Text and topology in in human interaction networks: differences among Erdös sectors and correlation of metrics (Supporting Information document)

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This Supporting Information document exposes extensive measurements on interaction networks erived from email lists, Twitter, Participabr and IRC.

SI. MEASURES

A. General characteristics of activity distribution among participants

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1. Snapshots of 2000 messages

tag	gmane id
0	gmane.comp.monitoring.zenoss.user
1	gmane.os.netbsd.devel.cvs
2	gmane.comp.gnome.mono.devel
3	gmane.comp.gnu.octave.bugs
4	gmane.comp.encryption.gpg.user
5	gmane.comp.documentfoundation.libreoffice.devel
6	gmane.comp.search.elasticsearch.user
7	gmane.comp.python.enthought.devel
8	gmane.comp.encryption.openssl.devel
9	gmane.network.zeromq.devel
10	gmane.comp.misc.nslu2.linux
11	gmane.comp.web.sigia
12	gmane.comp.security.firewalls.pfsense.support
13	gmane.comp.jakarta.jmeter.devel
14	gmane.comp.genealogy.gramps.user
15	gmane.comp.gcc.libstdc++.devel
16	gmane.linux.audio.users
17	gmane.politics.election-methods

TABLE S1. Numerical tags with respective list ids used throughout tables in this supporting information document.

	g.	**p.**	**i.**	**h.**
N	217	130	76	11
$N_{\%}$	100.00	59.91	35.02	5.07
M	1999.00	286.00	841.00	865.00
$M_{\%}$	100.00	14.36	42.22	43.42
Γ	732.00	206.00	427.00	99.00
$\Gamma_{\%}$	100.00	28.14	58.33	13.52
$\frac{\Gamma}{M}\%$	36.62	72.03	50.77	11.45
$\mu(\gamma)$	2.70	2.63	2.74	2.67
$\sigma(\gamma)$	0.46	0.48	0.44	0.47
$chars$	1272081	280093	683310	308678
$chars_{\%}$	100.00	22.02	53.72	24.27
$\frac{spaces}{chars}$	13.65	12.29	13.50	15.22
$\frac{punct}{chars-spaces}$	7.55	8.86	7.81	5.74
$\frac{digits}{chars-spaces}$	3.59	4.10	4.10	1.96
$\frac{letters}{chars-spaces}$	86.73	84.75	85.99	90.28
$\frac{vogals}{letters}$	34.80	33.91	34.66	35.86
$\frac{uppercase}{letters}$	6.97	8.50	6.96	5.64
$tokens$	288269	65527	155407	67336
$tokens_{\%}$	100.00	22.73	53.91	23.36
$tokens \neq$	4.04	8.88	5.19	7.35
$\frac{knownw}{tokens}$	32.02	30.51	31.61	34.45
$\frac{knownw\neq}{knownw}$	5.12	12.58	7.38	11.80
$\frac{stopw}{knownw}$	85.22	69.88	83.52	102.03
$\frac{punct}{tokens}$	24.52	28.41	25.28	18.99
$\frac{contrac}{tokens}$	0.58	0.44	0.51	0.90
$\mu(\overline{tokens})$	3.73	3.66	3.72	3.81
$\sigma(\overline{tokens})$	2.84	2.97	2.86	2.65
$\mu(\overline{knownw})$	5.72	5.61	5.76	5.75
$\sigma(\overline{knownw})$	2.32	2.39	2.33	2.25
$\mu(\overline{knownw \neq})$	6.74	6.47	6.61	6.67
$\sigma(\overline{knownw \neq})$	2.59	2.52	2.52	2.49
$\mu(\overline{stopw})$	2.72	2.64	2.70	2.81
$\sigma(\overline{stopw})$	1.07	1.07	1.07	1.05
$sents$	8504	1484	4602	2420
$sents_{\%}$	99.98	17.45	54.10	28.45
$\mu_S(chars)$	148.19	187.31	147.18	126.02
$\sigma_S(chars)$	438.07	496.47	487.30	265.00
$\mu_S(tokens)$	33.91	44.17	33.78	27.83
$\sigma_S(tokens)$	110.90	119.04	127.33	59.97
$\mu_S(knownw)$	9.06	10.82	8.90	8.30
$\sigma_S(knownw)$	17.47	21.83	18.13	12.37
$\mu_S(stopw)$	8.01	8.07	7.74	8.50
$\sigma_S(stopw)$	13.69	9.57	16.95	7.47
$\mu_S(puncts)$	8.32	12.56	8.54	5.29
$\sigma_S(puncts)$	46.98	47.01	55.81	21.36
$msgs$	1992	286	841	865
$msgs_{\%}$	100.00	14.36	42.22	43.42
$\mu_M(sents)$	5.21	6.08	6.43	3.74
$\sigma_M(sents)$	6.78	4.03	9.40	3.26
$\mu_M(tokens)$	145.82	230.45	186.07	78.71
$\sigma_M(tokens)$	260.61	291.17	326.68	127.13
$\mu_M(knownw)$	38.83	56.29	48.87	23.29
$\sigma_M(knownw)$	50.54	58.28	58.67	31.16
$\mu_M(stopw)$	34.29	41.96	42.42	23.84
$\sigma_M(stopw)$	41.11	32.32	52.81	25.35
$\mu_M(puncts)$	36.34	66.11	47.66	15.49
$\sigma_M(puncts)$	103.42	114.84	135.49	39.61
$\mu_M(chars)$	637.40	977.77	811.14	355.94
$\sigma_M(chars)$	1054.36	1195.70	1290.46	566.92

TABLE S2. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 0

	g.	**p.**	**i.**	**h.**
N	149	86	56	7
$N_{\%}$	100.00	57.72	37.58	4.70
M	1999.00	937.00	1014.00	48.00
$M_{\%}$	100.00	46.87	50.73	2.40
Γ	1902.00	934.00	968.00	0.00
$\Gamma_{\%}$	100.00	49.11	50.89	0.00
$\frac{\Gamma}{M}\%$	95.15	99.68	95.46	0.00
$\mu(\gamma)$	2.02	2.00	2.04	nan
$\sigma(\gamma)$	0.15	0.03	0.21	nan
$chars$	1042423	518072	502996	21355
$chars_{\%}$	100.00	49.70	48.25	2.05
$\frac{spaces}{chars}$	9.74	9.51	9.80	14.13
$\frac{punct}{chars-spaces}$	10.76	11.48	10.18	6.79
$\frac{digits}{chars-spaces}$	6.94	7.57	6.50	1.94
$\frac{letters}{chars-spaces}$	79.25	77.96	80.19	89.02
$\frac{vogals}{letters}$	29.19	28.28	29.98	31.91
$\frac{uppercase}{letters}$	6.99	6.94	6.89	10.10
$tokens$	286232	146472	134852	4908
$tokens_{\%}$	100.00	51.17	47.11	1.71
$tokens \neq$	3.00	4.01	3.66	24.08
$\frac{knownw}{tokens}$	25.76	25.11	26.21	32.84
$\frac{knownw\neq}{knownw}$	4.51	6.22	5.92	42.80
$\frac{stopw}{knownw}$	42.46	38.92	43.60	98.33
$\frac{punct}{tokens}$	33.18	34.09	32.56	23.11
$\frac{contrac}{tokens}$	0.16	0.10	0.18	1.67
$\mu(\overline{tokens})$	3.19	3.10	3.26	3.65
$\sigma(\overline{tokens})$	2.53	2.54	2.52	2.60
$\mu(\overline{knownw})$	4.89	4.69	5.06	5.50
$\sigma(\overline{knownw})$	2.37	2.41	2.31	2.28
$\mu(\overline{knownw \neq})$	6.53	6.39	6.27	6.16
$\sigma(\overline{knownw \neq})$	2.53	2.50	2.46	2.42
$\mu(\overline{stopw})$	2.83	2.83	2.83	2.81
$\sigma(\overline{stopw})$	0.87	0.84	0.86	1.17
$sents$	2314	1105	1030	180
$sents_{\%}$	99.96	47.73	44.49	7.78
$\mu_S(chars)$	449.34	467.71	487.22	117.34
$\sigma_S(chars)$	1289.93	1639.41	908.31	225.17
$\mu_S(tokens)$	123.71	132.56	130.93	27.31
$\sigma_S(tokens)$	486.75	655.37	263.16	52.82
$\mu_S(knownw)$	23.74	25.15	25.00	7.82
$\sigma_S(knownw)$	71.83	93.68	45.95	9.90
$\mu_S(stopw)$	12.32	11.73	13.65	8.17
$\sigma_S(stopw)$	14.62	15.01	14.97	7.20
$\mu_S(puncts)$	41.05	45.19	42.64	6.34
$\sigma_S(puncts)$	213.64	291.91	104.08	19.21
$msgs$	1999	937	1014	48
$msgs_{\%}$	100.00	46.87	50.73	2.40
$\mu_M(sents)$	2.15	2.18	2.01	4.38
$\sigma_M(sents)$	1.64	1.86	1.10	3.60
$\mu_M(tokens)$	143.44	156.48	133.25	104.12
$\sigma_M(tokens)$	599.27	842.99	224.11	126.00
$\mu_M(knownw)$	27.49	29.66	25.39	29.27
$\sigma_M(knownw)$	91.32	126.44	40.18	29.38
$\mu_M(stopw)$	14.26	13.85	13.87	30.71
$\sigma_M(stopw)$	10.16	8.95	6.91	38.04
$\mu_M(puncts)$	47.74	53.43	43.54	25.44
$\sigma_M(puncts)$	266.12	375.64	95.29	39.23
$\mu_M(chars)$	521.18	552.70	495.78	442.52
$\sigma_M(chars)$	1610.48	2227.50	715.84	541.08

TABLE S3. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 1

	g.	**p.**	**i.**	**h.**
N	315	187	113	15
$N_{\%}$	100.00	59.37	35.87	4.76
M	1999.00	295.00	911.00	793.00
$M_{\%}$	100.00	14.76	45.57	39.67
Γ	793.00	211.00	421.00	161.00
$\Gamma_{\%}$	100.00	26.61	53.09	20.30
$\frac{\Gamma}{M}\%$	39.67	71.53	46.21	20.30
$\mu(\gamma)$	2.55	2.47	2.58	2.58
$\sigma(\gamma)$	0.50	0.50	0.49	0.49
$chars$	1223450	215838	600989	406623
$chars_{\%}$	100.00	17.64	49.12	33.24
$\frac{spaces}{chars}$	15.07	14.29	14.32	16.60
$\frac{punct}{chars-spaces}$	6.49	7.25	6.98	5.33
$\frac{digits}{chars-spaces}$	1.78	1.91	2.05	1.29
$\frac{letters}{chars-spaces}$	89.64	88.69	88.84	91.36
$\frac{vogals}{letters}$	35.87	35.41	35.57	36.55
$\frac{uppercase}{letters}$	5.70	6.17	6.14	4.80
$tokens$	269618	48330	134550	86739
$tokens_{\%}$	100.00	17.93	49.90	32.17
$tokens \neq$	5.16	11.53	7.02	8.28
$\frac{knownw}{tokens}$	36.03	35.93	35.83	36.41
$\frac{knownw\neq}{knownw}$	6.29	16.65	9.44	12.60
$\frac{stopw}{knownw}$	91.37	85.64	86.90	101.34
$\frac{punct}{tokens}$	21.02	22.52	22.39	18.05
$\frac{contrac}{tokens}$	0.96	0.77	0.85	1.23
$\mu(\overline{tokens})$	3.77	3.75	3.75	3.83
$\sigma(\overline{tokens})$	2.85	2.94	2.87	2.77
$\mu(\overline{knownw})$	5.67	5.63	5.61	5.78
$\sigma(\overline{knownw})$	2.37	2.39	2.38	2.34
$\mu(\overline{knownw \neq})$	7.02	6.67	6.86	6.95
$\sigma(\overline{knownw \neq})$	2.58	2.49	2.52	2.53
$\mu(\overline{stopw})$	2.73	2.70	2.71	2.77
$\sigma(\overline{stopw})$	1.11	1.10	1.12	1.10
$sents$	9231	1598	4584	3051
$sents_{\%}$	99.98	17.31	49.65	33.04
$\mu_S(chars)$	131.38	133.90	129.96	132.12
$\sigma_S(chars)$	162.05	162.48	188.99	109.36
$\mu_S(tokens)$	29.22	30.25	29.37	28.44
$\sigma_S(tokens)$	38.87	40.71	45.50	24.32
$\mu_S(knownw)$	8.97	9.09	8.82	9.12
$\sigma_S(knownw)$	10.95	11.13	12.64	7.59
$\mu_S(stopw)$	8.48	8.13	7.98	9.41
$\sigma_S(stopw)$	7.61	6.73	7.62	7.95
$\mu_S(puncts)$	6.15	6.81	6.58	5.14
$\sigma_S(puncts)$	14.66	15.98	17.53	7.27
$msgs$	1999	295	911	793
$msgs_{\%}$	100.00	14.76	45.57	39.67
$\mu_M(sents)$	5.54	6.35	5.93	4.79
$\sigma_M(sents)$	5.98	7.37	5.46	5.89
$\mu_M(tokens)$	136.45	165.34	149.26	110.99
$\sigma_M(tokens)$	170.75	182.24	187.66	139.77
$\mu_M(knownw)$	41.52	49.25	44.53	35.20
$\sigma_M(knownw)$	51.77	55.68	54.11	46.55
$\mu_M(stopw)$	39.27	44.17	40.26	36.31
$\sigma_M(stopw)$	46.07	51.51	42.99	47.15
$\mu_M(puncts)$	29.64	38.17	34.33	21.09
$\sigma_M(puncts)$	52.76	49.39	66.81	29.24
$\mu_M(chars)$	610.22	729.80	657.94	510.90
$\sigma_M(chars)$	739.07	825.08	752.50	674.80

TABLE S4. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 2

	g.	**p.**	**i.**	**h.**
N	288	225	56	7
$N_{\%}$	100.00	78.12	19.44	2.43
M	1997.00	339.00	566.00	1092.00
$M_{\%}$	100.00	16.98	28.34	54.68
Γ	574.00	262.00	216.00	96.00
$\Gamma_{\%}$	100.00	45.64	37.63	16.72
$\frac{\Gamma}{M}\%$	28.74	77.29	38.16	8.79
$\mu(\gamma)$	2.83	2.82	2.85	2.79
$\sigma(\gamma)$	0.38	0.38	0.36	0.41
$chars$	1448549	410986	395144	642419
$chars_{\%}$	100.00	28.37	27.28	44.35
$\frac{spaces}{chars}$	15.19	15.12	14.96	15.38
$\frac{punct}{chars}$	10.07	12.37	10.20	8.50
$\frac{chars-spaces}{digits}$	3.77	6.86	3.15	2.17
$\frac{chars-spaces}{letters}$	84.02	78.47	84.43	87.31
$\frac{vogals}{letters}$	33.90	32.90	33.90	34.47
$\frac{uppercase}{letters}$	6.79	9.83	6.49	5.22
$tokens$	346234	104621	94319	147296
$tokens_{\%}$	100.00	30.22	27.24	42.54
$tokens \neq$	3.78	6.91	6.36	4.30
$\frac{knownw}{tokens}$	34.03	31.02	33.84	36.29
$\frac{knownw\neq}{knownw}$	4.40	8.99	9.44	6.19
$\frac{stopw}{knownw}$	65.37	50.63	69.80	71.67
$\frac{punct}{tokens}$	28.10	33.07	28.18	24.53
$\frac{contrac}{tokens}$	0.85	0.43	1.01	1.05
$\mu(\overline{tokens})$	3.47	3.26	3.48	3.62
$\sigma(\overline{tokens})$	2.71	2.76	2.70	2.67
$\mu(\overline{knownw})$	5.45	5.07	5.54	5.62
$\sigma(\overline{knownw})$	2.53	2.58	2.50	2.50
$\mu(\overline{knownw \neq})$	6.82	6.43	6.71	6.79
$\sigma(\overline{knownw \neq})$	2.62	2.58	2.57	2.58
$\mu(\overline{stopw})$	2.69	2.59	2.67	2.74
$\sigma(\overline{stopw})$	1.10	1.13	1.11	1.07
$sents$	9254	1991	2870	4395
$sents_{\%}$	99.98	21.51	31.01	47.48
$\mu_S(chars)$	155.35	205.25	136.55	144.95
$\sigma_S(chars)$	275.71	501.60	149.61	173.17
$\mu_S(tokens)$	37.42	52.55	32.87	33.52
$\sigma_S(tokens)$	79.40	155.20	38.12	35.76
$\mu_S(knownw)$	10.75	13.49	9.54	10.29
$\sigma_S(knownw)$	19.09	35.49	10.16	11.18
$\mu_S(stopw)$	7.30	6.98	6.75	7.80
$\sigma_S(stopw)$	6.15	7.19	5.61	5.92
$\mu_S(puncts)$	10.52	17.38	9.27	8.23
$\sigma_S(puncts)$	31.75	62.30	16.12	12.92
$msgs$	1997	339	566	1092
$msgs_{\%}$	100.00	16.98	28.34	54.68
$\mu_M(sents)$	5.61	6.85	6.05	5.00
$\sigma_M(sents)$	3.99	4.58	5.26	2.71
$\mu_M(tokens)$	175.74	310.79	169.15	137.23
$\sigma_M(tokens)$	243.93	498.43	180.14	87.75
$\mu_M(knownw)$	49.87	79.31	48.43	41.48
$\sigma_M(knownw)$	59.16	119.56	40.76	27.61
$\mu_M(stopw)$	33.91	41.04	34.31	31.48
$\sigma_M(stopw)$	27.58	33.08	28.91	24.42
$\mu_M(puncts)$	50.21	103.39	48.64	34.51
$\sigma_M(puncts)$	96.69	195.00	81.67	26.65
$\mu_M(chars)$	723.62	1210.82	696.17	586.61
$\sigma_M(chars)$	888.78	1698.63	734.90	419.64

TABLE S5. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 3

	g.	**p.**	**i.**	**h.**
N	428	258	147	23
$N_{\%}$	100.00	60.28	34.35	5.37
M	1998.00	385.00	708.00	900.00
$M_{\%}$	100.00	19.32	35.52	45.16
Γ	651.00	283.00	288.00	80.00
$\Gamma_{\%}$	100.00	43.47	44.24	12.29
$\frac{\Gamma}{M}\%$	32.58	73.51	40.68	8.89
$\mu(\gamma)$	2.62	2.57	2.67	2.60
$\sigma(\gamma)$	0.49	0.50	0.47	0.49
$chars$	1182331	242865	424590	514876
$chars_{\%}$	100.00	20.54	35.91	43.55
$\frac{spaces}{chars}$	16.01	15.83	15.63	16.41
$\frac{punct}{chars}$	7.07	8.41	7.29	6.24
$\frac{chars-spaces}{digits}$	2.66	2.89	2.95	2.32
$\frac{chars-spaces}{letters}$	88.25	86.68	87.65	89.50
$\frac{vogals}{letters}$	34.69	34.02	34.69	35.00
$\frac{uppercase}{letters}$	6.23	6.62	5.84	6.36
$tokens$	269403	57054	97596	114753
$tokens_{\%}$	100.00	21.18	36.23	42.60
$tokens \neq$	5.15	9.96	8.29	6.75
$\frac{knownw}{tokens}$	33.93	34.55	33.63	33.87
$\frac{knownw\neq}{knownw}$	7.04	14.37	12.83	11.41
$\frac{stopw}{knownw}$	94.24	80.90	91.72	103.14
$\frac{punct}{tokens}$	21.68	24.53	22.05	19.96
$\frac{contrac}{tokens}$	1.03	0.66	0.99	1.26
$\mu(\overline{tokens})$	3.61	3.51	3.59	3.68
$\sigma(\overline{tokens})$	2.62	2.62	2.58	2.65
$\mu(\overline{knownw})$	5.62	5.46	5.61	5.72
$\sigma(\overline{knownw})$	2.41	2.43	2.37	2.43
$\mu(\overline{knownw \neq})$	6.94	6.47	6.72	6.92
$\sigma(\overline{knownw \neq})$	2.62	2.52	2.58	2.55
$\mu(\overline{stopw})$	2.71	2.58	2.70	2.76
$\sigma(\overline{stopw})$	1.12	1.13	1.12	1.11
$sents$	9772	1795	3323	4655
$sents_{\%}$	99.99	18.37	34.00	47.63
$\mu_S(chars)$	119.78	134.15	126.59	109.35
$\sigma_S(chars)$	215.52	268.50	272.36	128.51
$\mu_S(tokens)$	27.58	31.79	29.39	24.66
$\sigma_S(tokens)$	56.87	62.47	78.82	28.82
$\mu_S(knownw)$	8.28	9.78	8.73	7.38
$\sigma_S(knownw)$	17.21	24.66	21.27	7.89
$\mu_S(stopw)$	7.65	7.44	7.93	7.53
$\sigma_S(stopw)$	8.03	8.96	9.55	6.24
$\mu_S(puncts)$	5.99	7.81	6.49	4.93
$\sigma_S(puncts)$	23.12	21.98	34.36	9.49
$msgs$	1993	385	708	900
$msgs_{\%}$	100.00	19.32	35.52	45.16
$\mu_M(sents)$	5.85	5.62	5.61	6.14
$\sigma_M(sents)$	6.00	7.93	4.97	5.76
$\mu_M(tokens)$	136.99	149.57	139.60	129.56
$\sigma_M(tokens)$	245.13	423.56	213.09	143.08
$\mu_M(knownw)$	40.65	45.71	41.09	38.15
$\sigma_M(knownw)$	80.83	148.89	60.97	45.21
$\mu_M(stopw)$	37.65	34.83	37.36	39.09
$\sigma_M(stopw)$	42.70	41.36	40.98	44.49
$\mu_M(puncts)$	30.74	37.35	31.80	27.09
$\sigma_M(puncts)$	92.35	170.03	82.91	32.81
$\mu_M(chars)$	591.33	629.37	597.84	569.94
$\sigma_M(chars)$	963.21	1625.29	801.72	646.34

