

Dataset	Hidden Class	Prec.	Recall	Acc.
AG News	world	94.4	77.8	87.8
	sports	95.7	83.3	85.5
	business	84.9	60.1	83.9
	science and tech	92.0	54.3	83.2
Sogou	sports	95.0	80.5	87.4
	finance	24.2	0.7	73.1
	entertainment	90.2	78.8	86.6
	automobile	42.9	0.7	72.1
	science and tech	99.7	58.7	85.6
Yahoo	society and culture	42.8	7.9	64.9
	science and math	48.3	9.8	63.2
	health	26.3	0.4	61.8
	education and reference	23.5	3.8	65.2
	computers and internet	45.4	3	60.8
	sports	52.9	52.9	64.6
	business and finance	43.6	17.3	66.2
	entertainment and music	44.9	2.3	63.2
	family and relationships	8.3	0.05	62.5
	politics and government	48.6	10.4	62.1
DBPedia	company	98.9	46.6	93.3
	educational institution	99.2	49.5	92.8
	artist	88.3	4.3	90.3
	athlete	96.5	90.1	94.6
	office holder	0	0	89.1
	mean of transportation	96.5	74.3	94.2
	building	99.9	37.7	92.1
	natural place	98.9	88.2	95.4
	village	99.9	68.1	93.8
	animal	99.7	68.1	93.8
	plant	99.2	76.9	94.3
	album	0.03	0.001	88.8
	film	99.4	73.3	94.5
	written work	93.8	26.5	91.3