	test_recall	test_f1_score	embedding_generation_time	embeddings_size
llm2vec	McGill-NLP_LLM2Vec-Sheared-LLaMA-mntp-supervised	0.114511	0.636491	0.731344	0.656399	0.633123	0.607018	153.041443	67846272
llm2vec	McGill-NLP_LLM2Vec-Sheared-LLaMA-mntp-unsup-simcse	0.044932	0.394923	0.737021	0.603201	0.653469	0.599817	152.077099	67846272
llm2vec	McGill-NLP_LLM2Vec-Mistral-7B-Instruct-v2-mntp-unsup-simcse	0.108003	0.595790	0.738227	0.611827	0.660979	0.598923	518.035170	135692416
llm2vec	McGill-NLP_LLM2Vec-Meta-Llama-3-8B-Instruct-	0.175954	0.741229	0.724947	0.587702	0.658053	0.586608	479.219994	135692416

	mntp-unsup-simcse								
llm2vec	McGill-NLP_LLM2Vec-Mistral-7B-Instruct-v2-mntp-supervised	0.097515	0.716436	0.698620	0.591510	0.623665	0.554618	518.274609	135692416
llm2vec	McGill-NLP_LLM2Vec-Meta-Llama-3-8B-Instruct-mntp-supervised	0.083144	0.699962	0.687998	0.622040	0.614141	0.550611	478.364359	135692416
bert	sentence-transformers_all-MiniLM-L12-v2	0.007718	0.242637	0.650206	0.567980	0.534863	0.510011	9.811739	12721280
bert	sentence-transformers_all-MiniLM-L6-v2	0.006055	0.234515	0.642962	0.524819	0.551690	0.506467	10.437983	12721280
bert	sentence-transformers_all-mpnet-base-v2	0.012282	0.336446	0.586693	0.454663	0.472562	0.438750	25.583635	25442432