TABLE S6. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 4

	g.	**p.**	**i.**	**h.**
N	151	95	44	12
$N_{\%}$	100.00	62.91	29.14	7.95
M	1984.00	233.00	690.00	1061.00
$M_{\%}$	100.00	11.74	34.78	53.48
Γ	490.00	129.00	249.00	112.00
$\Gamma_{\%}$	100.00	26.33	50.82	22.86
$\frac{\Gamma}{M}\%$	24.70	55.36	36.09	10.56
$\mu(\gamma)$	2.84	2.71	2.89	2.89
$\sigma(\gamma)$	0.36	0.45	0.31	0.31
$chars$	786886	102665	288757	395464
$chars_{\%}$	100.00	13.05	36.70	50.26
$\frac{spaces}{chars}$	14.81	14.21	14.17	15.45
$\frac{punct}{chars-spaces}$	6.96	7.38	7.75	6.26
$\frac{digits}{chars-spaces}$	1.67	2.06	2.51	0.93
$\frac{letters}{chars-spaces}$	89.43	87.89	87.87	90.99
$\frac{vogals}{letters}$	35.78	35.33	35.39	36.17
$\frac{uppercase}{letters}$	5.47	5.81	6.15	4.90
$tokens$	171661	22566	63520	85575
$tokens_{\%}$	100.00	13.15	37.00	49.85
$tokens \neq$	7.40	18.78	10.99	8.70
$\frac{knownw}{tokens}$	35.49	33.91	34.82	36.41
$\frac{knownw\neq}{knownw}$	9.72	28.06	15.71	14.18
$\frac{stopw}{knownw}$	94.03	85.55	87.63	100.65
$\frac{punct}{tokens}$	21.29	22.86	22.95	19.64
$\frac{contrac}{tokens}$	1.14	1.07	0.91	1.33
$\mu(\overline{tokens})$	3.83	3.80	3.83	3.84
$\sigma(\overline{tokens})$	2.87	2.85	2.97	2.80
$\mu(\overline{knownw})$	5.63	5.49	5.60	5.68
$\sigma(\overline{knownw})$	2.25	2.27	2.30	2.21
$\mu(\overline{knownw \neq})$	6.95	6.38	6.75	6.90
$\sigma(\overline{knownw \neq})$	2.56	2.46	2.52	2.48
$\mu(\overline{stopw})$	2.77	2.73	2.73	2.79
$\sigma(\overline{stopw})$	1.13	1.12	1.13	1.13
$sents$	5686	785	1936	2967
$sents_{\%}$	99.96	13.80	34.04	52.16
$\mu_S(chars)$	137.30	129.59	148.11	132.18
$\sigma_S(chars)$	204.84	147.80	297.85	128.63
$\mu_S(tokens)$	30.20	28.75	32.82	28.85
$\sigma_S(tokens)$	48.45	35.54	71.66	28.38
$\mu_S(knownw)$	9.64	8.48	10.20	9.57
$\sigma_S(knownw)$	12.34	9.78	16.86	8.98
$\mu_S(stopw)$	8.98	7.28	8.79	9.55
$\sigma_S(stopw)$	8.68	7.80	9.48	8.28
$\mu_S(puncts)$	6.43	6.58	7.54	5.67
$\sigma_S(puncts)$	19.96	13.50	31.02	9.24
$msgs$	1984	233	690	1061
$msgs_{\%}$	100.00	11.74	34.78	53.48
$\mu_M(sents)$	3.80	4.26	3.74	3.74
$\sigma_M(sents)$	4.11	5.65	4.34	3.50
$\mu_M(tokens)$	87.82	98.19	93.17	82.06
$\sigma_M(tokens)$	122.65	131.97	151.59	96.36
$\mu_M(knownw)$	27.74	28.70	28.72	26.89
$\sigma_M(knownw)$	37.74	39.22	43.90	32.71
$\mu_M(stopw)$	25.85	24.61	24.78	26.82
$\sigma_M(stopw)$	34.09	35.88	35.98	32.34
$\mu_M(puncts)$	19.42	23.18	21.98	16.93
$\sigma_M(puncts)$	38.31	35.57	54.38	23.01
$\mu_M(chars)$	395.20	439.13	417.34	371.15
$\sigma_M(chars)$	547.74	598.64	667.32	437.48

TABLE S7. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 5

	g.	**p.**	**i.**	**h.**
N	450	317	121	12
$N_{\%}$	100.00	70.44	26.89	2.67
M	2000.00	564.00	815.00	621.00
$M_{\%}$	100.00	28.20	40.75	31.05
Γ	551.00	313.00	227.00	11.00
$\Gamma_{\%}$	100.00	56.81	41.20	2.00
$\frac{\Gamma}{M}\%$	27.55	55.50	27.85	1.77
$\mu(\gamma)$	2.75	2.67	2.86	2.55
$\sigma(\gamma)$	0.43	0.47	0.35	0.50
$chars$	1485813	552986	554328	378499
$chars_{\%}$	100.00	37.22	37.31	25.47
$\frac{spaces}{chars}$	12.94	12.79	12.82	13.35
$\frac{punct}{chars-spaces}$	9.54	10.53	10.15	7.20
$\frac{digits}{chars-spaces}$	4.49	7.13	3.87	1.54
$\frac{letters}{chars-spaces}$	83.95	80.09	83.95	89.65
$\frac{vogals}{letters}$	36.94	36.10	36.98	38.00
$\frac{uppercase}{letters}$	4.49	4.60	4.68	4.07
$tokens$	333351	124792	126935	81624
$tokens_{\%}$	100.00	37.44	38.08	24.49
$tokens \neq$	4.05	6.60	5.72	6.33
$\frac{knownw}{tokens}$	31.21	30.61	30.54	33.15
$\frac{knownw\neq}{knownw}$	5.26	9.05	9.17	11.62
$\frac{stopw}{knownw}$	83.85	78.31	83.43	92.25
$\frac{punct}{tokens}$	28.97	30.76	30.21	24.31
$\frac{contrac}{tokens}$	0.46	0.37	0.49	0.54
$\mu(\overline{tokens})$	3.80	3.78	3.73	3.95
$\sigma(\overline{tokens})$	3.20	3.40	3.09	3.04
$\mu(\overline{knownw})$	5.73	5.65	5.74	5.83
$\sigma(\overline{knownw})$	2.13	2.17	2.12	2.09
$\mu(\overline{knownw \neq})$	6.94	6.75	6.76	6.83
$\sigma(\overline{knownw \neq})$	2.54	2.49	2.46	2.44
$\mu(\overline{stopw})$	2.90	2.83	2.91	2.97
$\sigma(\overline{stopw})$	1.21	1.22	1.22	1.19
$sents$	10053	3271	3733	3051
$sents_{\%}$	99.98	32.53	37.13	30.34
$\mu_S(chars)$	146.73	167.92	147.45	123.02
$\sigma_S(chars)$	422.29	648.07	296.91	168.58
$\mu_S(tokens)$	33.17	38.16	34.01	26.76
$\sigma_S(tokens)$	93.80	134.99	80.23	38.84
$\mu_S(knownw)$	9.30	10.52	9.25	8.05
$\sigma_S(knownw)$	15.88	21.68	13.89	9.36
$\mu_S(stopw)$	7.37	7.70	7.35	7.03
$\sigma_S(stopw)$	6.37	7.34	6.00	5.62
$\mu_S(puncts)$	9.61	11.75	10.28	6.51
$\sigma_S(puncts)$	41.01	53.43	41.86	17.94
$msgs$	2000	564	815	621
$msgs_{\%}$	100.00	28.20	40.75	31.05
$\mu_M(sents)$	6.01	6.77	5.57	5.91
$\sigma_M(sents)$	3.70	4.32	3.31	3.47
$\mu_M(tokens)$	167.45	222.10	156.52	132.17
$\sigma_M(tokens)$	238.71	364.92	187.67	110.60
$\mu_M(knownw)$	46.69	60.94	42.31	39.48
$\sigma_M(knownw)$	47.28	67.27	37.17	31.83
$\mu_M(stopw)$	37.10	44.71	33.72	34.62
$\sigma_M(stopw)$	28.93	35.25	24.01	27.13
$\mu_M(puncts)$	49.06	68.89	47.83	32.68
$\sigma_M(puncts)$	101.77	147.36	92.38	42.53
$\mu_M(chars)$	741.83	979.30	679.08	608.51
$\sigma_M(chars)$	1065.26	1707.43	723.75	495.28

TABLE S8. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 6

	g.	**p.**	**i.**	**h.**
N	86	51	27	8
$N_{\%}$	100.00	59.30	31.40	9.30
M	2000.00	150.00	687.00	1163.00
$M_{\%}$	100.00	7.50	34.35	58.15
Γ	358.00	81.00	135.00	142.00
$\Gamma_{\%}$	100.00	22.63	37.71	39.66
$\frac{\Gamma}{M}\%$	17.90	54.00	19.65	12.21
$\mu(\gamma)$	2.74	2.70	2.82	2.68
$\sigma(\gamma)$	0.44	0.46	0.38	0.47
$chars$	1345438	100511	462737	782190
$chars_{\%}$	100.00	7.47	34.39	58.14
$\frac{spaces}{chars}$	15.55	14.19	15.18	15.94
$\frac{punct}{chars-spaces}$	5.73	7.07	6.45	5.12
$\frac{digits}{chars-spaces}$	1.10	1.74	1.87	0.56
$\frac{letters}{chars-spaces}$	91.22	89.10	89.61	92.45
$\frac{vogals}{letters}$	36.58	35.24	36.07	37.05
$\frac{uppercase}{letters}$	3.84	4.99	4.24	3.47
$tokens$	289604	21826	101066	166712
$tokens_{\%}$	100.00	7.54	34.90	57.57
$tokens \neq$	4.14	14.74	7.37	4.98
$\frac{knownw}{tokens}$	35.97	34.15	34.50	37.09
$\frac{knownw\neq}{knownw}$	6.17	25.37	12.03	8.34
$\frac{stopw}{knownw}$	104.41	92.92	100.41	108.05
$\frac{punct}{tokens}$	18.10	21.56	19.96	16.52
$\frac{contrac}{tokens}$	1.18	0.81	1.08	1.29
$\mu(\overline{tokens})$	3.85	3.87	3.80	3.87
$\sigma(\overline{tokens})$	2.77	3.02	2.85	2.69
$\mu(\overline{knownw})$	5.83	5.76	5.75	5.89
$\sigma(\overline{knownw})$	2.31	2.37	2.33	2.29
$\mu(\overline{knownw \neq})$	7.13	6.65	6.94	7.11
$\sigma(\overline{knownw \neq})$	2.57	2.53	2.54	2.53
$\mu(\overline{stopw})$	2.74	2.71	2.73	2.75
$\sigma(\overline{stopw})$	1.12	1.11	1.13	1.12
$sents$	11003	777	3695	6533
$sents_{\%}$	99.98	7.06	33.58	59.36
$\mu_S(chars)$	120.98	128.24	123.96	118.39
$\sigma_S(chars)$	120.49	158.17	148.10	95.14
$\mu_S(tokens)$	26.34	28.10	27.36	25.55
$\sigma_S(tokens)$	28.76	39.33	36.52	21.29
$\mu_S(knownw)$	8.45	8.36	8.36	8.50
$\sigma_S(knownw)$	7.55	10.27	8.23	6.72
$\mu_S(stopw)$	8.71	7.70	8.28	9.08
$\sigma_S(stopw)$	7.19	7.88	6.95	7.21
$\mu_S(puncts)$	4.78	6.06	5.47	4.24
$\sigma_S(puncts)$	10.07	13.60	13.89	6.24
$msgs$	2000	150	687	1163
$msgs_{\%}$	100.00	7.50	34.35	58.15
$\mu_M(sents)$	6.39	6.15	6.28	6.49
$\sigma_M(sents)$	6.83	3.95	6.67	7.21
$\mu_M(tokens)$	146.65	146.92	148.87	145.29
$\sigma_M(tokens)$	164.43	136.71	178.16	159.15
$\mu_M(knownw)$	46.38	43.29	44.93	47.64
$\sigma_M(knownw)$	52.84	40.13	53.14	54.05
$\mu_M(stopw)$	48.09	39.99	44.65	51.16
$\sigma_M(stopw)$	54.03	35.61	52.53	56.58
$\mu_M(puncts)$	27.93	32.56	30.96	25.54
$\sigma_M(puncts)$	38.91	40.46	47.72	32.16
$\mu_M(chars)$	670.15	668.45	671.24	669.73
$\sigma_M(chars)$	756.82	597.08	803.26	746.91

TABLE S9. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 7

	g.	**p.**	**i.**	**h.**
N	297	188	102	7
$N_{\%}$	100.00	63.30	34.34	2.36
M	1997.00	261.00	488.00	1224.00
$M_{\%}$	100.00	13.23	24.73	62.04
Γ	380.00	203.00	166.00	11.00
$\Gamma_{\%}$	100.00	53.42	43.68	2.89
$\frac{\Gamma}{M}\%$	19.03	77.78	34.02	0.90
$\mu(\gamma)$	2.44	2.34	2.57	2.36
$\sigma(\gamma)$	0.50	0.47	0.49	0.48
$chars$	1875991	233867	519411	1122713
$chars_{\%}$	100.00	12.47	27.69	59.85
$\frac{spaces}{chars}$	20.78	20.57	19.39	21.46
$\frac{punct}{chars-spaces}$	9.07	8.56	9.20	9.11
$\frac{digits}{chars-spaces}$	4.42	5.20	3.85	4.53
$\frac{letters}{chars-spaces}$	84.38	84.06	84.85	84.22
$\frac{vogals}{letters}$	33.48	33.73	33.22	33.56
$\frac{uppercase}{letters}$	8.95	8.23	10.72	8.26
$tokens$	396005	47782	112504	235720
$tokens_{\%}$	100.00	12.07	28.41	59.52
$tokens \neq$	3.98	12.13	7.65	4.38
$\frac{knownw}{tokens}$	32.09	33.13	32.77	31.56
$\frac{knownw\neq}{knownw}$	4.63	17.50	10.09	6.06
$\frac{stopw}{knownw}$	70.55	74.51	74.18	67.91
$\frac{punct}{tokens}$	25.60	22.46	25.59	26.25
$\frac{contrac}{tokens}$	0.69	0.59	0.73	0.69
$\mu(\overline{tokens})$	3.67	3.80	3.64	3.66
$\sigma(\overline{tokens})$	3.71	6.82	2.80	3.15
$\mu(\overline{knownw})$	5.61	5.71	5.66	5.56
$\sigma(\overline{knownw})$	2.60	2.56	2.65	2.58
$\mu(\overline{knownw \neq})$	6.90	6.55	6.77	6.88
$\sigma(\overline{knownw \neq})$	2.66	2.58	2.66	2.61
$\mu(\overline{stopw})$	2.70	2.73	2.65	2.71
$\sigma(\overline{stopw})$	1.13	1.14	1.13	1.12
$sents$	11071	1389	3503	6181
$sents_{\%}$	99.98	12.54	31.64	55.82
$\mu_S(chars)$	168.26	167.17	147.12	180.44
$\sigma_S(chars)$	262.70	240.36	179.14	303.36
$\mu_S(tokens)$	35.78	34.41	32.14	38.14
$\sigma_S(tokens)$	64.40	59.64	44.09	74.26
$\mu_S(knownw)$	8.78	9.21	7.80	9.23
$\sigma_S(knownw)$	13.75	9.21	7.40	16.96
$\mu_S(stopw)$	7.12	7.45	6.77	7.24
$\sigma_S(stopw)$	7.08	6.96	6.62	7.35
$\mu_S(puncts)$	9.17	7.73	8.25	10.01
$\sigma_S(puncts)$	18.30	15.41	17.97	19.01
$msgs$	1973	261	488	1224
$msgs_{\%}$	100.00	13.23	24.73	62.04
$\mu_M(sents)$	6.60	6.29	8.18	6.04
$\sigma_M(sents)$	7.72	9.09	9.17	6.60
$\mu_M(tokens)$	202.95	184.94	233.11	194.77
$\sigma_M(tokens)$	370.04	256.72	571.09	275.92
$\mu_M(knownw)$	49.99	49.69	56.70	47.38
$\sigma_M(knownw)$	65.98	69.74	54.21	69.16
$\mu_M(stopw)$	40.08	39.75	48.76	36.69
$\sigma_M(stopw)$	50.55	54.52	51.58	48.82
$\mu_M(puncts)$	52.78	42.20	60.69	51.88
$\sigma_M(puncts)$	153.68	62.40	280.62	76.10
$\mu_M(chars)$	948.87	894.54	1061.99	915.36
$\sigma_M(chars)$	1202.57	1146.85	1439.87	1103.27

TABLE S10. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 8

	g.	**p.**	**i.**	**h.**
N	149	85	57	7
$N_{\%}$	100.00	57.05	38.26	4.70
M	2000.00	168.00	684.00	1148.00
$M_{\%}$	100.00	8.40	34.20	57.40
Γ	302.00	78.00	139.00	85.00
$\Gamma_{\%}$	100.00	25.83	46.03	28.15
$\frac{\Gamma}{M}\%$	15.10	46.43	20.32	7.40
$\mu(\gamma)$	2.79	2.76	2.87	2.71
$\sigma(\gamma)$	0.40	0.43	0.34	0.46
$chars$	994549	104110	446021	444418
$chars_{\%}$	100.00	10.47	44.85	44.69
$\frac{spaces}{chars}$	15.11	13.66	14.83	15.73
$\frac{punct}{chars-spaces}$	5.38	7.84	5.74	4.44
$\frac{digits}{chars-spaces}$	1.61	3.52	1.98	0.78
$\frac{letters}{chars-spaces}$	91.12	86.73	90.34	92.97
$\frac{vogals}{letters}$	35.59	33.69	35.59	36.01
$\frac{uppercase}{letters}$	5.67	8.36	5.40	5.34
$tokens$	209578	23051	94458	92069
$tokens_{\%}$	100.00	11.00	45.07	43.93
$tokens \neq$	6.24	14.73	9.68	7.78
$\frac{knownw}{tokens}$	37.71	34.02	36.66	39.71
$\frac{knownw\neq}{knownw}$	8.10	24.85	13.06	12.80
$\frac{stopw}{knownw}$	94.47	86.74	91.94	98.52
$\frac{punct}{tokens}$	17.41	23.36	18.40	14.92
$\frac{contrac}{tokens}$	1.14	0.57	0.98	1.44
$\mu(\overline{tokens})$	3.95	3.83	3.95	3.99
$\sigma(\overline{tokens})$	2.85	3.11	2.93	2.69
$\mu(\overline{knownw})$	5.99	5.85	5.93	6.08
$\sigma(\overline{knownw})$	2.44	2.45	2.48	2.40
$\mu(\overline{knownw \neq})$	7.23	6.63	7.05	7.22
$\sigma(\overline{knownw \neq})$	2.63	2.52	2.58	2.59
$\mu(\overline{stopw})$	2.73	2.67	2.69	2.77
$\sigma(\overline{stopw})$	1.12	1.13	1.14	1.10
$sents$	8201	732	3212	4259
$sents_{\%}$	99.98	8.92	39.16	51.92
$\mu_S(chars)$	120.12	141.10	137.75	103.15
$\sigma_S(chars)$	206.93	212.72	298.65	82.58
$\mu_S(tokens)$	25.56	31.49	29.42	21.62
$\sigma_S(tokens)$	47.81	54.89	68.58	17.44
$\mu_S(knownw)$	8.78	9.56	9.86	7.82
$\sigma_S(knownw)$	13.27	11.44	19.02	6.48
$\mu_S(stopw)$	8.05	8.04	8.77	7.51
$\sigma_S(stopw)$	7.12	7.40	8.18	6.09
$\mu_S(puncts)$	4.46	7.36	5.42	3.23
$\sigma_S(puncts)$	18.36	24.91	26.28	4.21
$msgs$	2000	168	684	1148
$msgs_{\%}$	100.00	8.40	34.20	57.40
$\mu_M(sents)$	5.07	5.32	5.66	4.68
$\sigma_M(sents)$	4.59	3.79	4.91	4.46
$\mu_M(tokens)$	106.18	138.18	139.70	81.52
$\sigma_M(tokens)$	151.13	170.62	212.79	84.43
$\mu_M(knownw)$	35.98	41.73	46.33	28.98
$\sigma_M(knownw)$	44.24	41.32	58.65	31.49
$\mu_M(stopw)$	33.11	35.06	41.34	27.92
$\sigma_M(stopw)$	35.06	29.35	42.08	29.88
$\mu_M(puncts)$	19.46	32.83	26.78	13.14
$\sigma_M(puncts)$	51.47	70.74	77.40	14.69
$\mu_M(chars)$	495.57	618.57	650.09	385.50
$\sigma_M(chars)$	664.42	712.76	916.19	407.51

