

Dataset	Ohsumed ($M=105$)	20-Newsgroup ($M=36$)	Reuters ($M=40$)	LabelMe ($M=46$)
Our Model	1.85 (0.01)	1.14 (0.01)	1.17 (0.01)	7.4 (0.14)
LDA	10.55 (0.37)	6.42 (0.28)	4.97 (0.13)	37.15 (1.03)
LDAbackground	12.49 (0.31)	5.27 (0.12)	4.18 (0.74)	36.17 (0.71)
STC	10.22 (0.50)	2.67 (0.06)	3.01 (0.20)	1.08 (0.04)