

TABLE 1

Results (mean±standard deviations) using Different Homogeneous Learning Algorithms on **os_vs_crypt**

Algorithm	Accuracy (%)	Precision (%)	Recall (%)	F-measure (%)	MCC (%)
PA	84.00±0.41	85.10±0.43	81.92±0.76	83.48±0.47	68.04±0.81
PAIO	86.25±0.31	87.04±0.44	84.75±0.43	85.88±0.32	72.52±0.62
HomOTL-I	89.44±0.30	89.33±0.50	89.27±0.51	89.30±0.30	78.88±0.60
HomOTL-II	88.62±0.46	88.12±0.68	88.94±0.54	88.52±0.44	77.25±0.91
HomOTLMS	91.82±0.28	92.83±0.52	90.41±0.48	91.60±0.29	83.66±0.57
Confidence Interval	[91.69, 91.95]	[92.59, 93.07]	[90.19, 90.63]	[91.47, 91.74]	[83.40, 83.93]

TABLE 2

Results (mean±standard deviations) using Different Homogeneous Learning Algorithms on **ibm_vs_electronics**

Algorithm	Accuracy (%)	Precision (%)	Recall (%)	F-measure (%)	MCC (%)
PA	75.57±0.82	75.91±0.84	74.74±1.04	75.32±0.86	51.15±1.64
PAIO	77.62±0.68	77.71±0.79	77.31±0.77	77.51±0.67	55.24±1.36
HomOTL-I	76.12±0.60	73.33±0.96	81.94±1.25	77.39±0.51	52.63±1.15
HomOTL-II	76.98±0.57	73.47±0.98	84.33±1.03	78.52±0.39	54.60±1.01
HomOTLMS	79.84±0.65	77.68±0.80	83.62±0.67	80.53±0.59	59.87±1.29
Confidence Interval	[79.53, 80.15]	[77.30, 78.05]	[83.30, 83.93]	[80.26, 80.81]	[59.26, 60.47]

TABLE 3

Results (mean±standard deviations) using Different Homogeneous Learning Algorithms on **mac_vs_med**

Algorithm	Accuracy (%)	Precision (%)	Recall (%)	F-measure (%)	MCC (%)
PA	84.40±0.41	84.80±0.68	83.27±0.80	84.02±0.43	68.81±0.82
PAIO	86.95±0.48	87.62±0.54	85.61±0.77	86.60±0.52	73.91±0.97
HomOTL-I	85.23±0.46	88.58±0.80	80.38±1.11	84.27±0.55	70.71±0.90
HomOTL-II	84.93±0.48	87.91±0.71	80.48±1.18	84.02±0.59	70.07±0.93
HomOTLMS	87.14±0.67	89.80±0.73	83.36±0.94	86.45±0.72	74.43±1.33
Confidence Interval	[86.82, 87.45]	[89.46, 90.14]	[82.91, 83.80]	[86.12, 86.79]	[73.81, 75.05]

TABLE 4

Results (mean±standard deviations) using Different Homogeneous Learning Algorithms on **x_vs_space**

Algorithm	Accuracy (%)	Precision (%)	Recall (%)	F-measure (%)	MCC (%)
PA	84.80±0.55	85.57±0.53	83.67±0.97	84.61±0.60	69.62±1.09
PAIO	86.72±0.52	87.59±0.62	85.52±0.53	86.54±0.52	73.46±1.05
HomOTL-I	85.51±0.68	89.43±1.17	80.51±1.49	84.72±0.77	71.38±1.35
HomOTL-II	88.27±0.33	92.31±0.59	83.45±0.93	87.65±0.40	76.89±0.61
HomOTLMS	90.83±0.34	92.72±0.33	88.59±0.82	90.60±0.39	81.74±0.66
Confidence Interval	[90.67, 90.99]	[92.56, 92.87]	[88.20, 88.98]	[90.42, 90.79]	[81.43, 82.05]