TABLE S11. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 9

	g.	**p.**	**i.**	**h.**
N	466	258	192	16
$N_{\%}$	100.00	55.36	41.20	3.43
M	1992.00	426.00	1040.00	526.00
$M_{\%}$	100.00	21.39	52.21	26.41
Γ	633.00	264.00	291.00	78.00
$\Gamma_{\%}$	100.00	41.71	45.97	12.32
$\frac{\Gamma}{M}\%$	31.78	61.97	27.98	14.83
$\mu(\gamma)$	2.57	2.38	2.71	2.67
$\sigma(\gamma)$	0.50	0.48	0.45	0.47
$chars$	1148928	235614	590628	322686
$chars_{\%}$	100.00	20.51	51.41	28.09
$\frac{spaces}{chars}$	15.82	15.13	16.16	15.70
$\frac{punct}{chars-spaces}$	6.62	6.14	6.89	6.49
$\frac{digits}{chars-spaces}$	2.32	2.16	2.44	2.22
$\frac{letters}{chars-spaces}$	88.98	89.57	88.53	89.35
$\frac{vogals}{letters}$	35.33	34.07	35.52	35.94
$\frac{uppercase}{letters}$	6.58	10.12	5.82	5.33
$tokens$	262904	52905	136049	73950
$tokens_{\%}$	100.00	20.12	51.75	28.13
$tokens \neq$	4.64	9.44	6.38	7.32
$\frac{knownw}{tokens}$	34.87	35.44	34.35	35.42
$\frac{knownw\neq}{knownw}$	6.20	14.83	9.04	12.19
$\frac{stopw}{knownw}$	94.84	91.55	97.34	92.72
$\frac{punct}{tokens}$	20.49	20.29	20.53	20.56
$\frac{contrac}{tokens}$	0.92	0.67	0.98	0.98
$\mu(\overline{tokens})$	3.60	3.70	3.56	3.61
$\sigma(\overline{tokens})$	2.51	2.67	2.46	2.49
$\mu(\overline{knownw})$	5.56	5.65	5.49	5.62
$\sigma(\overline{knownw})$	2.26	2.25	2.23	2.30
$\mu(\overline{knownw \neq})$	6.78	6.48	6.61	6.60
$\sigma(\overline{knownw \neq})$	2.52	2.44	2.46	2.44
$\mu(\overline{stopw})$	2.67	2.65	2.65	2.73
$\sigma(\overline{stopw})$	1.06	1.06	1.07	1.04
$sents$	13331	2706	6960	3667
$sents_{\%}$	99.98	20.30	52.20	27.50
$\mu_S(chars)$	85.06	85.93	83.75	86.84
$\sigma_S(chars)$	111.15	128.37	105.92	107.00
$\mu_S(tokens)$	19.73	19.55	19.56	20.17
$\sigma_S(tokens)$	25.91	28.24	24.63	26.47
$\mu_S(knownw)$	5.64	5.27	5.61	5.96
$\sigma_S(knownw)$	7.13	6.21	7.00	7.96
$\mu_S(stopw)$	5.59	5.18	5.61	5.85
$\sigma_S(stopw)$	6.33	5.44	6.51	6.55
$\mu_S(puncts)$	4.05	3.97	4.03	4.15
$\sigma_S(puncts)$	7.83	7.80	7.64	8.21
$msgs$	1992	426	1040	526
$msgs_{\%}$	100.00	21.39	52.21	26.41
$\mu_M(sents)$	7.54	7.22	7.52	7.83
$\sigma_M(sents)$	6.43	6.63	6.82	5.35
$\mu_M(tokens)$	133.28	125.21	132.18	141.99
$\sigma_M(tokens)$	160.82	150.47	161.20	167.63
$\mu_M(knownw)$	37.69	33.55	37.46	41.48
$\sigma_M(knownw)$	47.48	47.90	43.70	53.63
$\mu_M(stopw)$	37.51	33.01	37.65	40.87
$\sigma_M(stopw)$	44.22	44.56	42.94	46.08
$\mu_M(puncts)$	28.27	26.04	28.16	30.30
$\sigma_M(puncts)$	47.49	32.22	54.61	42.38
$\mu_M(chars)$	575.03	551.83	566.02	611.61
$\sigma_M(chars)$	681.67	656.67	668.57	724.43

TABLE S12. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 10

	g.	**p.**	**i.**	**h.**
N	407	269	120	18
$N_{\%}$	100.00	66.09	29.48	4.42
M	1993.00	453.00	777.00	763.00
$M_{\%}$	100.00	22.73	38.99	38.28
Γ	779.00	310.00	387.00	82.00
$\Gamma_{\%}$	100.00	39.79	49.68	10.53
$\frac{\Gamma}{M}\%$	39.09	68.43	49.81	10.75
$\mu(\gamma)$	2.36	2.24	2.45	2.40
$\sigma(\gamma)$	0.48	0.42	0.50	0.49
$chars$	2269319	605319	913470	750530
$chars_{\%}$	100.00	26.67	40.25	33.07
$\frac{spaces}{chars}$	14.01	13.81	14.10	14.07
$\frac{punct}{chars-spaces}$	6.71	6.24	6.64	7.17
$\frac{digits}{chars-spaces}$	0.74	0.91	0.98	0.33
$\frac{letters}{chars-spaces}$	90.57	90.88	90.39	90.54
$\frac{vogals}{letters}$	35.74	35.89	35.75	35.59
$\frac{uppercase}{letters}$	6.56	6.57	6.48	6.64
$tokens$	500672	129794	202536	168344
$tokens_{\%}$	100.00	25.92	40.45	33.62
$tokens \neq$	3.90	7.75	5.93	6.05
$\frac{knownw}{tokens}$	39.50	40.84	39.19	38.83
$\frac{knownw\neq}{knownw}$	5.97	11.98	9.93	11.19
$\frac{stopw}{knownw}$	73.56	69.61	74.72	75.36
$\frac{punct}{tokens}$	22.48	21.89	22.35	23.10
$\frac{contrac}{tokens}$	0.95	0.77	0.96	1.07
$\mu(\overline{tokens})$	3.82	3.94	3.80	3.76
$\sigma(\overline{tokens})$	2.73	2.80	2.69	2.71
$\mu(\overline{knownw})$	5.90	6.09	5.88	5.77
$\sigma(\overline{knownw})$	2.62	2.66	2.63	2.57
$\mu(\overline{knownw \neq})$	7.41	7.27	7.26	7.25
$\sigma(\overline{knownw \neq})$	2.61	2.63	2.58	2.56
$\mu(\overline{stopw})$	2.74	2.73	2.73	2.75
$\sigma(\overline{stopw})$	1.09	1.07	1.09	1.10
$sents$	16509	4377	6501	5633
$sents_{\%}$	99.99	26.51	39.37	34.12
$\mu_S(chars)$	136.34	137.16	139.37	132.15
$\sigma_S(chars)$	116.18	128.58	114.15	107.92
$\mu_S(tokens)$	30.33	29.66	31.16	29.89
$\sigma_S(tokens)$	27.19	28.69	26.87	26.33
$\mu_S(knownw)$	9.86	9.79	10.04	9.70
$\sigma_S(knownw)$	7.92	8.47	7.86	7.53
$\mu_S(stopw)$	7.76	7.46	8.04	7.68
$\sigma_S(stopw)$	6.22	6.18	6.29	6.15
$\mu_S(puncts)$	6.82	6.49	6.97	6.91
$\sigma_S(puncts)$	9.27	9.26	9.19	9.35
$msgs$	1993	453	777	763
$msgs_{\%}$	100.00	22.73	38.99	38.28
$\mu_M(sents)$	9.27	10.65	9.35	8.37
$\sigma_M(sents)$	8.24	10.94	8.01	6.23
$\mu_M(tokens)$	254.48	289.62	264.04	223.89
$\sigma_M(tokens)$	182.77	219.51	186.82	146.08
$\mu_M(knownw)$	82.30	95.30	84.65	72.19
$\sigma_M(knownw)$	65.81	77.92	66.77	54.42
$\mu_M(stopw)$	64.52	72.25	67.46	56.94
$\sigma_M(stopw)$	61.83	67.12	65.37	53.47
$\mu_M(puncts)$	58.86	64.90	60.75	53.34
$\sigma_M(puncts)$	33.92	42.09	33.98	26.87
$\mu_M(chars)$	1135.33	1333.14	1172.17	980.37
$\sigma_M(chars)$	895.12	1107.33	903.28	696.69

TABLE S13. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 11

	g.	**p.**	**i.**	**h.**
N	174	105	62	7
$N_{\%}$	100.00	60.34	35.63	4.02
M	2000.00	233.00	842.00	925.00
$M_{\%}$	100.00	11.65	42.10	46.25
Γ	624.00	125.00	380.00	119.00
$\Gamma_{\%}$	100.00	20.03	60.90	19.07
$\frac{\Gamma}{M}\%$	31.20	53.65	45.13	12.86
$\mu(\gamma)$	2.69	2.65	2.70	2.69
$\sigma(\gamma)$	0.46	0.48	0.46	0.46
$chars$	903712	151623	551842	200247
$chars_{\%}$	100.00	16.78	61.06	22.16
$\frac{spaces}{chars}$	16.20	15.03	16.18	17.13
$\frac{punct}{chars-spaces}$	6.66	7.83	7.07	4.60
$\frac{digits}{chars-spaces}$	4.98	4.33	6.23	1.99
$\frac{letters}{chars-spaces}$	86.25	85.69	84.45	91.71
$\frac{vogals}{letters}$	34.48	33.89	34.04	36.01
$\frac{uppercase}{letters}$	7.60	8.82	8.34	4.82
$tokens$	208867	34933	129563	44372
$tokens_{\%}$	100.00	16.72	62.03	21.24
$tokens \neq$	5.11	11.57	6.27	10.78
$\frac{knownw}{tokens}$	33.37	33.41	32.58	35.65
$\frac{knownw\neq}{knownw}$	6.70	17.79	8.52	18.06
$\frac{stopw}{knownw}$	92.04	86.16	85.30	114.36
$\frac{punct}{tokens}$	20.98	22.80	22.44	15.28
$\frac{contrac}{tokens}$	1.04	0.82	0.80	1.93
$\mu(\overline{tokens})$	3.55	3.61	3.49	3.68
$\sigma(\overline{tokens})$	2.63	2.75	2.67	2.42
$\mu(\overline{knownw})$	5.45	5.51	5.36	5.62
$\sigma(\overline{knownw})$	2.25	2.32	2.25	2.18
$\mu(\overline{knownw \neq})$	6.61	6.26	6.46	6.52
$\sigma(\overline{knownw \neq})$	2.49	2.40	2.46	2.41
$\mu(\overline{stopw})$	2.69	2.65	2.68	2.75
$\sigma(\overline{stopw})$	1.10	1.09	1.10	1.09
$sents$	7086	1057	4221	1810
$sents_{\%}$	99.97	14.91	59.55	25.54
$\mu_S(chars)$	126.18	142.19	129.50	108.95
$\sigma_S(chars)$	279.70	452.74	276.24	90.16
$\mu_S(tokens)$	29.48	33.05	30.70	24.53
$\sigma_S(tokens)$	74.68	117.29	75.62	20.72
$\mu_S(knownw)$	8.44	9.19	8.47	7.92
$\sigma_S(knownw)$	18.31	25.15	19.61	6.83
$\mu_S(stopw)$	7.85	8.19	7.37	8.78
$\sigma_S(stopw)$	8.41	8.82	8.76	7.17
$\mu_S(puncts)$	6.19	7.54	6.89	3.76
$\sigma_S(puncts)$	28.12	53.16	24.61	4.89
$msgs$	2000	233	842	925
$msgs_{\%}$	100.00	11.65	42.10	46.25
$\mu_M(sents)$	4.49	5.45	5.96	2.90
$\sigma_M(sents)$	4.45	4.60	5.15	2.96
$\mu_M(tokens)$	105.80	151.51	155.54	49.01
$\sigma_M(tokens)$	192.96	322.20	219.23	67.83
$\mu_M(knownw)$	29.98	41.85	42.64	15.47
$\sigma_M(knownw)$	47.85	70.72	55.42	22.46
$\mu_M(stopw)$	27.94	37.26	37.08	17.27
$\sigma_M(stopw)$	33.42	41.71	35.66	24.62
$\mu_M(puncts)$	23.01	35.42	35.76	8.27
$\sigma_M(puncts)$	66.96	138.59	68.76	12.22
$\mu_M(chars)$	450.33	649.09	653.69	215.15
$\sigma_M(chars)$	766.57	1273.94	852.31	312.40

TABLE S14. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 12

	g.	**p.**	**i.**	**h.**
N	72	42	25	5
$N_{\%}$	100.00	58.33	34.72	6.94
M	2000.00	1062.00	376.00	562.00
$M_{\%}$	100.00	53.10	18.80	28.10
Γ	1570.00	1053.00	245.00	272.00
$\Gamma_{\%}$	100.00	67.07	15.61	17.32
$\frac{\Gamma}{M}\%$	78.50	99.15	65.16	48.40
$\mu(\gamma)$	2.09	2.01	2.36	2.17
$\sigma(\gamma)$	0.29	0.11	0.48	0.37
$chars$	1521456	562972	622899	335585
$chars_{\%}$	100.00	37.00	40.94	22.06
$\frac{spaces}{chars}$	13.96	15.71	12.73	13.30
$\frac{punct}{chars-spaces}$	8.19	6.05	10.52	7.34
$\frac{digits}{chars-spaces}$	2.40	2.93	1.52	3.18
$\frac{letters}{chars-spaces}$	87.23	88.68	86.09	86.97
$\frac{vogals}{letters}$	31.04	21.95	36.60	35.88
$\frac{uppercase}{letters}$	19.09	42.65	4.81	6.34
$tokens$	334347	115627	143652	75069
$tokens_{\%}$	100.00	34.58	42.96	22.45
$tokens \neq$	2.79	4.39	3.41	6.97
$\frac{knownw}{tokens}$	34.97	38.47	32.31	34.66
$\frac{knownw\neq}{knownw}$	3.96	5.46	6.21	11.96
$\frac{stopw}{knownw}$	57.80	64.62	45.85	67.45
$\frac{punct}{tokens}$	30.13	23.62	37.30	26.46
$\frac{contrac}{tokens}$	0.52	0.28	0.46	1.03
$\mu(\overline{tokens})$	3.83	4.01	3.71	3.78
$\sigma(\overline{tokens})$	3.18	3.01	3.33	3.12
$\mu(\overline{knownw})$	5.86	5.92	5.81	5.83
$\sigma(\overline{knownw})$	2.25	2.30	2.10	2.42
$\mu(\overline{knownw \neq})$	7.17	6.85	7.06	7.10
$\sigma(\overline{knownw \neq})$	2.57	2.53	2.52	2.50
$\mu(\overline{stopw})$	2.85	2.99	2.75	2.76
$\sigma(\overline{stopw})$	1.14	1.17	1.09	1.13
$sents$	6338	2137	2275	1928
$sents_{\%}$	99.97	33.71	35.88	30.41
$\mu_S(chars)$	238.75	262.16	272.59	172.63
$\sigma_S(chars)$	2229.92	412.15	3660.19	586.32
$\mu_S(tokens)$	52.76	54.12	63.15	38.94
$\sigma_S(tokens)$	539.48	98.89	884.93	146.78
$\mu_S(knownw)$	13.50	9.69	18.62	11.67
$\sigma_S(knownw)$	152.64	20.72	251.64	36.72
$\mu_S(stopw)$	7.14	5.21	8.25	7.97
$\sigma_S(stopw)$	8.56	7.43	10.55	6.48
$\mu_S(puncts)$	15.90	12.79	23.56	10.31
$\sigma_S(puncts)$	259.97	40.54	428.29	61.56
$msgs$	2000	1062	376	562
$msgs_{\%}$	100.00	53.10	18.80	28.10
$\mu_M(sents)$	4.15	3.01	7.01	4.42
$\sigma_M(sents)$	6.63	6.44	6.79	6.25
$\mu_M(tokens)$	168.74	109.95	384.17	135.69
$\sigma_M(tokens)$	489.63	290.17	940.99	250.92
$\mu_M(knownw)$	42.86	19.62	112.70	40.06
$\sigma_M(knownw)$	136.20	72.83	264.96	68.77
$\mu_M(stopw)$	22.70	10.51	50.06	27.45
$\sigma_M(stopw)$	49.08	33.81	58.04	57.93
$\mu_M(puncts)$	51.27	26.02	144.28	36.73
$\sigma_M(puncts)$	221.97	98.64	461.94	83.53
$\mu_M(chars)$	759.47	529.72	1653.97	595.19
$\sigma_M(chars)$	2134.32	1414.53	3936.55	1183.32

TABLE S15. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 13

	g.	**p.**	**i.**	**h.**
N	224	124	90	10
$N_{\%}$	100.00	55.36	40.18	4.46
M	2000.00	197.00	853.00	950.00
$M_{\%}$	100.00	9.85	42.65	47.50
Γ	582.00	109.00	282.00	191.00
$\Gamma_{\%}$	100.00	18.73	48.45	32.82
$\frac{\Gamma}{M}\%$	29.10	55.33	33.06	20.11
$\mu(\gamma)$	2.67	2.75	2.72	2.54
$\sigma(\gamma)$	0.47	0.43	0.45	0.50
$chars$	1451142	143121	711061	596960
$chars_{\%}$	100.00	9.86	49.00	41.14
$\frac{spaces}{chars}$	15.80	15.76	15.80	15.80
$\frac{punct}{chars-spaces}$	5.19	5.69	5.12	5.15
$\frac{digits}{chars-spaces}$	1.57	1.62	1.39	1.77
$\frac{letters}{chars-spaces}$	91.34	90.70	91.62	91.16
$\frac{vogals}{letters}$	35.99	35.45	35.93	36.18
$\frac{uppercase}{letters}$	6.15	6.70	6.38	5.73
$tokens$	313700	31482	153108	129111
$tokens_{\%}$	100.00	10.04	48.81	41.16
$tokens \neq$	4.17	12.71	6.03	5.70
$\frac{knownw}{tokens}$	39.67	39.02	40.24	39.16
$\frac{knownw\neq}{knownw}$	5.62	19.41	8.51	8.97
$\frac{stopw}{knownw}$	87.55	85.04	86.35	89.63
$\frac{punct}{tokens}$	17.72	18.78	17.37	17.88
$\frac{contrac}{tokens}$	0.84	0.86	0.85	0.81
$\mu(\overline{tokens})$	3.82	3.75	3.84	3.82
$\sigma(\overline{tokens})$	2.60	2.59	2.63	2.57
$\mu(\overline{knownw})$	5.76	5.67	5.74	5.80
$\sigma(\overline{knownw})$	2.31	2.26	2.29	2.35
$\mu(\overline{knownw \neq})$	7.05	6.47	6.94	6.96
$\sigma(\overline{knownw \neq})$	2.55	2.39	2.52	2.50
$\mu(\overline{stopw})$	2.75	2.69	2.73	2.79
$\sigma(\overline{stopw})$	1.08	1.09	1.10	1.07
$sents$	14294	1370	6829	6097
$sents_{\%}$	99.99	9.58	47.77	42.65
$\mu_S(chars)$	100.37	103.30	102.91	96.82
$\sigma_S(chars)$	90.48	93.83	103.20	72.51
$\mu_S(tokens)$	21.95	22.98	22.42	21.18
$\sigma_S(tokens)$	20.77	21.78	24.28	15.60
$\mu_S(knownw)$	6.95	6.99	7.14	6.73
$\sigma_S(knownw)$	6.11	6.30	6.75	5.26
$\mu_S(stopw)$	6.65	6.57	6.76	6.54
$\sigma_S(stopw)$	5.49	5.54	5.83	5.06
$\mu_S(puncts)$	3.89	4.32	3.90	3.79
$\sigma_S(puncts)$	6.90	7.03	8.65	4.06
$msgs$	2000	197	853	950
$msgs_{\%}$	100.00	9.85	42.65	47.50
$\mu_M(sents)$	8.14	7.94	8.98	7.42
$\sigma_M(sents)$	6.79	4.68	7.99	5.84
$\mu_M(tokens)$	158.69	161.59	181.52	137.59
$\sigma_M(tokens)$	143.32	100.29	175.22	112.59
$\mu_M(knownw)$	49.78	48.65	57.15	43.40
$\sigma_M(knownw)$	49.65	31.90	60.12	40.54
$\mu_M(stopw)$	47.74	45.89	54.41	42.13
$\sigma_M(stopw)$	47.36	32.39	56.39	39.71
$\mu_M(puncts)$	29.12	31.40	32.72	25.41
$\sigma_M(puncts)$	30.87	25.40	39.86	20.48
$\mu_M(chars)$	723.74	724.53	831.44	626.87
$\sigma_M(chars)$	664.84	449.72	815.45	521.30

