

APPENDIX A: ADDITIONAL EXPERIMENTAL RESULTS

System configuration			Restricted dataset				Unrestricted dataset			
Feature set	Test	uc_{th}	microP	microR	microF ₁	maxF ₁	microP	microR	microF ₁	maxF ₁
ngrams	χ^2		76.98	61.36	68.29	77.33	69.88	58.65	63.78	73.68
	t		56.19	72.98	63.49	80.95	39.02	71.31	50.44	70.44
	$\chi^2 + t$		77.53	65.07	70.76	80.00	62.40	64.01	63.19	75.63
concepts	χ^2		45.05	67.25	53.96	77.08	45.85	68.28	54.86	73.17
	t		38.57	68.70	49.41	68.00	29.39	67.26	40.91	52.53
	$\chi^2 + t$		45.03	67.46	54.01	75.27	40.11	67.06	50.19	72.59
ngrams+assert	χ^2		81.11	62.88	70.84	80.00	77.40	60.55	67.95	76.03
	t		69.44	74.58	71.92	83.15	62.15	77.22	68.87	74.07
	$\chi^2 + t$		79.46	66.41	72.35	83.33	71.81	67.90	69.80	77.78
concepts+assert	χ^2		67.76	69.57	68.65	79.57	63.78	70.59	67.02	79.37
	t		61.66	71.34	66.15	74.47	54.85	75.96	63.70	68.83
	$\chi^2 + t$		65.27	69.47	67.30	77.78	57.86	71.97	64.15	72.48
ngrams+concepts	χ^2	50	77.39	65.40	70.89	81.93	67.33	64.09	65.67	80.33
	χ^2	100	74.29	65.66	69.71	81.93	63.85	64.14	64.00	76.67
	χ^2	500	80.97	64.81	72.00	80.00	65.26	64.93	65.09	74.34
	χ^2	1000	78.35	65.49	71.34	78.38	84.74	59.82	70.13	76.11
	χ^2	5000	83.67	59.09	69.26	74.70	85.74	63.08	72.68	80.33
	t	50	54.82	74.66	63.22	83.15	38.36	72.67	50.21	70.06
	t	100	54.59	76.52	63.72	81.82	39.02	73.29	50.93	69.18
	t	500	59.30	68.18	63.43	80.00	35.13	71.89	47.20	66.67
	t	1000	59.12	73.65	65.59	82.61	35.00	71.04	46.90	63.16
	t	5000	71.84	74.75	73.27	81.40	50.65	76.21	60.86	68.35
	$\chi^2 + t$	50	75.81	67.00	71.13	81.48	60.64	68.13	64.16	75.00
	$\chi^2 + t$	100	73.99	69.44	71.65	80.95	58.02	68.01	62.62	75.00
	$\chi^2 + t$	500	74.46	66.50	70.25	78.95	56.70	71.04	63.06	77.17
	$\chi^2 + t$	1000	77.33	66.33	71.41	77.33	76.41	66.89	71.33	77.27
	$\chi^2 + t$	5000	87.44	60.35	71.41	78.48	77.37	61.39	68.46	73.60
ngrams+concepts+assert	χ^2	50	80.10	67.42	73.22	82.61	76.46	67.06	71.45	78.99
	χ^2	100	80.58	67.42	73.42	82.93	73.78	66.95	70.20	77.97
	χ^2	500	83.28	67.09	74.31	82.05	77.07	67.34	71.88	79.34
	χ^2	1000	80.34	68.10	73.71	80.00	85.63	64.87	73.82	80.99
	χ^2	5000	83.45	61.11	70.55	74.70	86.98	64.48	74.06	81.67
	t	50	69.72	78.87	74.01	84.09	62.16	78.90	69.54	75.00
	t	100	71.57	78.62	74.93	83.15	63.62	79.69	70.75	75.82
	t	500	68.92	72.22	70.53	83.72	58.32	80.81	67.75	75.16
	t	1000	67.12	78.37	72.31	83.15	55.93	80.98	66.16	71.70
	t	5000	77.01	78.37	77.68	85.71	58.39	79.69	67.39	72.73
	$\chi^2 + t$	50	78.53	69.28	73.61	82.35	70.49	72.39	71.43	77.86
	$\chi^2 + t$	100	79.93	72.39	75.97	82.98	71.23	73.91	72.54	79.22
	$\chi^2 + t$	500	75.05	67.09	70.84	80.52	64.50	72.50	68.27	76.92
	$\chi^2 + t$	1000	79.34	67.26	72.80	77.33	75.49	69.64	72.45	78.57
	$\chi^2 + t$	5000	86.49	61.95	72.19	77.50	79.56	65.32	71.74	75.97