TABLE 5
Results (mean±standard deviations) using Different Homogeneous Learning Algorithms on **books**

Algorithm	Accuracy (%)	Precision (%)	Recall (%)	F-measure (%)	MCC (%)
PA	51.95±0.29	51.17±0.17	85.72±0.45	64.08±0.24	5.30±0.78
PAIO	54.49±0.54	53.78±0.47	63.85±0.59	58.39±0.46	9.14±1.09
HomOTL-I	52.45±0.57	52.25±0.51	56.87±1.06	54.46±0.72	4.93±1.16
HomOTL-II	52.25±0.00	51.96±0.00	59.70±0.00	55.56±0.00	4.55±0.00
HomOTLMS	56.36±1.34	56.41±1.30	55.90±1.87	56.15±1.55	12.72±2.67
Confidence Interval	[55.73, 56.99]	[55.80, 57.01]	[55.03, 56.78]	[55.43, 56.88]	[11.47, 13.97]

TABLE 6
Results (mean±standard deviations) using Different Homogeneous Learning Algorithms on **DVDs**

Algorithm	Accuracy (%)	Precision (%)	Recall (%)	F-measure (%)	MCC (%)
PA	51.75±0.58	51.08±0.36	82.58±0.90	63.12±0.50	4.46±1.47
PAIO	53.64±0.77	53.09±0.65	62.52±0.93	57.42±0.74	7.40±1.56
HomOTL-I	52.17±0.34	52.09±0.32	54.15±0.67	53.10±0.46	4.35±0.69
HomOTL-II	52.45±0.02	52.28±0.02	56.09±0.07	54.12±0.04	4.91±0.04
HomOTLMS	54.77±0.68	54.14±0.64	62.39±0.86	57.97±0.56	9.65±1.36
Confidence Interval	[54.45, 55.09]	[53.84, 54.44]	[61.99, 62.79]	[57.71, 58.23]	[9.01, 10.28]

TABLE 7
Results (mean±standard deviations) using Different Homogeneous Learning Algorithms on **electronics**

Algorithm	Accuracy (%)	Precision (%)	Recall (%)	F-measure (%)	MCC (%)
PA	51.02±0.37	50.54±0.20	95.35±0.40	66.06±0.26	4.40±1.61
PAIO	56.82±0.60	55.26±0.47	71.59±0.76	62.38±0.53	14.27±1.26
HomOTL-I	52.40±1.01	52.05±0.84	60.71±1.87	56.04±1.23	4.86±2.07
HomOTL-II	53.46±1.20	52.71±0.92	67.21±2.02	59.08±1.32	7.21±2.52
HomOTLMS	57.09±0.82	56.36±0.80	62.92±1.14	59.45±0.74	14.28±1.65
Confidence Interval	[56.70, 57.48]	[55.98, 56.73]	[62.39, 63.46]	[59.11, 59.80]	[13.51, 15.05]

TABLE 8
Results (mean±standard deviations) using Different Homogeneous Learning Algorithms on **kitchen**

Algorithm	Accuracy (%)	Precision (%)	Recall (%)	F-measure (%)	MCC (%)
PA	49.95±0.06	49.97±0.03	99.64±0.08	66.56±0.04	-0.98±1.01
PAIO	57.09±0.60	55.97±0.47	66.41±1.03	60.75±0.68	14.43±1.23
HomOTL-I	50.61±0.50	50.55±0.44	56.92±0.63	53.55±0.50	1.24±1.01
HomOTL-II	50.66±0.33	50.56±0.27	59.91±0.50	54.84±0.37	1.34±0.67
HomOTLMS	60.32±0.48	59.27±0.46	65.98±0.95	62.45±0.54	20.78±0.98
Confidence Interval	[60.09, 60.55]	[59.06, 59.49]	[65.54, 66.43]	[62.19, 62.70]	[20.32, 21.23]