TABLE S16. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 14

	g.	**p.**	**i.**	**h.**
N	182	114	61	7
$N_{\%}$	100.00	62.64	33.52	3.85
M	2000.00	202.00	573.00	1225.00
$M_{\%}$	100.00	10.10	28.65	61.25
Γ	353.00	99.00	105.00	149.00
$\Gamma_{\%}$	100.00	28.05	29.75	42.21
$\frac{\Gamma}{M}\%$	17.65	49.01	18.32	12.16
$\mu(\gamma)$	2.73	2.61	2.83	2.73
$\sigma(\gamma)$	0.45	0.49	0.38	0.44
$chars$	950050	126207	323573	500270
$chars_{\%}$	100.00	13.28	34.06	52.66
$\frac{spaces}{chars}$	14.70	12.63	14.83	15.13
$\frac{punct}{chars-spaces}$	7.68	10.86	7.74	6.81
$\frac{digits}{chars-spaces}$	1.92	3.43	1.87	1.56
$\frac{letters}{chars-spaces}$	88.47	83.79	88.41	89.72
$\frac{vogals}{letters}$	35.99	34.48	35.78	36.50
$\frac{uppercase}{letters}$	4.02	4.98	4.39	3.54
$tokens$	211609	32282	70431	108898
$tokens_{\%}$	100.00	15.26	33.28	51.46
$tokens \neq$	5.64	12.33	9.33	7.06
$\frac{knownw}{tokens}$	34.38	30.42	35.03	35.14
$\frac{knownw\neq}{knownw}$	8.35	23.31	15.08	11.70
$\frac{stopw}{knownw}$	94.44	73.56	90.31	102.46
$\frac{punct}{tokens}$	22.55	30.08	22.57	20.30
$\frac{contrac}{tokens}$	1.15	0.67	1.16	1.28
$\mu(\overline{tokens})$	3.76	3.35	3.84	3.82
$\sigma(\overline{tokens})$	2.91	2.81	2.98	2.88
$\mu(\overline{knownw})$	5.81	5.39	5.86	5.89
$\sigma(\overline{knownw})$	2.47	2.56	2.51	2.41
$\mu(\overline{knownw \neq})$	7.19	6.71	7.02	7.10
$\sigma(\overline{knownw \neq})$	2.61	2.53	2.54	2.60
$\mu(\overline{stopw})$	2.76	2.70	2.78	2.76
$\sigma(\overline{stopw})$	1.14	1.13	1.13	1.14
$sents$	7529	885	2693	3953
$sents_{\%}$	99.97	11.75	35.76	52.49
$\mu_S(chars)$	124.94	141.39	118.70	125.44
$\sigma_S(chars)$	141.68	188.95	142.23	127.89
$\mu_S(tokens)$	28.12	36.48	26.16	27.57
$\sigma_S(tokens)$	38.15	70.59	34.21	28.96
$\mu_S(knownw)$	8.81	9.82	8.33	8.92
$\sigma_S(knownw)$	9.33	14.00	8.39	8.58
$\mu_S(stopw)$	8.05	7.04	7.31	8.77
$\sigma_S(stopw)$	7.62	6.49	6.63	8.37
$\mu_S(puncts)$	6.35	10.98	5.91	5.62
$\sigma_S(puncts)$	15.94	34.21	14.03	9.04
$msgs$	2000	202	573	1225
$msgs_{\%}$	100.00	10.10	28.65	61.25
$\mu_M(sents)$	4.69	5.34	5.64	4.14
$\sigma_M(sents)$	4.98	4.84	6.28	4.17
$\mu_M(tokens)$	107.26	161.17	124.67	90.22
$\sigma_M(tokens)$	215.38	579.92	142.99	99.01
$\mu_M(knownw)$	33.15	43.02	39.14	28.72
$\sigma_M(knownw)$	47.48	105.55	42.89	30.51
$\mu_M(stopw)$	30.39	30.98	34.48	28.39
$\sigma_M(stopw)$	32.33	30.20	37.03	30.05
$\mu_M(puncts)$	25.10	49.15	29.20	19.22
$\sigma_M(puncts)$	95.36	281.02	44.89	27.28
$\mu_M(chars)$	473.31	623.24	562.76	406.75
$\sigma_M(chars)$	671.23	1417.57	641.79	446.87

TABLE S17. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 15

	g.	**p.**	**i.**	**h.**
N	308	162	123	23
$N_{\%}$	100.00	52.60	39.94	7.47
M	2000.00	245.00	885.00	869.00
$M_{\%}$	100.00	12.26	44.27	43.47
Γ	369.00	90.00	215.00	64.00
$\Gamma_{\%}$	100.00	24.39	58.27	17.34
$\frac{\Gamma}{M}\%$	18.45	36.73	24.29	7.36
$\mu(\gamma)$	2.63	2.47	2.67	2.73
$\sigma(\gamma)$	0.48	0.50	0.47	0.44
$chars$	1237298	181181	549391	506726
$chars_{\%}$	100.00	14.64	44.40	40.95
$\frac{spaces}{chars}$	17.09	18.81	16.88	16.70
$\frac{punct}{chars-spaces}$	5.30	5.54	5.93	4.54
$\frac{digits}{chars-spaces}$	2.40	3.43	2.93	1.46
$\frac{letters}{chars-spaces}$	90.21	88.60	89.03	92.05
$\frac{vogals}{letters}$	35.88	34.89	35.71	36.40
$\frac{uppercase}{letters}$	5.48	7.54	5.40	4.87
$tokens$	266438	36070	120956	109413
$tokens_{\%}$	100.00	13.54	45.40	41.06
$tokens \neq$	6.35	15.07	8.80	8.77
$\frac{knownw}{tokens}$	35.82	34.73	34.82	37.28
$\frac{knownw\neq}{knownw}$	8.67	24.31	13.05	14.21
$\frac{stopw}{knownw}$	100.63	87.48	98.19	107.20
$\frac{punct}{tokens}$	17.30	18.76	18.82	15.13
$\frac{contrac}{tokens}$	1.40	0.81	1.27	1.73
$\mu(\overline{tokens})$	3.77	3.98	3.70	3.78
$\sigma(\overline{tokens})$	2.67	3.14	2.67	2.51
$\mu(\overline{knownw})$	5.67	5.75	5.55	5.76
$\sigma(\overline{knownw})$	2.29	2.43	2.26	2.27
$\mu(\overline{knownw \neq})$	6.98	6.64	6.72	6.89
$\sigma(\overline{knownw \neq})$	2.58	2.54	2.51	2.54
$\mu(\overline{stopw})$	2.72	2.73	2.70	2.74
$\sigma(\overline{stopw})$	1.13	1.12	1.13	1.13
$sents$	10757	1252	4529	4978
$sents_{\%}$	99.98	11.64	42.09	46.27
$\mu_S(chars)$	113.88	143.37	120.21	100.65
$\sigma_S(chars)$	318.65	750.47	276.21	88.88
$\mu_S(tokens)$	24.78	28.83	26.72	21.98
$\sigma_S(tokens)$	40.56	77.72	42.08	20.23
$\mu_S(knownw)$	7.81	8.37	8.26	7.25
$\sigma_S(knownw)$	8.18	9.38	9.30	6.56
$\mu_S(stopw)$	7.78	7.61	7.92	7.70
$\sigma_S(stopw)$	6.88	6.94	7.36	6.39
$\mu_S(puncts)$	4.29	5.42	5.04	3.33
$\sigma_S(puncts)$	9.92	13.08	12.13	5.82
$msgs$	1999	245	885	869
$msgs_{\%}$	100.00	12.26	44.27	43.47
$\mu_M(sents)$	6.32	6.05	6.07	6.65
$\sigma_M(sents)$	6.90	8.48	5.99	7.24
$\mu_M(tokens)$	135.39	148.69	138.71	128.26
$\sigma_M(tokens)$	174.43	241.02	165.04	160.50
$\mu_M(knownw)$	41.97	42.74	42.26	41.45
$\sigma_M(knownw)$	52.44	61.75	47.61	54.25
$\mu_M(stopw)$	42.06	39.09	40.68	44.30
$\sigma_M(stopw)$	51.89	58.55	44.59	56.50
$\mu_M(puncts)$	24.93	28.83	27.48	21.24
$\sigma_M(puncts)$	35.23	40.80	38.45	29.26
$\mu_M(chars)$	616.33	737.60	618.29	580.14
$\sigma_M(chars)$	997.61	1864.58	862.74	738.72

TABLE S18. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 16

	g.	**p.**	**i.**	**h.**
N	89	51	27	11
$N_{\%}$	100.00	57.30	30.34	12.36
M	1991.00	153.00	419.00	1419.00
$M_{\%}$	100.00	7.68	21.04	71.27
Γ	713.00	104.00	134.00	475.00
$\Gamma_{\%}$	100.00	14.59	18.79	66.62
$\frac{\Gamma}{M}\%$	35.81	67.97	31.98	33.47
$\mu(\gamma)$	2.39	2.38	2.43	2.39
$\sigma(\gamma)$	0.49	0.48	0.49	0.49
$chars$	4023053	234243	516275	3272535
$chars_{\%}$	100.00	5.82	12.83	81.34
$\frac{spaces}{chars}$	15.57	15.23	15.53	15.60
$\frac{punct}{chars-spaces}$	3.97	3.90	4.14	3.95
$\frac{digits}{chars-spaces}$	0.46	1.08	0.72	0.37
$\frac{letters}{chars-spaces}$	93.65	93.21	93.13	93.76
$\frac{vogals}{letters}$	37.85	37.79	37.67	37.88
$\frac{uppercase}{letters}$	3.00	3.66	3.34	2.89
$tokens$	821988	46837	106094	669059
$tokens_{\%}$	100.00	5.70	12.91	81.40
$tokens \neq$	2.30	11.74	7.36	2.34
$\frac{knownw}{tokens}$	41.38	42.86	41.98	41.18
$\frac{knownw\neq}{knownw}$	3.68	19.97	12.44	4.00
$\frac{stopw}{knownw}$	98.39	87.77	90.82	100.38
$\frac{punct}{tokens}$	14.83	14.57	14.92	14.84
$\frac{contrac}{tokens}$	0.91	0.89	1.15	0.88
$\mu(\overline{tokens})$	4.05	4.16	4.03	4.05
$\sigma(\overline{tokens})$	2.71	2.78	2.71	2.71
$\mu(\overline{knownw})$	6.27	6.31	6.09	6.29
$\sigma(\overline{knownw})$	2.47	2.53	2.50	2.46
$\mu(\overline{knownw \neq})$	7.71	7.24	7.39	7.72
$\sigma(\overline{knownw \neq})$	2.68	2.60	2.62	2.65
$\mu(\overline{stopw})$	2.81	2.81	2.78	2.82
$\sigma(\overline{stopw})$	1.12	1.10	1.12	1.12
$sents$	36731	1733	4345	30655
$sents_{\%}$	99.99	4.72	11.83	83.45
$\mu_S(chars)$	108.46	133.93	117.59	105.72
$\sigma_S(chars)$	80.03	120.85	85.18	75.92
$\mu_S(tokens)$	22.38	27.03	24.42	21.83
$\sigma_S(tokens)$	16.14	23.80	17.94	15.24
$\mu_S(knownw)$	8.35	10.06	9.10	8.15
$\sigma_S(knownw)$	6.52	9.53	6.98	6.22
$\mu_S(stopw)$	8.13	9.21	8.30	8.04
$\sigma_S(stopw)$	6.50	8.49	6.50	6.36
$\mu_S(puncts)$	3.32	3.94	3.64	3.24
$\sigma_S(puncts)$	3.10	4.97	3.66	2.87
$msgs$	1991	153	419	1419
$msgs_{\%}$	100.00	7.68	21.04	71.27
$\mu_M(sents)$	19.38	12.29	11.33	22.52
$\sigma_M(sents)$	28.12	17.44	11.25	31.70
$\mu_M(tokens)$	417.39	309.61	256.89	476.40
$\sigma_M(tokens)$	580.98	462.79	242.61	648.68
$\mu_M(knownw)$	154.52	114.57	94.87	176.44
$\sigma_M(knownw)$	214.88	184.84	91.32	238.61
$\mu_M(stopw)$	150.36	104.49	86.37	174.20
$\sigma_M(stopw)$	223.30	160.00	88.50	250.77
$\mu_M(puncts)$	65.02	47.35	40.69	74.11
$\sigma_M(puncts)$	90.89	63.17	36.98	102.30
$\mu_M(chars)$	2015.37	1527.66	1228.34	2300.35
$\sigma_M(chars)$	2824.01	2415.92	1170.49	3141.04

TABLE S19. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 17

B. POS tags and wordnet synsets

1. Snapshots of 2000 messages

	g.	p.	i.	h.
NOUN	31.61	36.21	32.40	26.77
X	0.11	0.17	0.11	0.06
ADP	11.71	11.06	11.97	11.68
DET	11.02	9.31	10.68	12.91
VERB	22.15	21.17	21.71	23.70
ADJ	5.14	5.64	5.06	4.94
ADV	5.44	4.93	5.38	5.95
PRT	3.64	3.09	3.67	3.97
PRON	5.76	4.96	5.36	7.12
NUM	0.64	0.68	0.70	0.48
CONJ	2.78	2.78	2.96	2.43
PUNC	0.00	0.00	0.00	0.00
N	62.55	65.22	63.58	57.91
ADJ	8.34	8.28	7.95	9.25
VERB	3.57	2.84	3.50	4.38
ADV	25.54	23.66	24.97	28.45
POS	33.14	32.05	32.85	34.85
POS!	93.70	92.87	93.66	94.54

TABLE S20. Percentage of synsets with each of the POS tags used by Wordnet. The last lines give the percentage of words considered from all of the tokens (POS) and from the words with synset (POS!). The tokens not considered are punctuations, unrecognized words, words without synsets, stopwords and words for which Wordnet has no synset tagged with POS tags . Values for each Erdös sectors are in the columns **p.** for periphery, **i.** for intermediary, **h.** for hubs. TAG: 0

	g.	p.	i.	h.
entity.n.01	100.00	100.00	100.00	100.00
total	100.00	100.00	100.00	100.00
abstraction.n.06	65.98	65.24	65.57	67.74
physical_entity.n.01	34.02	34.76	34.43	32.26
total	100.00	100.00	100.00	100.00
psychological_feature.n.01	19.72	16.92	19.53	22.97
measure.n.02	17.49	19.45	18.06	14.16
object.n.01	15.78	15.36	15.77	16.23
causal_agent.n.01	14.48	15.42	14.82	12.74
communication.n.02	12.49	11.85	12.08	14.12
group.n.01	7.89	9.53	7.67	6.78
attribute.n.02	5.84	5.18	5.84	6.53
matter.n.03	2.89	3.43	2.90	2.32
relation.n.01	2.55	2.31	2.38	3.19
process.n.06	0.44	0.23	0.48	0.56
thing.n.12	0.42	0.31	0.47	0.42
total	100.00	100.00	100.00	100.00
definite_quantity.n.01	18.09	20.32	19.02	13.58
person.n.01	17.21	18.26	17.50	15.45
event.n.01	14.62	12.61	14.86	16.11
whole.n.02	14.22	14.06	13.55	15.96
cognition.n.01	9.37	7.66	9.08	11.81
message.n.02	5.54	5.52	5.19	6.41
state.n.02	4.12	3.76	4.33	4.00
arrangement.n.02	3.97	5.31	3.84	2.91
written_communication.n.01	3.65	2.64	3.37	5.32
location.n.01	3.31	3.51	3.37	2.98
indication.n.01	3.09	3.49	3.00	2.89
substance.n.01	2.81	2.85	2.90	2.57
total	100.00	100.00	100.00	100.00

TABLE S21. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 0

	g.	**p.**	**i.**	**h.**
$\mu(min\,depth)$	6.45	6.59	6.40	6.44
$\sigma(min\,depth)$	1.80	1.85	1.81	1.73
$\mu(max\,depth)$	6.94	7.11	6.90	6.87
$\sigma(max\,depth)$	2.10	2.14	2.11	2.00
$\mu(holonyms)$	0.10	0.11	0.10	0.08
$\sigma(holonyms)$	0.34	0.35	0.35	0.29
$\mu(meronyms)$	0.30	0.26	0.32	0.28
$\sigma(meronyms)$	1.93	1.34	2.30	1.41
$\mu(domains)$	0.06	0.04	0.06	0.06
$\sigma(domains)$	0.23	0.21	0.24	0.25
$\mu(similar)$	0.00	0.00	0.00	0.00
$\sigma(similar)$	0.00	0.00	0.00	0.00
$\mu(verb\,groups)$	0.00	0.00	0.00	0.00
$\sigma(verb\,groups)$	0.00	0.00	0.00	0.00
$\mu(lemmas)$	2.79	2.85	2.82	2.66
$\sigma(lemmas)$	2.50	2.60	2.52	2.34
$\mu(entailments)$	0.00	0.00	0.00	0.00
$\sigma(entailments)$	0.00	0.00	0.00	0.00
$\mu(hyponyms)$	8.77	7.74	9.24	8.67
$\sigma(hyponyms)$	27.50	26.93	28.64	25.17
$\mu(hypernyms)$	1.03	1.03	1.03	1.02
$\sigma(hypernyms)$	0.17	0.18	0.17	0.14

TABLE S22. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 0

	g.	**p.**	**i.**	**h.**
local.a.01	29.76	43.13	33.29	4.22
last.s.01	12.93	12.15	12.29	15.54
like.a.01	11.23	5.71	9.96	21.27
recent.s.01	10.40	9.84	10.20	11.61
new.a.01	8.32	4.98	7.52	14.48
certain.a.02	6.01	2.31	5.07	12.97
net.a.01	4.40	5.59	2.92	6.64
able.a.01	4.36	2.79	4.00	7.24
incorrect.a.01	3.83	3.77	3.82	3.92
confidential.s.01	3.48	3.65	4.77	0.00
all_right.s.01	2.75	3.52	2.63	2.11
privileged.a.01	2.53	2.55	3.52	0.00
total	100.00	100.00	100.00	100.00

TABLE S23. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 0

	g.	**p.**	**i.**	**h.**
$\mu(min\,depth)$	0.00	0.00	0.00	0.00
$\sigma(min\,depth)$	0.00	0.00	0.00	0.00
$\mu(max\,depth)$	0.00	0.00	0.00	0.00
$\sigma(max\,depth)$	0.00	0.00	0.00	0.00
$\mu(holonyms)$	0.00	0.00	0.00	0.00
$\sigma(holonyms)$	0.00	0.00	0.00	0.00
$\mu(meronyms)$	0.00	0.00	0.00	0.00
$\sigma(meronyms)$	0.00	0.00	0.00	0.00
$\mu(domains)$	0.04	0.04	0.04	0.05
$\sigma(domains)$	0.19	0.18	0.18	0.21
$\mu(similar)$	4.23	3.43	4.01	5.28
$\sigma(similar)$	5.83	5.57	5.70	6.10
$\mu(verb\,groups)$	0.00	0.00	0.00	0.00
$\sigma(verb\,groups)$	0.00	0.00	0.00	0.00
$\mu(lemmas)$	1.56	1.54	1.56	1.60
$\sigma(lemmas)$	1.22	1.21	1.23	1.20
$\mu(entailments)$	0.00	0.00	0.00	0.00
$\sigma(entailments)$	0.00	0.00	0.00	0.00
$\mu(hyponyms)$	0.00	0.00	0.00	0.00
$\sigma(hyponyms)$	0.00	0.00	0.00	0.00
$\mu(hypernyms)$	0.00	0.00	0.00	0.00
$\sigma(hypernyms)$	0.00	0.00	0.00	0.00

TABLE S24. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 0

	g.	p.	i.	h.
move.v.02	16.42	20.44	15.77	14.52
travel.v.01	12.47	10.74	12.14	14.46
act.v.01	12.38	13.42	12.09	12.11
change.v.01	8.51	6.92	8.11	10.53
get.v.01	8.35	8.39	8.83	7.39
change.v.02	7.31	6.69	7.09	8.20
think.v.03	7.21	5.75	7.45	7.87
make.v.03	6.96	6.07	8.20	5.26
use.v.01	6.44	4.70	6.44	7.82
have.v.01	6.13	9.40	5.78	4.24
designate.v.01	4.15	4.31	3.89	4.52
be.v.01	3.68	3.17	4.20	3.07
total	100.00	100.00	100.00	100.00
put.v.01	18.19	21.92	18.20	14.88
interact.v.01	10.76	10.22	11.51	9.83
travel_rapidly.v.01	10.59	9.08	10.15	12.74
keep.v.03	10.20	14.22	9.90	7.22
evaluate.v.02	9.52	6.86	9.88	11.18
change_magnitude.v.01	7.56	6.42	7.04	9.57
try.v.01	7.08	7.60	6.83	7.09
label.v.01	6.88	6.47	6.65	7.70
send.v.01	6.03	5.97	5.36	7.35
see.v.01	4.71	3.46	4.17	6.83
construct.v.01	4.29	5.23	5.02	2.09
state.v.01	4.19	2.57	5.29	3.52
total	100.00	100.00	100.00	100.00
install.v.01	20.00	25.27	20.76	13.90
run.v.01	14.89	12.36	14.55	17.79
communicate.v.02	14.54	13.65	16.06	12.51
increase.v.01	10.56	8.76	9.98	13.24
save.v.02	9.88	14.33	10.11	5.46
name.v.01	9.64	8.83	9.46	10.69
store.v.01	4.49	5.23	4.07	4.61
think.v.01	3.91	3.12	3.28	5.77
update.v.01	3.39	3.06	3.71	3.10
load.v.01	3.07	3.26	2.10	4.68
repair.v.01	2.90	1.09	2.10	6.01
read.v.01	2.73	1.02	3.81	2.25
total	100.00	100.00	100.00	100.00
inform.v.01	24.54	22.55	26.42	22.34
record.v.01	21.69	30.89	20.87	13.87
add.v.01	19.98	16.11	17.34	30.05
roll_up.v.02	9.26	11.13	7.86	10.48
write.v.07	4.88	3.66	6.84	1.69
upgrade.v.01	4.59	1.32	4.54	8.17
configure.v.01	3.56	3.95	3.79	2.62
promise.v.01	2.56	0.59	4.00	1.39
grow.v.02	2.39	2.20	2.57	2.16
address.v.01	2.39	2.78	2.17	2.47
object.v.01	2.17	2.49	1.69	2.93
mention.v.01	1.99	2.34	1.90	1.85
total	100.00	100.00	100.00	100.00

TABLE S25. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 0

	g.	p.	i.	h.
$\mu(min\,depth)$	1.42	1.56	1.42	1.31
$\sigma(min\,depth)$	1.48	1.59	1.49	1.36
$\mu(max\,depth)$	1.42	1.56	1.42	1.31
$\sigma(max\,depth)$	1.48	1.59	1.49	1.37
$\mu(holonyms)$	0.00	0.00	0.00	0.00
$\sigma(holonyms)$	0.00	0.00	0.00	0.00
$\mu(meronyms)$	0.00	0.00	0.00	0.00
$\sigma(meronyms)$	0.00	0.00	0.00	0.00
$\mu(domains)$	0.03	0.05	0.03	0.02
$\sigma(domains)$	0.17	0.21	0.17	0.14
$\mu(similar)$	0.00	0.00	0.00	0.00
$\sigma(similar)$	0.00	0.00	0.00	0.00
$\mu(verb\,groups)$	0.48	0.45	0.48	0.50
$\sigma(verb\,groups)$	0.63	0.63	0.62	0.64
$\mu(lemmas)$	3.15	3.13	3.14	3.18
$\sigma(lemmas)$	2.17	2.09	2.16	2.23
$\mu(entailments)$	0.03	0.02	0.02	0.03
$\sigma(entailments)$	0.17	0.16	0.16	0.19
$\mu(hyponyms)$	15.60	13.49	15.17	17.98
$\sigma(hyponyms)$	40.28	35.38	39.38	45.00
$\mu(hypernyms)$	0.69	0.73	0.69	0.66
$\sigma(hypernyms)$	0.46	0.45	0.46	0.48

TABLE S26. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 0

	g.	**p.**	**i.**	**h.**
besides.r.02	20.85	18.10	21.39	21.36
still.r.01	13.32	10.86	14.71	12.14
however.r.01	9.78	9.50	11.76	6.31
well.r.01	9.78	8.60	8.29	13.11
possibly.r.01	7.39	8.14	5.88	9.71
immediately.r.01	6.30	8.14	8.82	0.73
back.r.01	6.23	5.43	5.88	7.28
truly.r.01	5.94	5.43	5.61	6.80
already.r.01	5.94	9.50	5.21	5.34
even.r.01	5.79	9.50	5.08	5.10
right.r.01	4.34	0.90	4.14	6.55
presently.r.02	4.34	5.88	3.21	5.58
total	100.00	100.00	100.00	100.00

TABLE S27. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 0

	g.	**p.**	**i.**	**h.**
$\mu(min\,depth)$	0.00	0.00	0.00	0.00
$\sigma(min\,depth)$	0.00	0.00	0.00	0.00
$\mu(max\,depth)$	0.00	0.00	0.00	0.00
$\sigma(max\,depth)$	0.00	0.00	0.00	0.00
$\mu(holonyms)$	0.00	0.00	0.00	0.00
$\sigma(holonyms)$	0.00	0.00	0.00	0.00
$\mu(meronyms)$	0.00	0.00	0.00	0.00
$\sigma(meronyms)$	0.00	0.00	0.00	0.00
$\mu(domains)$	0.09	0.10	0.08	0.09
$\sigma(domains)$	0.28	0.30	0.27	0.29
$\mu(similar)$	0.00	0.00	0.00	0.00
$\sigma(similar)$	0.00	0.00	0.00	0.00
$\mu(verb\,groups)$	0.00	0.00	0.00	0.00
$\sigma(verb\,groups)$	0.00	0.00	0.00	0.00
$\mu(lemmas)$	3.25	3.23	3.34	3.11
$\sigma(lemmas)$	2.45	2.44	2.58	2.20
$\mu(entailments)$	0.00	0.00	0.00	0.00
$\sigma(entailments)$	0.00	0.00	0.00	0.00
$\mu(hyponyms)$	0.00	0.00	0.00	0.00
$\sigma(hyponyms)$	0.00	0.00	0.00	0.00
$\mu(hypernyms)$	0.00	0.00	0.00	0.00
$\sigma(hypernyms)$	0.00	0.00	0.00	0.00

TABLE S28. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 0

	g.	p.	i.	h.
NOUN	48.64	49.54	48.90	30.06
X	0.17	0.20	0.13	0.16
ADP	9.09	8.60	9.35	12.64
DET	6.06	5.97	5.93	9.48
VERB	16.44	16.11	16.43	21.99
ADJ	7.39	7.10	7.84	5.07
ADV	3.64	3.22	3.81	7.63
PRT	2.79	2.67	2.89	3.25
PRON	2.78	2.38	2.92	6.98
NUM	2.30	3.57	1.15	0.25
CONJ	0.70	0.63	0.65	2.50
PUNC	0.00	0.00	0.00	0.00
N	76.44	78.34	75.08	54.84
ADJ	8.96	8.06	9.91	10.60
VERB	0.92	0.68	0.97	6.90
ADV	13.69	12.93	14.05	27.67
POS	29.76	30.23	29.29	28.61
POS!	94.98	94.93	95.01	95.84

TABLE S29. Percentage of synsets with each of the POS tags used by Wordnet. The last lines give the percentage of words considered from all of the tokens (POS) and from the words with synset (POS!). The tokens not considered are punctuations, unrecognized words, words without synsets, stopwords and words for which Wordnet has no synset tagged with POS tags . Values for each Erdös sectors are in the columns **p.** for periphery, **i.** for intermediary, **h.** for hubs. TAG: 1

	g.	p.	i.	h.
entity.n.01	100.00	100.00	100.00	100.00
total	100.00	100.00	100.00	100.00
abstraction.n.06	85.20	86.06	84.81	61.48
physical_entity.n.01	14.80	13.94	15.19	38.52
total	100.00	100.00	100.00	100.00
measure.n.02	39.61	42.07	37.45	11.67
communication.n.02	21.07	20.28	22.25	11.54
attribute.n.02	12.10	12.64	11.43	13.88
psychological_feature.n.01	6.75	5.88	7.47	18.42
object.n.01	6.34	5.27	7.24	20.23
matter.n.03	4.76	4.86	4.54	9.08
relation.n.01	3.81	3.33	4.43	2.20
causal_agent.n.01	2.69	2.43	2.87	7.13
group.n.01	1.85	1.86	1.79	3.76
thing.n.12	0.75	1.14	0.26	1.82
process.n.06	0.27	0.25	0.28	0.26
total	100.00	100.00	100.00	100.00
definite_quantity.n.01	38.29	41.66	34.72	13.30
message.n.02	14.38	13.76	15.19	9.74
whole.n.02	6.35	5.02	7.57	27.55
shape.n.02	5.92	7.36	4.10	12.83
indication.n.01	4.84	4.83	4.87	4.28
cognition.n.01	4.71	4.09	5.31	12.83
substance.n.01	4.65	4.62	4.66	5.70
written_communication.n.01	4.64	4.27	5.12	2.85
fundamental_quantity.n.01	4.64	4.08	5.34	2.38
state.n.02	4.37	3.83	5.00	5.70
part.n.01	3.70	3.31	4.20	1.66
time_unit.n.01	3.50	3.18	3.91	1.19
total	100.00	100.00	100.00	100.00

TABLE S30. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 1

	g.	**p.**	**i.**	**h.**
$\mu(min\,depth)$	6.51	6.49	6.54	6.59
$\sigma(min\,depth)$	1.36	1.22	1.49	1.77
$\mu(max\,depth)$	6.77	6.73	6.80	6.99
$\sigma(max\,depth)$	1.57	1.45	1.70	2.02
$\mu(holonyms)$	0.13	0.13	0.14	0.15
$\sigma(holonyms)$	0.45	0.44	0.46	0.50
$\mu(meronyms)$	0.38	0.44	0.30	0.49
$\sigma(meronyms)$	1.94	2.18	1.60	2.16
$\mu(domains)$	0.02	0.03	0.02	0.06
$\sigma(domains)$	0.16	0.16	0.14	0.24
$\mu(similar)$	0.00	0.00	0.00	0.00
$\sigma(similar)$	0.00	0.00	0.00	0.00
$\mu(verb\,groups)$	0.00	0.00	0.00	0.00
$\sigma(verb\,groups)$	0.00	0.00	0.00	0.00
$\mu(lemmas)$	3.52	3.65	3.39	2.59
$\sigma(lemmas)$	3.09	3.22	2.94	2.63
$\mu(entailments)$	0.00	0.00	0.00	0.00
$\sigma(entailments)$	0.00	0.00	0.00	0.00
$\mu(hyponyms)$	4.09	3.69	4.42	9.08
$\sigma(hyponyms)$	11.51	10.31	11.93	29.99
$\mu(hypernyms)$	1.06	1.06	1.06	1.08
$\sigma(hypernyms)$	0.24	0.24	0.24	0.32

TABLE S31. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 1

	g.	**p.**	**i.**	**h.**
relevant.a.01	29.72	30.23	29.43	4.00
public.a.01	29.70	30.23	29.43	0.00
capable.s.02	29.69	30.20	29.43	0.00
common.a.01	4.85	4.02	5.67	0.00
new.a.01	1.45	2.09	0.70	20.00
disused.s.01	1.13	0.46	1.78	0.00
chief.s.01	0.80	0.62	0.92	8.00
net.a.01	0.77	0.56	0.98	0.00
certain.a.02	0.50	0.42	0.49	12.00
like.a.01	0.47	0.33	0.25	48.00
small.a.01	0.47	0.36	0.55	4.00
correct.a.01	0.44	0.49	0.37	4.00
total	100.00	100.00	100.00	100.00

TABLE S32. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 1

	g.	**p.**	**i.**	**h.**
$\mu(min\,depth)$	0.00	0.00	0.00	0.00
$\sigma(min\,depth)$	0.00	0.00	0.00	0.00
$\mu(max\,depth)$	0.00	0.00	0.00	0.00
$\sigma(max\,depth)$	0.00	0.00	0.00	0.00
$\mu(holonyms)$	0.00	0.00	0.00	0.00
$\sigma(holonyms)$	0.00	0.00	0.00	0.00
$\mu(meronyms)$	0.00	0.00	0.00	0.00
$\sigma(meronyms)$	0.00	0.00	0.00	0.00
$\mu(domains)$	0.01	0.01	0.01	0.07
$\sigma(domains)$	0.10	0.08	0.11	0.25
$\mu(similar)$	3.79	3.88	3.66	4.93
$\sigma(similar)$	4.04	3.78	4.21	5.07
$\mu(verb\,groups)$	0.00	0.00	0.00	0.00
$\sigma(verb\,groups)$	0.00	0.00	0.00	0.00
$\mu(lemmas)$	1.69	1.67	1.71	1.77
$\sigma(lemmas)$	1.08	1.07	1.09	1.19
$\mu(entailments)$	0.00	0.00	0.00	0.00
$\sigma(entailments)$	0.00	0.00	0.00	0.00
$\mu(hyponyms)$	0.00	0.00	0.00	0.00
$\sigma(hyponyms)$	0.00	0.00	0.00	0.00
$\mu(hypernyms)$	0.00	0.00	0.00	0.00
$\sigma(hypernyms)$	0.00	0.00	0.00	0.00

TABLE S33. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 1

	g.	p.	i.	h.
act.v.01	23.24	22.01	24.50	24.16
express.v.02	21.22	21.26	21.70	8.43
satisfy.v.02	20.08	19.57	21.39	0.56
change.v.02	6.09	6.87	5.27	6.18
be.v.01	4.74	5.81	3.36	11.24
include.v.01	4.65	6.32	3.07	0.00
move.v.02	4.19	3.16	4.96	12.36
change.v.01	3.66	3.67	3.51	7.30
join.v.01	3.65	3.31	4.11	1.12
use.v.01	3.41	3.10	3.18	17.42
make.v.03	2.84	2.19	3.20	11.24
sit.v.01	2.22	2.74	1.76	0.00
total	100.00	100.00	100.00	100.00
state.v.01	26.01	26.13	26.27	13.16
perpetrate.v.01	25.00	24.29	26.24	8.77
please.v.01	24.63	24.09	25.92	0.88
change_magnitude.v.01	5.17	5.83	4.47	5.26
unite.v.01	4.40	4.04	4.85	1.75
rest.v.01	4.10	5.73	2.37	5.26
put.v.01	2.97	2.75	2.86	14.04
interact.v.01	2.36	1.97	2.29	17.54
modify.v.01	1.56	1.92	1.21	0.88
evaluate.v.02	1.47	0.99	1.40	20.18
keep.v.03	1.22	1.06	1.13	9.65
better.v.02	1.12	1.19	1.00	2.63
total	100.00	100.00	100.00	100.00
note.v.01	53.35	52.96	55.47	3.45
increase.v.01	10.73	11.73	9.65	10.34
marry.v.01	9.23	8.27	10.47	3.45
stand.v.01	8.62	11.79	5.12	10.34
communicate.v.02	4.41	3.63	4.48	27.59
update.v.01	3.01	3.73	2.27	1.72
install.v.01	2.74	2.35	2.85	12.07
convey.v.03	2.08	0.32	4.07	0.00
repair.v.01	1.83	1.87	1.69	5.17
supply.v.01	1.40	1.23	1.45	5.17
save.v.02	1.34	1.07	1.10	17.24
name.v.01	1.26	1.07	1.40	3.45
total	100.00	100.00	100.00	100.00
add.v.01	47.84	58.06	41.46	15.38
inform.v.01	12.98	12.90	13.57	7.69
communicate.v.01	9.27	1.34	17.59	0.00
record.v.01	6.06	5.38	4.77	25.64
roll_up.v.02	4.82	4.84	5.28	0.00
interrupt.v.01	4.33	5.65	3.52	0.00
replace.v.01	3.46	1.34	5.28	5.13
upgrade.v.01	3.09	3.49	2.76	2.56
mention.v.01	2.22	1.88	1.01	17.95
permit.v.01	2.22	1.61	1.76	12.82
propose.v.01	1.98	0.81	2.01	12.82
map.v.01	1.73	2.69	1.01	0.00
total	100.00	100.00	100.00	100.00

TABLE S34. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 1

	g.	p.	i.	h.
$\mu(min\,depth)$	1.36	1.35	1.38	1.42
$\sigma(min\,depth)$	1.05	1.00	1.04	1.63
$\mu(max\,depth)$	1.37	1.35	1.38	1.42
$\sigma(max\,depth)$	1.05	1.01	1.04	1.63
$\mu(holonyms)$	0.00	0.00	0.00	0.00
$\sigma(holonyms)$	0.00	0.00	0.00	0.00
$\mu(meronyms)$	0.00	0.00	0.00	0.00
$\sigma(meronyms)$	0.00	0.00	0.00	0.00
$\mu(domains)$	0.01	0.01	0.01	0.03
$\sigma(domains)$	0.10	0.10	0.09	0.18
$\mu(similar)$	0.00	0.00	0.00	0.00
$\sigma(similar)$	0.00	0.00	0.00	0.00
$\mu(verb\,groups)$	0.44	0.44	0.44	0.45
$\sigma(verb\,groups)$	0.57	0.58	0.56	0.60
$\mu(lemmas)$	3.11	3.02	3.18	3.37
$\sigma(lemmas)$	1.69	1.63	1.73	1.93
$\mu(entailments)$	0.09	0.12	0.06	0.05
$\sigma(entailments)$	0.29	0.32	0.24	0.23
$\mu(hyponyms)$	8.98	8.63	8.77	17.32
$\sigma(hyponyms)$	26.41	26.39	25.67	34.38
$\mu(hypernyms)$	0.82	0.81	0.83	0.64
$\sigma(hypernyms)$	0.39	0.39	0.37	0.48

TABLE S35. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 1

	g.	**p.**	**i.**	**h.**
alternatively.r.01	20.18	18.18	24.71	0.00
besides.r.02	15.96	21.21	12.64	11.54
back.r.01	9.04	7.58	9.77	11.54
actually.r.01	7.83	7.58	5.75	23.08
even.r.01	7.53	3.79	9.77	11.54
correctly.r.01	6.33	8.33	5.75	0.00
yet.r.01	6.02	7.58	4.02	11.54
well.r.01	6.02	3.79	6.90	11.54
rather.r.01	5.42	1.52	7.47	11.54
properly.r.01	5.42	8.33	3.45	3.85
still.r.01	5.12	6.06	5.17	0.00
always.r.01	5.12	6.06	4.60	3.85
total	100.00	100.00	100.00	100.00

TABLE S36. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 1

	g.	**p.**	**i.**	**h.**
$\mu(min\,depth)$	0.00	0.00	0.00	0.00
$\sigma(min\,depth)$	0.00	0.00	0.00	0.00
$\mu(max\,depth)$	0.00	0.00	0.00	0.00
$\sigma(max\,depth)$	0.00	0.00	0.00	0.00
$\mu(holonyms)$	0.00	0.00	0.00	0.00
$\sigma(holonyms)$	0.00	0.00	0.00	0.00
$\mu(meronyms)$	0.00	0.00	0.00	0.00
$\sigma(meronyms)$	0.00	0.00	0.00	0.00
$\mu(domains)$	0.07	0.07	0.06	0.12
$\sigma(domains)$	0.26	0.25	0.24	0.33
$\mu(similar)$	0.00	0.00	0.00	0.00
$\sigma(similar)$	0.00	0.00	0.00	0.00
$\mu(verb\,groups)$	0.00	0.00	0.00	0.00
$\sigma(verb\,groups)$	0.00	0.00	0.00	0.00
$\mu(lemmas)$	2.85	3.00	2.70	3.01
$\sigma(lemmas)$	1.87	1.89	1.71	2.33
$\mu(entailments)$	0.00	0.00	0.00	0.00
$\sigma(entailments)$	0.00	0.00	0.00	0.00
$\mu(hyponyms)$	0.00	0.00	0.00	0.00
$\sigma(hyponyms)$	0.00	0.00	0.00	0.00
$\mu(hypernyms)$	0.00	0.00	0.00	0.00
$\sigma(hypernyms)$	0.00	0.00	0.00	0.00

TABLE S37. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 1

	g.	p.	i.	h.
NOUN	28.30	30.07	29.64	25.52
X	0.11	0.07	0.15	0.07
ADP	11.50	11.76	11.12	11.90
DET	11.14	10.43	10.70	12.13
VERB	23.10	22.54	22.80	23.82
ADJ	5.50	5.50	5.52	5.47
ADV	6.61	5.99	6.37	7.25
PRT	3.68	3.61	3.71	3.68
PRON	6.45	6.15	6.43	6.64
NUM	0.69	0.85	0.74	0.53
CONJ	2.91	3.04	2.82	2.98
PUNC	0.00	0.00	0.00	0.00
N	57.12	58.45	58.39	54.41
ADJ	10.13	9.87	10.02	10.45
VERB	5.39	4.63	4.97	6.48
ADV	27.35	27.05	26.62	28.66
POS	34.75	34.84	34.71	34.77
POS!	96.36	95.60	96.68	96.29

TABLE S38. Percentage of synsets with each of the POS tags used by Wordnet. The last lines give the percentage of words considered from all of the tokens (POS) and from the words with synset (POS!). The tokens not considered are punctuations, unrecognized words, words without synsets, stopwords and words for which Wordnet has no synset tagged with POS tags . Values for each Erdös sectors are in the columns **p.** for periphery, **i.** for intermediary, **h.** for hubs. TAG: 2

	g.	p.	i.	h.
entity.n.01	100.00	100.00	100.00	100.00
total	100.00	100.00	100.00	100.00
abstraction.n.06	69.43	68.96	68.61	71.07
physical_entity.n.01	30.57	31.04	31.39	28.93
total	100.00	100.00	100.00	100.00
psychological_feature.n.01	19.73	18.58	18.80	21.96
object.n.01	19.16	19.52	19.42	18.50
communication.n.02	14.55	13.93	14.78	14.56
measure.n.02	14.13	15.60	14.54	12.56
attribute.n.02	10.93	11.41	10.42	11.48
causal_agent.n.01	5.78	5.56	5.92	5.67
group.n.01	5.31	4.54	5.54	5.39
relation.n.01	4.75	4.86	4.50	5.09
matter.n.03	4.41	4.77	4.81	3.53
thing.n.12	0.65	0.57	0.75	0.52
process.n.06	0.58	0.62	0.49	0.71
set.n.02	0.02	0.04	0.01	0.04
total	100.00	100.00	100.00	100.00
whole.n.02	17.82	18.23	17.76	17.67
definite_quantity.n.01	13.84	15.79	14.20	12.02
event.n.01	12.88	12.92	12.29	13.86
cognition.n.01	11.05	9.36	10.52	12.96
state.n.02	10.10	10.68	9.90	10.07
message.n.02	7.79	7.11	8.43	7.13
person.n.01	6.83	6.50	6.90	6.91
written_communication.n.01	5.49	5.03	5.29	6.10
substance.n.01	4.50	5.29	4.70	3.68
collection.n.01	3.80	3.00	4.16	3.69
location.n.01	3.69	3.72	3.75	3.57
indication.n.01	2.22	2.37	2.10	2.33
total	100.00	100.00	100.00	100.00

TABLE S39. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 2

	g.	**p.**	**i.**	**h.**
$\mu(min\,depth)$	6.77	6.88	6.78	6.68
$\sigma(min\,depth)$	2.09	2.10	2.11	2.06
$\mu(max\,depth)$	7.03	7.13	7.05	6.93
$\sigma(max\,depth)$	2.19	2.19	2.19	2.17
$\mu(holonyms)$	0.11	0.12	0.11	0.10
$\sigma(holonyms)$	0.50	0.46	0.41	0.63
$\mu(meronyms)$	0.40	0.45	0.43	0.33
$\sigma(meronyms)$	2.36	2.70	2.25	2.34
$\mu(domains)$	0.06	0.06	0.06	0.06
$\sigma(domains)$	0.25	0.24	0.25	0.25
$\mu(similar)$	0.00	0.00	0.00	0.00
$\sigma(similar)$	0.00	0.00	0.00	0.00
$\mu(verb\,groups)$	0.00	0.00	0.00	0.00
$\sigma(verb\,groups)$	0.00	0.00	0.00	0.00
$\mu(lemmas)$	2.94	3.05	2.98	2.82
$\sigma(lemmas)$	2.54	2.67	2.53	2.48
$\mu(entailments)$	0.00	0.00	0.00	0.00
$\sigma(entailments)$	0.00	0.00	0.00	0.00
$\mu(hyponyms)$	8.20	8.40	8.09	8.27
$\sigma(hyponyms)$	27.98	28.34	27.64	28.32
$\mu(hypernyms)$	1.03	1.03	1.03	1.03
$\sigma(hypernyms)$	0.20	0.19	0.21	0.21

TABLE S40. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 2

	g.	**p.**	**i.**	**h.**
like.a.01	17.40	20.05	16.02	18.38
new.a.01	13.22	12.71	11.00	17.34
net.a.01	12.30	13.20	14.15	8.60
public.a.01	10.87	7.58	15.04	5.35
certain.a.02	6.65	7.33	5.16	8.87
good.a.01	6.61	6.36	6.74	6.52
small.a.01	6.17	4.89	6.06	7.04
simple.a.01	5.73	5.38	5.99	5.48
able.a.01	5.73	7.82	5.54	4.95
possible.a.01	5.29	5.38	4.94	5.87
different.a.01	5.25	4.16	3.74	8.47
inactive.s.10	4.78	5.13	5.61	3.13
total	100.00	100.00	100.00	100.00

TABLE S41. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 2

	g.	**p.**	**i.**	**h.**
$\mu(min\,depth)$	0.00	0.00	0.00	0.00
$\sigma(min\,depth)$	0.00	0.00	0.00	0.00
$\mu(max\,depth)$	0.00	0.00	0.00	0.00
$\sigma(max\,depth)$	0.00	0.00	0.00	0.00
$\mu(holonyms)$	0.00	0.00	0.00	0.00
$\sigma(holonyms)$	0.00	0.00	0.00	0.00
$\mu(meronyms)$	0.00	0.00	0.00	0.00
$\sigma(meronyms)$	0.00	0.00	0.00	0.00
$\mu(domains)$	0.06	0.05	0.06	0.05
$\sigma(domains)$	0.23	0.22	0.23	0.23
$\mu(similar)$	5.74	5.66	5.45	6.21
$\sigma(similar)$	6.75	7.02	6.36	7.14
$\mu(verb\,groups)$	0.00	0.00	0.00	0.00
$\sigma(verb\,groups)$	0.00	0.00	0.00	0.00
$\mu(lemmas)$	1.72	1.78	1.73	1.68
$\sigma(lemmas)$	1.38	1.56	1.39	1.27
$\mu(entailments)$	0.00	0.00	0.00	0.00
$\sigma(entailments)$	0.00	0.00	0.00	0.00
$\mu(hyponyms)$	0.00	0.00	0.00	0.00
$\sigma(hyponyms)$	0.00	0.00	0.00	0.00
$\mu(hypernyms)$	0.00	0.00	0.00	0.00
$\sigma(hypernyms)$	0.00	0.00	0.00	0.00

TABLE S42. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 2

	g.	p.	i.	h.
act.v.01	13.10	11.10	13.70	13.32
move.v.02	10.98	13.40	11.37	9.10
use.v.01	10.94	9.47	11.12	11.46
travel.v.01	10.60	12.36	10.16	10.28
make.v.03	9.47	9.80	8.67	10.47
change.v.01	8.88	8.36	7.53	11.14
think.v.03	8.48	8.50	8.35	8.65
make.v.01	8.13	7.35	9.50	6.54
get.v.01	5.72	6.63	5.56	5.46
change.v.02	5.36	4.03	5.50	5.90
be.v.01	4.23	4.32	4.41	3.91
work.v.01	4.11	4.68	4.13	3.77
total	100.00	100.00	100.00	100.00
interact.v.01	15.22	12.54	17.26	13.76
evaluate.v.02	14.37	13.38	15.03	13.96
put.v.01	11.68	13.84	12.06	10.00
state.v.01	8.26	8.33	7.51	9.27
construct.v.01	8.20	9.40	6.51	9.96
keep.v.03	7.47	7.34	8.37	6.27
travel_rapidly.v.01	7.29	10.86	5.91	7.37
try.v.01	6.48	7.95	6.46	5.75
change_magnitude.v.01	6.32	4.66	6.63	6.76
attach.v.01	5.01	3.82	5.03	5.63
send.v.01	4.93	3.82	5.69	4.45
better.v.02	4.75	4.05	3.54	6.84
total	100.00	100.00	100.00	100.00
communicate.v.02	22.26	16.84	25.08	21.06
run.v.01	11.45	16.61	9.06	12.17
think.v.01	10.25	8.65	10.24	11.16
increase.v.01	9.71	7.02	9.93	10.90
install.v.01	9.56	13.68	10.15	6.28
store.v.01	7.44	7.84	8.45	5.68
repair.v.01	5.89	4.68	4.55	8.62
name.v.01	5.57	6.67	5.25	5.41
write.v.01	5.11	5.50	4.95	5.15
expect.v.01	4.66	3.74	4.68	5.15
save.v.02	4.25	3.39	4.33	4.61
declare.v.01	3.86	5.38	3.33	3.81
total	100.00	100.00	100.00	100.00
inform.v.01	29.69	28.65	31.19	27.66
add.v.01	17.83	14.62	17.33	20.19
roll_up.v.02	13.48	19.30	14.19	9.54
record.v.01	8.65	8.48	8.17	9.54
overlap.v.01	4.87	5.56	3.30	7.19
propose.v.01	4.44	4.09	3.71	5.81
assume.v.01	4.13	2.92	4.13	4.70
see.v.05	3.95	4.97	4.21	3.04
talk.v.02	3.34	3.22	2.97	4.01
talk.v.01	3.21	0.58	4.62	2.07
address.v.01	3.21	4.09	2.89	3.32
believe.v.01	3.21	3.51	3.30	2.90
total	100.00	100.00	100.00	100.00

TABLE S43. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 2

	g.	p.	i.	h.
$\mu(min\,depth)$	1.26	1.26	1.26	1.26
$\sigma(min\,depth)$	1.46	1.43	1.47	1.47
$\mu(max\,depth)$	1.26	1.27	1.26	1.26
$\sigma(max\,depth)$	1.47	1.43	1.47	1.47
$\mu(holonyms)$	0.00	0.00	0.00	0.00
$\sigma(holonyms)$	0.00	0.00	0.00	0.00
$\mu(meronyms)$	0.00	0.00	0.00	0.00
$\sigma(meronyms)$	0.00	0.00	0.00	0.00
$\mu(domains)$	0.02	0.02	0.02	0.02
$\sigma(domains)$	0.14	0.14	0.14	0.14
$\mu(similar)$	0.00	0.00	0.00	0.00
$\sigma(similar)$	0.00	0.00	0.00	0.00
$\mu(verb\,groups)$	0.49	0.51	0.49	0.47
$\sigma(verb\,groups)$	0.60	0.61	0.60	0.59
$\mu(lemmas)$	3.22	3.21	3.21	3.24
$\sigma(lemmas)$	2.15	2.13	2.15	2.15
$\mu(entailments)$	0.04	0.04	0.04	0.04
$\sigma(entailments)$	0.20	0.21	0.20	0.20
$\mu(hyponyms)$	15.24	14.29	15.04	16.04
$\sigma(hyponyms)$	37.54	32.73	37.57	39.78
$\mu(hypernyms)$	0.63	0.64	0.62	0.63
$\sigma(hypernyms)$	0.49	0.49	0.49	0.49

TABLE S44. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 2

	g.	**p.**	**i.**	**h.**
besides.r.02	21.85	23.87	19.86	23.29
well.r.01	9.97	7.74	10.05	10.76
even.r.01	8.01	10.32	7.00	8.23
still.r.01	7.50	7.42	8.92	5.95
possibly.r.01	7.40	7.10	9.26	5.44
truly.r.01	7.40	6.77	8.35	6.58
already.r.01	7.15	8.39	8.01	5.70
however.r.01	6.65	8.71	6.32	6.20
actually.r.01	6.50	2.58	5.30	9.37
yet.r.01	6.24	5.81	6.55	6.08
probably.r.01	5.79	6.13	5.64	5.82
alternatively.r.01	5.54	5.16	4.74	6.58
total	100.00	100.00	100.00	100.00

TABLE S45. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 2

	g.	**p.**	**i.**	**h.**
$\mu(min\,depth)$	0.00	0.00	0.00	0.00
$\sigma(min\,depth)$	0.00	0.00	0.00	0.00
$\mu(max\,depth)$	0.00	0.00	0.00	0.00
$\sigma(max\,depth)$	0.00	0.00	0.00	0.00
$\mu(holonyms)$	0.00	0.00	0.00	0.00
$\sigma(holonyms)$	0.00	0.00	0.00	0.00
$\mu(meronyms)$	0.00	0.00	0.00	0.00
$\sigma(meronyms)$	0.00	0.00	0.00	0.00
$\mu(domains)$	0.11	0.09	0.10	0.14
$\sigma(domains)$	0.33	0.29	0.30	0.38
$\mu(similar)$	0.00	0.00	0.00	0.00
$\sigma(similar)$	0.00	0.00	0.00	0.00
$\mu(verb\,groups)$	0.00	0.00	0.00	0.00
$\sigma(verb\,groups)$	0.00	0.00	0.00	0.00
$\mu(lemmas)$	3.14	3.13	3.07	3.24
$\sigma(lemmas)$	2.17	2.19	2.13	2.21
$\mu(entailments)$	0.00	0.00	0.00	0.00
$\sigma(entailments)$	0.00	0.00	0.00	0.00
$\mu(hyponyms)$	0.00	0.00	0.00	0.00
$\sigma(hyponyms)$	0.00	0.00	0.00	0.00
$\mu(hypernyms)$	0.00	0.00	0.00	0.00
$\sigma(hypernyms)$	0.00	0.00	0.00	0.00

TABLE S46. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 2

	g.	p.	i.	h.
NOUN	40.46	45.66	39.01	38.54
X	0.25	0.16	0.10	0.39
ADP	11.28	9.51	11.83	11.90
DET	10.00	8.30	10.33	10.72
VERB	17.13	15.59	17.47	17.75
ADJ	5.39	5.05	5.73	5.37
ADV	5.94	4.51	6.05	6.63
PRT	1.97	1.83	1.89	2.08
PRON	4.09	3.86	4.19	4.15
NUM	1.88	4.12	1.54	0.88
CONJ	1.61	1.41	1.87	1.57
PUNC	0.00	0.00	0.00	0.00
N	72.83	76.97	71.74	70.81
ADJ	8.20	6.69	8.82	8.81
VERB	3.92	2.38	4.05	4.85
ADV	15.05	13.96	15.40	15.53
POS	36.23	34.28	36.40	37.52
POS!	95.24	94.09	96.18	95.41

TABLE S47. Percentage of synsets with each of the POS tags used by Wordnet. The last lines give the percentage of words considered from all of the tokens (POS) and from the words with synset (POS!). The tokens not considered are punctuations, unrecognized words, words without synsets, stopwords and words for which Wordnet has no synset tagged with POS tags . Values for each Erdös sectors are in the columns **p.** for periphery, **i.** for intermediary, **h.** for hubs. TAG: 3

	g.	p.	i.	h.
entity.n.01	100.00	100.00	100.00	100.00
total	100.00	100.00	100.00	100.00
abstraction.n.06	74.79	78.04	75.14	72.28
physical_entity.n.01	25.21	21.96	24.86	27.72
total	100.00	100.00	100.00	100.00
measure.n.02	33.62	41.95	32.46	28.47
object.n.01	19.84	16.05	19.79	22.54
communication.n.02	14.98	13.52	15.12	15.91
psychological_feature.n.01	10.22	9.27	11.12	10.33
relation.n.01	7.09	4.32	7.67	8.67
attribute.n.02	5.31	4.70	5.36	5.72
group.n.01	3.57	4.27	3.40	3.18
causal_agent.n.01	2.59	2.69	2.78	2.41
matter.n.03	1.95	2.21	1.47	2.08
process.n.06	0.42	0.45	0.46	0.37
thing.n.12	0.41	0.57	0.37	0.33
set.n.02	0.00	0.00	0.00	0.01
total	100.00	100.00	100.00	100.00
definite_quantity.n.01	22.16	34.99	21.05	13.69
whole.n.02	18.05	15.34	17.99	20.02
fundamental_quantity.n.01	15.21	13.23	14.80	16.89
message.n.02	11.64	7.84	11.86	14.21
event.n.01	7.94	6.55	8.50	8.59
possession.n.02	4.27	2.39	4.54	5.45
cognition.n.01	4.25	4.45	4.73	3.79
state.n.02	4.16	3.52	4.06	4.68
location.n.01	3.54	2.48	3.39	4.39
written_communication.n.01	3.15	4.46	3.11	2.24
person.n.01	3.07	3.18	3.25	2.88
part.n.01	2.57	1.57	2.73	3.18
total	100.00	100.00	100.00	100.00

TABLE S48. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 3

	g.	**p.**	**i.**	**h.**
$\mu(min\,depth)$	6.98	7.05	6.95	6.95
$\sigma(min\,depth)$	2.01	1.93	2.02	2.06
$\mu(max\,depth)$	7.10	7.17	7.07	7.05
$\sigma(max\,depth)$	2.06	1.97	2.06	2.12
$\mu(holonyms)$	0.10	0.12	0.09	0.10
$\sigma(holonyms)$	0.61	0.63	0.50	0.66
$\mu(meronyms)$	0.26	0.25	0.14	0.35
$\sigma(meronyms)$	3.01	1.81	1.48	4.17
$\mu(domains)$	0.06	0.06	0.05	0.07
$\sigma(domains)$	0.28	0.24	0.23	0.33
$\mu(similar)$	0.00	0.00	0.00	0.00
$\sigma(similar)$	0.00	0.00	0.00	0.00
$\mu(verb\,groups)$	0.00	0.00	0.00	0.00
$\sigma(verb\,groups)$	0.00	0.00	0.00	0.00
$\mu(lemmas)$	3.13	3.73	3.11	2.71
$\sigma(lemmas)$	3.08	3.85	3.10	2.29
$\mu(entailments)$	0.00	0.00	0.00	0.00
$\sigma(entailments)$	0.00	0.00	0.00	0.00
$\mu(hyponyms)$	4.32	3.71	4.04	4.94
$\sigma(hyponyms)$	16.67	14.85	15.07	18.70
$\mu(hypernyms)$	1.01	1.02	1.02	1.01
$\sigma(hypernyms)$	0.12	0.14	0.13	0.10

TABLE S49. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 3

	g.	**p.**	**i.**	**h.**
new.a.01	35.36	29.21	34.99	37.86
available.a.01	33.02	28.78	33.43	34.38
like.a.01	6.23	5.19	6.09	6.69
near.a.01	4.32	10.16	4.38	2.10
local.a.01	4.17	8.89	2.53	3.28
current.a.01	3.22	1.38	3.34	3.84
certain.a.02	2.41	1.06	1.56	3.36
free.a.01	2.39	4.87	2.23	1.54
first.a.01	2.30	3.07	2.75	1.78
different.a.01	2.26	2.65	2.60	1.94
sparse.s.01	2.20	2.75	3.49	1.31
variable.a.01	2.14	2.01	2.60	1.94
total	100.00	100.00	100.00	100.00

TABLE S50. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 3

	g.	**p.**	**i.**	**h.**
$\mu(min\,depth)$	0.00	0.00	0.00	0.00
$\sigma(min\,depth)$	0.00	0.00	0.00	0.00
$\mu(max\,depth)$	0.00	0.00	0.00	0.00
$\sigma(max\,depth)$	0.00	0.00	0.00	0.00
$\mu(holonyms)$	0.00	0.00	0.00	0.00
$\sigma(holonyms)$	0.00	0.00	0.00	0.00
$\mu(meronyms)$	0.00	0.00	0.00	0.00
$\sigma(meronyms)$	0.00	0.00	0.00	0.00
$\mu(domains)$	0.04	0.04	0.04	0.04
$\sigma(domains)$	0.19	0.19	0.19	0.20
$\mu(similar)$	8.38	7.15	8.30	9.04
$\sigma(similar)$	7.22	7.71	7.06	6.98
$\mu(verb\,groups)$	0.00	0.00	0.00	0.00
$\sigma(verb\,groups)$	0.00	0.00	0.00	0.00
$\mu(lemmas)$	1.56	1.79	1.53	1.46
$\sigma(lemmas)$	1.31	1.63	1.19	1.18
$\mu(entailments)$	0.00	0.00	0.00	0.00
$\sigma(entailments)$	0.00	0.00	0.00	0.00
$\mu(hyponyms)$	0.00	0.00	0.00	0.00
$\sigma(hyponyms)$	0.00	0.00	0.00	0.00
$\mu(hypernyms)$	0.00	0.00	0.00	0.00
$\sigma(hypernyms)$	0.00	0.00	0.00	0.00

TABLE S51. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 3

	g.	p.	i.	h.
think.v.03	15.81	10.55	15.37	18.84
act.v.01	13.33	16.07	14.17	11.39
change.v.01	12.79	16.47	12.88	10.80
travel.v.01	10.57	12.22	9.51	10.32
make.v.03	8.59	8.89	9.77	7.73
use.v.01	8.57	6.24	8.41	9.90
move.v.02	6.66	8.12	6.80	5.80
be.v.01	5.35	5.40	4.66	5.72
make.v.01	4.90	4.57	5.18	4.92
get.v.01	4.68	4.17	3.88	5.42
perceive.v.01	4.39	3.81	4.37	4.71
change.v.02	4.36	3.48	4.98	4.46
total	100.00	100.00	100.00	100.00
evaluate.v.02	20.77	14.79	21.89	23.42
interact.v.01	15.45	18.65	19.00	11.76
keep.v.03	7.99	10.61	8.82	6.09
try.v.01	6.96	8.17	5.67	7.01
see.v.01	6.78	5.21	6.95	7.54
put.v.01	6.76	9.45	6.18	5.60
please.v.01	6.74	13.18	5.80	3.73
state.v.01	6.32	5.59	6.31	6.73
follow.v.01	6.14	5.21	4.76	7.40
better.v.02	5.89	2.77	6.05	7.50
look.v.02	5.23	4.69	4.25	6.06
reason.v.03	4.98	1.67	4.31	7.15
total	100.00	100.00	100.00	100.00
communicate.v.02	23.41	28.06	25.64	19.04
think.v.01	16.55	6.77	13.79	24.46
repair.v.01	8.72	4.18	8.27	11.83
save.v.02	8.32	11.14	8.36	6.53
name.v.01	6.54	7.46	6.25	6.16
run.v.01	6.35	10.35	6.07	4.07
install.v.01	5.36	8.76	4.23	4.00
write.v.01	5.33	4.78	5.51	5.55
salvage.v.01	5.27	4.98	6.16	4.87
measure.v.04	4.74	7.56	4.78	2.96
increase.v.01	4.71	2.69	5.24	5.61
expect.v.01	4.71	3.28	5.70	4.93
total	100.00	100.00	100.00	100.00
inform.v.01	34.26	36.71	39.93	28.08
record.v.01	15.41	17.72	15.53	13.47
add.v.01	7.63	2.69	9.04	10.55
roll_up.v.02	7.28	7.91	7.00	6.99
classify.v.01	7.08	0.16	0.51	17.53
configure.v.01	6.83	14.72	5.97	1.14
propose.v.01	4.89	1.58	4.10	8.13
see.v.05	3.84	3.32	4.27	3.94
overlap.v.01	3.74	5.70	5.12	1.14
replace.v.01	3.44	3.80	4.27	2.54
write.v.07	3.04	3.64	3.41	2.29
talk.v.02	2.54	2.06	0.85	4.19
total	100.00	100.00	100.00	100.00

TABLE S52. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 3

	g.	p.	i.	h.
$\mu(min\,depth)$	1.41	1.48	1.46	1.35
$\sigma(min\,depth)$	1.41	1.42	1.46	1.37
$\mu(max\,depth)$	1.42	1.50	1.46	1.35
$\sigma(max\,depth)$	1.42	1.44	1.47	1.37
$\mu(holonyms)$	0.00	0.00	0.00	0.00
$\sigma(holonyms)$	0.00	0.00	0.00	0.00
$\mu(meronyms)$	0.00	0.00	0.00	0.00
$\sigma(meronyms)$	0.00	0.00	0.00	0.00
$\mu(domains)$	0.03	0.04	0.04	0.03
$\sigma(domains)$	0.18	0.19	0.19	0.16
$\mu(similar)$	0.00	0.00	0.00	0.00
$\sigma(similar)$	0.00	0.00	0.00	0.00
$\mu(verb\,groups)$	0.45	0.46	0.47	0.44
$\sigma(verb\,groups)$	0.62	0.62	0.62	0.62
$\mu(lemmas)$	3.18	2.95	3.17	3.33
$\sigma(lemmas)$	2.15	2.06	2.17	2.18
$\mu(entailments)$	0.05	0.04	0.04	0.06
$\sigma(entailments)$	0.22	0.20	0.20	0.23
$\mu(hyponyms)$	14.39	11.45	15.42	15.47
$\sigma(hyponyms)$	42.12	31.44	46.49	44.58
$\mu(hypernyms)$	0.71	0.73	0.71	0.70
$\sigma(hypernyms)$	0.46	0.45	0.46	0.46

TABLE S53. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 3

	g.	**p.**	**i.**	**h.**
freely.r.01	50.95	48.06	52.37	51.14
besides.r.02	11.83	10.47	11.91	12.21
alternatively.r.01	6.00	5.81	6.32	5.90
possibly.r.01	5.86	4.26	5.71	6.44
even.r.01	4.27	8.53	4.62	2.77
truly.r.01	3.30	2.13	2.79	3.91
still.r.01	3.23	4.07	3.16	3.01
first.r.01	3.10	4.26	2.43	3.07
probably.r.01	3.10	1.55	2.31	3.97
however.r.01	2.97	5.23	2.92	2.29
well.r.01	2.83	4.65	3.52	1.93
already.r.01	2.57	0.97	1.94	3.37
total	100.00	100.00	100.00	100.00

TABLE S54. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 3

	g.	**p.**	**i.**	**h.**
$\mu(min\,depth)$	0.00	0.00	0.00	0.00
$\sigma(min\,depth)$	0.00	0.00	0.00	0.00
$\mu(max\,depth)$	0.00	0.00	0.00	0.00
$\sigma(max\,depth)$	0.00	0.00	0.00	0.00
$\mu(holonyms)$	0.00	0.00	0.00	0.00
$\sigma(holonyms)$	0.00	0.00	0.00	0.00
$\mu(meronyms)$	0.00	0.00	0.00	0.00
$\sigma(meronyms)$	0.00	0.00	0.00	0.00
$\mu(domains)$	0.04	0.05	0.05	0.04
$\sigma(domains)$	0.21	0.21	0.22	0.19
$\mu(similar)$	0.00	0.00	0.00	0.00
$\sigma(similar)$	0.00	0.00	0.00	0.00
$\mu(verb\,groups)$	0.00	0.00	0.00	0.00
$\sigma(verb\,groups)$	0.00	0.00	0.00	0.00
$\mu(lemmas)$	2.62	2.71	2.58	2.62
$\sigma(lemmas)$	2.06	2.24	2.01	2.02
$\mu(entailments)$	0.00	0.00	0.00	0.00
$\sigma(entailments)$	0.00	0.00	0.00	0.00
$\mu(hyponyms)$	0.00	0.00	0.00	0.00
$\sigma(hyponyms)$	0.00	0.00	0.00	0.00
$\mu(hypernyms)$	0.00	0.00	0.00	0.00
$\sigma(hypernyms)$	0.00	0.00	0.00	0.00

TABLE S55. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 3

	g.	p.	i.	h.
NOUN	28.09	33.52	28.61	25.22
X	0.19	0.20	0.29	0.10
ADP	10.79	10.37	10.98	10.82
DET	11.36	10.09	11.49	11.82
VERB	22.24	20.84	22.08	22.99
ADJ	6.16	5.83	6.00	6.43
ADV	6.76	5.29	6.74	7.45
PRT	3.76	3.35	3.34	4.27
PRON	6.82	7.05	6.55	6.93
NUM	0.85	0.79	0.77	0.94
CONJ	2.99	2.66	3.13	3.03
PUNC	0.00	0.00	0.00	0.00
N	57.42	60.95	57.51	55.60
ADJ	11.51	10.32	11.08	12.45
VERB	5.37	3.61	5.13	6.44
ADV	25.70	25.12	26.28	25.50
POS	33.00	33.17	32.60	33.24
POS!	94.87	94.96	93.43	96.05

TABLE S56. Percentage of synsets with each of the POS tags used by Wordnet. The last lines give the percentage of words considered from all of the tokens (POS) and from the words with synset (POS!). The tokens not considered are punctuations, unrecognized words, words without synsets, stopwords and words for which Wordnet has no synset tagged with POS tags . Values for each Erdös sectors are in the columns **p.** for periphery, **i.** for intermediary, **h.** for hubs. TAG: 4

	g.	p.	i.	h.
entity.n.01	100.00	100.00	100.00	100.00
total	100.00	100.00	100.00	100.00
abstraction.n.06	68.54	73.78	68.47	65.74
physical_entity.n.01	31.46	26.22	31.53	34.26
total	100.00	100.00	100.00	100.00
communication.n.02	20.18	21.93	18.38	20.79
object.n.01	18.82	15.06	19.57	20.21
measure.n.02	17.34	21.14	17.93	14.76
psychological_feature.n.01	17.15	17.53	17.81	16.38
causal_agent.n.01	7.89	5.49	6.89	10.06
attribute.n.02	6.33	5.47	6.58	6.58
group.n.01	4.50	4.82	5.10	3.80
matter.n.03	3.77	4.63	4.03	3.07
relation.n.01	3.04	2.89	2.68	3.42
process.n.06	0.51	0.68	0.48	0.44
thing.n.12	0.48	0.36	0.56	0.48
set.n.02	0.00	0.00	0.00	0.01
total	100.00	100.00	100.00	100.00
whole.n.02	18.76	15.43	19.28	20.08
definite_quantity.n.01	17.99	23.51	18.26	14.82
event.n.01	12.40	12.65	12.88	11.86
message.n.02	9.63	7.98	8.55	11.44
person.n.01	8.95	6.55	8.23	10.85
cognition.n.01	8.41	9.05	8.73	7.79
written_communication.n.01	6.27	6.19	5.51	6.96
state.n.02	4.19	3.63	4.53	4.19
indication.n.01	3.87	5.09	3.63	3.42
location.n.01	3.77	2.95	4.10	3.93
substance.n.01	3.19	4.43	3.18	2.53
message.n.01	2.57	2.53	3.11	2.14
total	100.00	100.00	100.00	100.00

TABLE S57. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 4

	g.	**p.**	**i.**	**h.**
$\mu(min\,depth)$	6.55	6.58	6.50	6.59
$\sigma(min\,depth)$	1.71	1.64	1.75	1.70
$\mu(max\,depth)$	6.87	6.82	6.80	6.97
$\sigma(max\,depth)$	1.86	1.72	1.86	1.93
$\mu(holonyms)$	0.12	0.12	0.12	0.11
$\sigma(holonyms)$	0.63	0.53	0.61	0.68
$\mu(meronyms)$	0.54	0.61	0.56	0.48
$\sigma(meronyms)$	3.02	3.40	3.13	2.68
$\mu(domains)$	0.07	0.06	0.08	0.07
$\sigma(domains)$	0.27	0.24	0.28	0.28
$\mu(similar)$	0.00	0.00	0.00	0.00
$\sigma(similar)$	0.00	0.00	0.00	0.00
$\mu(verb\,groups)$	0.00	0.00	0.00	0.00
$\sigma(verb\,groups)$	0.00	0.00	0.00	0.00
$\mu(lemmas)$	2.89	2.94	2.99	2.79
$\sigma(lemmas)$	2.58	2.49	2.79	2.43
$\mu(entailments)$	0.00	0.00	0.00	0.00
$\sigma(entailments)$	0.00	0.00	0.00	0.00
$\mu(hyponyms)$	7.77	6.96	8.53	7.55
$\sigma(hyponyms)$	30.78	27.75	32.57	30.74
$\mu(hypernyms)$	1.05	1.03	1.05	1.07
$\sigma(hypernyms)$	0.25	0.18	0.23	0.30

TABLE S58. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 4

	g.	**p.**	**i.**	**h.**
cardinal.s.01	18.99	15.87	21.55	18.80
public.a.01	12.62	11.64	17.36	10.01
like.a.01	11.72	9.90	13.28	11.56
new.a.01	9.45	9.17	9.10	9.80
major.a.01	6.95	0.58	0.73	13.93
secret.s.01	6.63	7.13	7.53	5.81
available.a.01	6.28	5.68	6.69	6.29
good.a.01	5.99	4.08	6.80	6.36
net.a.01	5.93	3.35	7.64	6.02
unsigned.a.01	5.93	25.62	0.94	0.00
first.a.01	4.93	2.62	3.24	7.10
able.a.01	4.58	4.37	5.13	4.33
total	100.00	100.00	100.00	100.00

TABLE S59. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 4

	g.	**p.**	**i.**	**h.**
$\mu(min\,depth)$	0.00	0.00	0.00	0.00
$\sigma(min\,depth)$	0.00	0.00	0.00	0.00
$\mu(max\,depth)$	0.00	0.00	0.00	0.00
$\sigma(max\,depth)$	0.00	0.00	0.00	0.00
$\mu(holonyms)$	0.00	0.00	0.00	0.00
$\sigma(holonyms)$	0.00	0.00	0.00	0.00
$\mu(meronyms)$	0.00	0.00	0.00	0.00
$\sigma(meronyms)$	0.00	0.00	0.00	0.00
$\mu(domains)$	0.05	0.05	0.05	0.04
$\sigma(domains)$	0.21	0.21	0.21	0.20
$\mu(similar)$	5.63	4.87	5.54	6.02
$\sigma(similar)$	6.72	5.92	6.55	7.12
$\mu(verb\,groups)$	0.00	0.00	0.00	0.00
$\sigma(verb\,groups)$	0.00	0.00	0.00	0.00
$\mu(lemmas)$	1.75	1.73	1.80	1.73
$\sigma(lemmas)$	1.44	1.50	1.47	1.38
$\mu(entailments)$	0.00	0.00	0.00	0.00
$\sigma(entailments)$	0.00	0.00	0.00	0.00
$\mu(hyponyms)$	0.00	0.00	0.00	0.00
$\sigma(hyponyms)$	0.00	0.00	0.00	0.00
$\mu(hypernyms)$	0.00	0.00	0.00	0.00
$\sigma(hypernyms)$	0.00	0.00	0.00	0.00

TABLE S60. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 4

	g.	p.	i.	h.
act.v.01	17.56	23.09	16.46	15.77
use.v.01	12.61	12.03	12.37	13.09
think.v.03	10.82	6.14	9.40	14.26
move.v.02	9.61	8.37	10.90	9.14
travel.v.01	8.98	8.96	8.53	9.36
change.v.01	8.86	8.62	8.51	9.28
make.v.03	8.14	7.67	9.52	7.22
get.v.01	5.72	7.78	6.55	4.04
express.v.02	5.30	4.22	5.14	5.95
make.v.01	4.87	4.99	5.45	4.32
change.v.02	4.20	4.05	4.07	4.39
be.v.01	3.34	4.08	3.10	3.17
total	100.00	100.00	100.00	100.00
interact.v.01	23.86	32.92	20.03	22.73
evaluate.v.02	17.50	9.96	14.48	23.58
state.v.01	10.20	8.30	9.80	11.43
put.v.01	7.62	7.12	7.70	7.78
try.v.01	6.86	10.24	8.21	4.14
send.v.01	5.43	5.60	7.34	3.78
check.v.01	5.43	3.67	10.08	2.43
convert.v.02	5.22	5.88	6.43	3.91
keep.v.03	5.11	6.36	5.28	4.37
come.v.01	4.55	1.18	1.98	8.28
see.v.01	4.32	4.08	4.20	4.53
travel_rapidly.v.01	3.91	4.70	4.48	3.05
total	100.00	100.00	100.00	100.00
communicate.v.02	34.17	44.54	30.12	32.63
accept.v.01	9.65	2.92	4.38	16.81
think.v.01	8.51	6.05	9.96	8.50
encode.v.01	7.99	9.19	10.14	5.76
run.v.01	5.98	7.35	7.01	4.54
increase.v.01	5.84	5.51	6.14	5.76
install.v.01	5.58	6.92	6.57	4.20
write.v.01	4.88	3.46	6.51	4.25
read.v.01	4.79	3.78	6.01	4.30
store.v.01	4.57	5.08	5.07	3.96
declare.v.01	4.18	2.92	4.13	4.79
expect.v.01	3.85	2.27	3.94	4.49
total	100.00	100.00	100.00	100.00
inform.v.01	23.36	33.97	19.06	21.05
write.v.02	16.95	12.50	17.78	18.57
believe.v.01	13.10	2.79	5.64	23.31
code.v.02	11.53	12.35	16.40	7.79
add.v.01	7.69	6.47	8.84	7.50
roll_up.v.02	5.48	5.59	7.45	4.08
record.v.01	4.78	6.32	5.43	3.57
ask.v.01	4.31	3.68	5.54	3.79
see.v.05	3.61	2.65	4.37	3.57
propose.v.01	3.38	2.06	3.73	3.79
ignore.v.01	3.04	9.41	1.70	0.80
communicate.v.01	2.77	2.21	4.05	2.18
total	100.00	100.00	100.00	100.00

TABLE S61. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 4

	g.	p.	i.	h.
$\mu(min\,depth)$	1.40	1.39	1.33	1.46
$\sigma(min\,depth)$	1.56	1.59	1.51	1.58
$\mu(max\,depth)$	1.40	1.39	1.33	1.46
$\sigma(max\,depth)$	1.56	1.59	1.51	1.58
$\mu(holonyms)$	0.00	0.00	0.00	0.00
$\sigma(holonyms)$	0.00	0.00	0.00	0.00
$\mu(meronyms)$	0.00	0.00	0.00	0.00
$\sigma(meronyms)$	0.00	0.00	0.00	0.00
$\mu(domains)$	0.03	0.03	0.03	0.02
$\sigma(domains)$	0.17	0.18	0.17	0.15
$\mu(similar)$	0.00	0.00	0.00	0.00
$\sigma(similar)$	0.00	0.00	0.00	0.00
$\mu(verb\,groups)$	0.44	0.44	0.46	0.41
$\sigma(verb\,groups)$	0.59	0.58	0.61	0.58
$\mu(lemmas)$	3.20	3.04	3.32	3.17
$\sigma(lemmas)$	2.15	2.07	2.26	2.08
$\mu(entailments)$	0.04	0.05	0.04	0.04
$\sigma(entailments)$	0.21	0.23	0.20	0.20
$\mu(hyponyms)$	14.52	14.62	14.18	14.76
$\sigma(hyponyms)$	37.89	37.40	36.19	39.52
$\mu(hypernyms)$	0.65	0.63	0.64	0.66
$\sigma(hypernyms)$	0.48	0.49	0.48	0.48

TABLE S62. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 4

	g.	**p.**	**i.**	**h.**
besides.r.02	14.54	13.39	12.14	16.44
still.r.01	10.86	12.99	11.50	9.86
truly.r.01	9.98	10.24	10.06	9.86
well.r.01	9.71	7.48	8.95	10.82
even.r.01	9.33	9.45	9.11	9.44
possibly.r.01	8.94	6.30	11.34	8.06
however.r.01	7.24	5.51	7.19	7.74
probably.r.01	6.97	3.54	5.91	8.59
already.r.01	6.69	9.84	7.35	5.41
never.r.01	5.81	6.69	7.03	4.77
alternatively.r.01	5.05	9.45	4.79	4.03
always.r.01	4.88	5.12	4.63	4.98
total	100.00	100.00	100.00	100.00

TABLE S63. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 4

	g.	**p.**	**i.**	**h.**
$\mu(min\,depth)$	0.00	0.00	0.00	0.00
$\sigma(min\,depth)$	0.00	0.00	0.00	0.00
$\mu(max\,depth)$	0.00	0.00	0.00	0.00
$\sigma(max\,depth)$	0.00	0.00	0.00	0.00
$\mu(holonyms)$	0.00	0.00	0.00	0.00
$\sigma(holonyms)$	0.00	0.00	0.00	0.00
$\mu(meronyms)$	0.00	0.00	0.00	0.00
$\sigma(meronyms)$	0.00	0.00	0.00	0.00
$\mu(domains)$	0.09	0.08	0.10	0.09
$\sigma(domains)$	0.29	0.27	0.30	0.29
$\mu(similar)$	0.00	0.00	0.00	0.00
$\sigma(similar)$	0.00	0.00	0.00	0.00
$\mu(verb\,groups)$	0.00	0.00	0.00	0.00
$\sigma(verb\,groups)$	0.00	0.00	0.00	0.00
$\mu(lemmas)$	3.11	3.09	3.13	3.11
$\sigma(lemmas)$	2.17	2.06	2.23	2.17
$\mu(entailments)$	0.00	0.00	0.00	0.00
$\sigma(entailments)$	0.00	0.00	0.00	0.00
$\mu(hyponyms)$	0.00	0.00	0.00	0.00
$\sigma(hyponyms)$	0.00	0.00	0.00	0.00
$\mu(hypernyms)$	0.00	0.00	0.00	0.00
$\sigma(hypernyms)$	0.00	0.00	0.00	0.00

TABLE S64. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 4

	g.	p.	i.	h.
NOUN	25.38	28.59	27.85	23.02
X	0.20	0.51	0.28	0.08
ADP	11.85	11.43	11.44	12.21
DET	11.29	10.75	11.15	11.50
VERB	22.83	22.46	22.43	23.18
ADJ	6.32	5.77	6.22	6.52
ADV	8.05	7.12	7.41	8.69
PRT	3.70	3.24	3.57	3.89
PRON	6.71	6.42	5.93	7.29
NUM	0.75	1.04	0.85	0.62
CONJ	2.91	2.67	2.87	2.99
PUNC	0.00	0.00	0.00	0.00
N	50.94	55.89	54.12	47.36
ADJ	12.42	10.42	11.54	13.56
VERB	7.42	5.84	5.96	8.89
ADV	29.23	27.85	28.39	30.19
POS	32.81	31.84	32.63	33.20
POS!	94.93	94.48	94.90	95.08

TABLE S65. Percentage of synsets with each of the POS tags used by Wordnet. The last lines give the percentage of words considered from all of the tokens (POS) and from the words with synset (POS!). The tokens not considered are punctuations, unrecognized words, words without synsets, stopwords and words for which Wordnet has no synset tagged with POS tags . Values for each Erdös sectors are in the columns **p.** for periphery, **i.** for intermediary, **h.** for hubs. TAG: 5

	g.	p.	i.	h.
entity.n.01	100.00	100.00	100.00	100.00
total	100.00	100.00	100.00	100.00
abstraction.n.06	70.54	70.02	71.21	70.13
physical_entity.n.01	29.46	29.98	28.79	29.87
total	100.00	100.00	100.00	100.00
psychological_feature.n.01	19.83	17.31	18.96	21.31
communication.n.02	18.48	20.02	19.00	17.59
object.n.01	16.89	17.85	17.78	15.86
measure.n.02	15.00	17.16	16.50	13.11
attribute.n.02	8.18	7.12	7.75	8.86
causal_agent.n.01	8.08	6.95	7.00	9.32
group.n.01	5.29	5.33	5.05	5.47
relation.n.01	3.75	3.09	3.94	3.79
matter.n.03	3.33	4.31	2.77	3.51
thing.n.12	0.61	0.52	0.62	0.63
process.n.06	0.55	0.35	0.62	0.54
set.n.02	0.00	0.00	0.00	0.01
total	100.00	100.00	100.00	100.00
event.n.01	14.83	14.14	14.01	15.72
definite_quantity.n.01	14.83	17.70	16.57	12.50
whole.n.02	14.78	16.05	14.42	14.69
person.n.01	10.18	8.66	8.84	11.77
cognition.n.01	10.03	7.35	9.76	11.08
message.n.02	8.85	10.67	9.12	8.07
written_communication.n.01	7.19	6.51	7.14	7.43
location.n.01	5.59	5.22	7.17	4.38
state.n.02	4.91	4.97	3.87	5.76
substance.n.01	3.40	4.60	3.09	3.29
property.n.02	2.76	2.31	3.04	2.66
collection.n.01	2.66	1.81	2.98	2.65
total	100.00	100.00	100.00	100.00

TABLE S66. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 5

	g.	**p.**	**i.**	**h.**
$\mu(min\,depth)$	6.36	6.53	6.34	6.32
$\sigma(min\,depth)$	1.73	1.74	1.72	1.73
$\mu(max\,depth)$	6.67	6.81	6.61	6.68
$\sigma(max\,depth)$	1.84	1.83	1.83	1.86
$\mu(holonyms)$	0.12	0.14	0.12	0.11
$\sigma(holonyms)$	0.48	0.75	0.46	0.37
$\mu(meronyms)$	0.45	0.50	0.50	0.40
$\sigma(meronyms)$	2.77	3.45	3.00	2.30
$\mu(domains)$	0.07	0.07	0.06	0.08
$\sigma(domains)$	0.26	0.26	0.25	0.27
$\mu(similar)$	0.00	0.00	0.00	0.00
$\sigma(similar)$	0.00	0.00	0.00	0.00
$\mu(verb\,groups)$	0.00	0.00	0.00	0.00
$\sigma(verb\,groups)$	0.00	0.00	0.00	0.00
$\mu(lemmas)$	3.14	3.25	3.07	3.18
$\sigma(lemmas)$	3.11	3.27	2.85	3.27
$\mu(entailments)$	0.00	0.00	0.00	0.00
$\sigma(entailments)$	0.00	0.00	0.00	0.00
$\mu(hyponyms)$	9.51	9.75	9.00	9.87
$\sigma(hyponyms)$	35.35	38.32	32.82	36.45
$\mu(hypernyms)$	1.03	1.02	1.02	1.03
$\sigma(hypernyms)$	0.17	0.16	0.15	0.18

TABLE S67. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 5

	g.	**p.**	**i.**	**h.**
like.a.01	14.46	13.54	16.41	13.51
good.a.01	12.21	8.85	7.03	15.74
public.a.01	12.15	17.71	8.59	13.24
pro.a.01	11.90	14.58	26.09	3.31
new.a.01	9.44	9.38	9.84	9.21
itinerant.s.01	8.10	0.00	0.00	14.13
easy.a.01	7.44	9.38	6.88	7.42
certain.a.02	5.28	5.21	6.72	4.47
small.a.01	5.28	4.17	7.19	4.38
first.a.01	4.92	6.77	5.62	4.20
great.s.01	4.41	6.77	2.19	5.28
least.a.01	4.41	3.65	3.44	5.10
total	100.00	100.00	100.00	100.00

TABLE S68. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 5

	g.	**p.**	**i.**	**h.**
$\mu(min\,depth)$	0.00	0.00	0.00	0.00
$\sigma(min\,depth)$	0.00	0.00	0.00	0.00
$\mu(max\,depth)$	0.00	0.00	0.00	0.00
$\sigma(max\,depth)$	0.00	0.00	0.00	0.00
$\mu(holonyms)$	0.00	0.00	0.00	0.00
$\sigma(holonyms)$	0.00	0.00	0.00	0.00
$\mu(meronyms)$	0.00	0.00	0.00	0.00
$\sigma(meronyms)$	0.00	0.00	0.00	0.00
$\mu(domains)$	0.06	0.07	0.04	0.06
$\sigma(domains)$	0.23	0.26	0.20	0.24
$\mu(similar)$	5.63	5.92	5.52	5.64
$\sigma(similar)$	7.10	7.91	6.91	7.05
$\mu(verb\,groups)$	0.00	0.00	0.00	0.00
$\sigma(verb\,groups)$	0.00	0.00	0.00	0.00
$\mu(lemmas)$	1.74	1.74	1.72	1.76
$\sigma(lemmas)$	1.59	1.60	1.42	1.68
$\mu(entailments)$	0.00	0.00	0.00	0.00
$\sigma(entailments)$	0.00	0.00	0.00	0.00
$\mu(hyponyms)$	0.00	0.00	0.00	0.00
$\sigma(hyponyms)$	0.00	0.00	0.00	0.00
$\mu(hypernyms)$	0.00	0.00	0.00	0.00
$\sigma(hypernyms)$	0.00	0.00	0.00	0.00

TABLE S69. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 5

	g.	p.	i.	h.
act.v.01	13.53	15.50	14.14	12.71
make.v.03	11.50	12.06	12.45	10.76
change.v.01	11.47	9.61	11.99	11.54
move.v.02	11.39	12.06	9.20	12.67
think.v.03	9.96	9.61	9.54	10.31
change.v.02	8.37	9.25	7.11	9.00
travel.v.01	7.67	7.89	7.61	7.67
use.v.01	6.32	5.26	6.13	6.67
make.v.01	5.38	6.44	5.83	4.87
get.v.01	4.99	5.35	4.81	5.02
be.v.01	4.78	3.81	6.69	3.75
perceive.v.01	4.63	3.17	4.51	5.02
total	100.00	100.00	100.00	100.00
interact.v.01	15.68	18.77	17.60	13.87
evaluate.v.02	15.03	17.43	14.41	14.92
construct.v.01	13.89	15.71	15.05	12.81
state.v.01	8.77	7.85	8.74	8.98
see.v.01	7.35	4.98	7.21	7.93
put.v.01	6.95	8.24	7.08	6.60
change_magnitude.v.01	6.49	6.51	5.48	7.11
better.v.02	6.00	4.21	6.51	6.05
push.v.01	6.00	2.49	1.85	9.26
keep.v.03	4.99	4.79	5.42	4.77
try.v.01	4.52	4.79	5.48	3.87
look.v.02	4.32	4.21	5.17	3.83
total	100.00	100.00	100.00	100.00
communicate.v.02	26.75	29.77	28.54	24.81
think.v.01	12.50	14.89	11.91	12.37
increase.v.01	11.23	10.68	9.01	12.89
repair.v.01	8.83	4.53	8.69	9.91
run.v.01	5.96	6.47	5.47	6.18
name.v.01	5.77	4.21	6.22	5.81
expect.v.01	5.65	3.88	4.61	6.78
declare.v.01	5.57	4.53	5.79	5.66
install.v.01	4.99	7.44	7.08	2.98
save.v.02	4.96	3.56	5.58	4.84
update.v.01	3.91	5.50	3.76	3.65
store.v.01	3.87	4.53	3.33	4.10
total	100.00	100.00	100.00	100.00
inform.v.01	29.70	35.39	33.15	26.40
add.v.01	16.89	17.98	13.94	18.49
record.v.01	8.16	6.18	9.79	7.56
propose.v.01	5.99	6.18	4.90	6.63
unify.v.01	5.93	2.25	2.26	8.95
roll_up.v.02	5.61	7.87	5.27	5.35
think.v.02	5.35	1.69	3.20	7.44
mention.v.01	5.04	2.25	6.21	4.88
see.v.05	4.72	8.99	7.53	2.09
replace.v.01	4.40	1.69	5.84	4.07
talk.v.02	4.33	5.06	6.21	3.02
believe.v.01	3.89	4.49	1.69	5.12
total	100.00	100.00	100.00	100.00

TABLE S70. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 5

	g.	p.	i.	h.
$\mu(min\,depth)$	1.33	1.33	1.31	1.34
$\sigma(min\,depth)$	1.47	1.44	1.46	1.48
$\mu(max\,depth)$	1.33	1.33	1.31	1.34
$\sigma(max\,depth)$	1.47	1.44	1.46	1.48
$\mu(holonyms)$	0.00	0.00	0.00	0.00
$\sigma(holonyms)$	0.00	0.00	0.00	0.00
$\mu(meronyms)$	0.00	0.00	0.00	0.00
$\sigma(meronyms)$	0.00	0.00	0.00	0.00
$\mu(domains)$	0.02	0.02	0.02	0.02
$\sigma(domains)$	0.13	0.14	0.14	0.12
$\mu(similar)$	0.00	0.00	0.00	0.00
$\sigma(similar)$	0.00	0.00	0.00	0.00
$\mu(verb\,groups)$	0.47	0.46	0.46	0.48
$\sigma(verb\,groups)$	0.62	0.62	0.62	0.62
$\mu(lemmas)$	3.21	3.27	3.27	3.16
$\sigma(lemmas)$	2.23	2.42	2.27	2.15
$\mu(entailments)$	0.07	0.06	0.05	0.09
$\sigma(entailments)$	0.32	0.27	0.25	0.38
$\mu(hyponyms)$	18.05	18.52	18.05	17.94
$\sigma(hyponyms)$	48.05	51.06	49.64	46.17
$\mu(hypernyms)$	0.66	0.68	0.65	0.67
$\sigma(hypernyms)$	0.47	0.47	0.48	0.47

TABLE S71. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 5

	g.	p.	i.	h.
besides.r.02	16.71	28.89	21.24	11.72
well.r.01	11.94	6.67	14.59	11.60
truly.r.01	9.62	6.67	7.94	11.14
possibly.r.01	9.55	6.11	8.15	11.02
still.r.01	9.48	10.00	8.58	9.86
already.r.01	8.29	6.67	10.73	7.31
even.r.01	7.16	9.44	6.44	7.08
probably.r.01	6.03	7.78	3.00	7.31
anyhow.r.01	5.57	2.22	3.22	7.54
alternatively.r.01	5.37	4.44	5.79	5.34
always.r.01	5.31	2.78	3.86	6.61
presently.r.02	4.97	8.33	6.44	3.48
total	100.00	100.00	100.00	100.00

TABLE S72. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 5

	g.	p.	i.	h.
$\mu(min\,depth)$	0.00	0.00	0.00	0.00
$\sigma(min\,depth)$	0.00	0.00	0.00	0.00
$\mu(max\,depth)$	0.00	0.00	0.00	0.00
$\sigma(max\,depth)$	0.00	0.00	0.00	0.00
$\mu(holonyms)$	0.00	0.00	0.00	0.00
$\sigma(holonyms)$	0.00	0.00	0.00	0.00
$\mu(meronyms)$	0.00	0.00	0.00	0.00
$\sigma(meronyms)$	0.00	0.00	0.00	0.00
$\mu(domains)$	0.12	0.08	0.12	0.12
$\sigma(domains)$	0.32	0.27	0.33	0.33
$\mu(similar)$	0.00	0.00	0.00	0.00
$\sigma(similar)$	0.00	0.00	0.00	0.00
$\mu(verb\,groups)$	0.00	0.00	0.00	0.00
$\sigma(verb\,groups)$	0.00	0.00	0.00	0.00
$\mu(lemmas)$	3.02	2.95	3.06	3.01
$\sigma(lemmas)$	2.06	2.03	2.12	2.04
$\mu(entailments)$	0.00	0.00	0.00	0.00
$\sigma(entailments)$	0.00	0.00	0.00	0.00
$\mu(hyponyms)$	0.00	0.00	0.00	0.00
$\sigma(hyponyms)$	0.00	0.00	0.00	0.00
$\mu(hypernyms)$	0.00	0.00	0.00	0.00
$\sigma(hypernyms)$	0.00	0.00	0.00	0.00

TABLE S73. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 5

	g.	p.	i.	h.
NOUN	31.34	34.11	31.36	27.68
X	0.13	0.07	0.05	0.30
ADP	10.91	10.63	11.00	11.17
DET	10.97	10.70	10.69	11.70
VERB	22.88	21.83	23.21	23.82
ADJ	5.45	5.20	5.27	6.02
ADV	4.80	4.59	4.54	5.40
PRT	3.72	3.56	3.92	3.66
PRON	6.89	6.26	6.97	7.62
NUM	0.81	0.86	0.93	0.58
CONJ	2.10	2.18	2.06	2.05
PUNC	0.00	0.00	0.00	0.00
N	64.26	65.96	64.93	60.83
ADJ	7.43	7.19	6.89	8.57
VERB	3.21	2.87	2.97	4.04
ADV	25.10	23.97	25.21	26.56
POS	32.20	31.36	32.11	33.63
POS!	93.64	93.55	93.29	94.32

TABLE S74. Percentage of synsets with each of the POS tags used by Wordnet. The last lines give the percentage of words considered from all of the tokens (POS) and from the words with synset (POS!). The tokens not considered are punctuations, unrecognized words, words without synsets, stopwords and words for which Wordnet has no synset tagged with POS tags . Values for each Erdös sectors are in the columns **p.** for periphery, **i.** for intermediary, **h.** for hubs. TAG: 6

	g.	p.	i.	h.
entity.n.01	100.00	100.00	100.00	100.00
total	100.00	100.00	100.00	100.00
abstraction.n.06	78.78	77.64	79.08	80.06
physical_entity.n.01	21.22	22.36	20.92	19.94
total	100.00	100.00	100.00	100.00
communication.n.02	22.61	20.37	22.69	25.94
measure.n.02	16.27	17.37	18.02	11.80
psychological_feature.n.01	15.90	17.24	14.35	16.27
group.n.01	14.89	12.83	15.11	17.72
object.n.01	11.65	12.19	11.52	11.00
attribute.n.02	6.31	6.74	6.09	5.97
causal_agent.n.01	4.70	4.69	4.80	4.54
matter.n.03	3.15	3.73	3.02	2.46
relation.n.01	2.80	3.08	2.80	2.34
process.n.06	0.99	1.07	0.97	0.92
thing.n.12	0.73	0.68	0.60	1.02
set.n.02	0.01	0.01	0.01	0.01
total	100.00	100.00	100.00	100.00
definite_quantity.n.01	17.21	18.28	19.57	11.63
written_communication.n.01	15.86	13.69	15.89	19.32
event.n.01	13.01	12.66	12.29	14.76
cognition.n.01	9.33	11.14	7.76	8.97
message.n.02	9.30	8.50	9.24	10.71
whole.n.02	9.27	10.18	8.91	8.40
person.n.01	6.44	6.29	6.62	6.39
message.n.01	4.56	3.58	4.94	5.51
location.n.01	4.16	4.00	4.23	4.31
substance.n.01	4.05	4.78	3.83	3.23
system_of_measurement.n.01	3.78	3.60	3.98	3.74
collection.n.01	3.03	3.31	2.75	3.03
total	100.00	100.00	100.00	100.00

TABLE S75. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 6

	g.	**p.**	**i.**	**h.**
$\mu(min\,depth)$	6.01	6.09	5.99	5.93
$\sigma(min\,depth)$	2.23	2.12	2.24	2.37
$\mu(max\,depth)$	6.21	6.30	6.19	6.12
$\sigma(max\,depth)$	2.36	2.25	2.36	2.51
$\mu(holonyms)$	0.08	0.09	0.07	0.07
$\sigma(holonyms)$	0.39	0.40	0.37	0.39
$\mu(meronyms)$	0.26	0.31	0.23	0.22
$\sigma(meronyms)$	1.63	2.01	1.39	1.28
$\mu(domains)$	0.03	0.03	0.03	0.03
$\sigma(domains)$	0.18	0.19	0.18	0.17
$\mu(similar)$	0.00	0.00	0.00	0.00
$\sigma(similar)$	0.00	0.00	0.00	0.00
$\mu(verb\,groups)$	0.00	0.00	0.00	0.00
$\sigma(verb\,groups)$	0.00	0.00	0.00	0.00
$\mu(lemmas)$	2.62	2.73	2.63	2.43
$\sigma(lemmas)$	2.39	2.48	2.39	2.22
$\mu(entailments)$	0.00	0.00	0.00	0.00
$\sigma(entailments)$	0.00	0.00	0.00	0.00
$\mu(hyponyms)$	9.65	9.64	9.26	10.28
$\sigma(hyponyms)$	27.51	30.61	24.29	27.23
$\mu(hypernyms)$	1.01	1.01	1.02	1.01
$\sigma(hypernyms)$	0.12	0.12	0.13	0.12

TABLE S76. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 6

	g.	**p.**	**i.**	**h.**
like.a.01	19.89	22.03	19.33	17.84
new.a.01	13.11	16.83	11.34	10.64
public.a.01	10.77	4.00	7.28	24.10
true.a.01	8.64	10.05	11.10	3.60
different.a.01	7.16	6.42	8.00	7.04
false.a.01	6.90	8.84	8.83	1.88
common.a.01	6.77	4.84	4.30	12.52
able.a.01	5.86	5.93	7.16	4.07
certain.a.02	5.73	4.60	5.85	7.04
possible.a.01	5.30	6.66	5.25	3.60
null.s.01	5.17	5.33	7.76	1.56
individual.a.01	4.69	4.48	3.82	6.10
total	100.00	100.00	100.00	100.00

TABLE S77. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 6

	g.	**p.**	**i.**	**h.**
$\mu(min\,depth)$	0.00	0.00	0.00	0.00
$\sigma(min\,depth)$	0.00	0.00	0.00	0.00
$\mu(max\,depth)$	0.00	0.00	0.00	0.00
$\sigma(max\,depth)$	0.00	0.00	0.00	0.00
$\mu(holonyms)$	0.00	0.00	0.00	0.00
$\sigma(holonyms)$	0.00	0.00	0.00	0.00
$\mu(meronyms)$	0.00	0.00	0.00	0.00
$\sigma(meronyms)$	0.00	0.00	0.00	0.00
$\mu(domains)$	0.07	0.07	0.08	0.07
$\sigma(domains)$	0.25	0.25	0.26	0.25
$\mu(similar)$	5.98	5.98	5.89	6.10
$\sigma(similar)$	7.15	7.27	7.08	7.09
$\mu(verb\,groups)$	0.00	0.00	0.00	0.00
$\sigma(verb\,groups)$	0.00	0.00	0.00	0.00
$\mu(lemmas)$	1.70	1.77	1.70	1.61
$\sigma(lemmas)$	1.40	1.55	1.35	1.26
$\mu(entailments)$	0.00	0.00	0.00	0.00
$\sigma(entailments)$	0.00	0.00	0.00	0.00
$\mu(hyponyms)$	0.00	0.00	0.00	0.00
$\sigma(hyponyms)$	0.00	0.00	0.00	0.00
$\mu(hypernyms)$	0.00	0.00	0.00	0.00
$\sigma(hypernyms)$	0.00	0.00	0.00	0.00

TABLE S78. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 6

	g.	p.	i.	h.
get.v.01	17.33	16.36	18.12	17.42
offer.v.07	11.80	9.86	12.30	13.54
travel.v.03	11.77	9.91	12.21	13.49
act.v.01	10.56	12.10	10.56	8.64
travel.v.01	8.68	10.54	8.48	6.63
use.v.01	7.32	8.41	6.13	7.64
move.v.02	6.10	7.03	6.32	4.62
make.v.03	6.05	6.57	5.97	5.50
change.v.02	6.04	5.72	5.77	6.82
think.v.03	6.01	5.37	5.75	7.20
change.v.01	4.96	4.61	4.83	5.57
be.v.01	3.38	3.53	3.56	2.94
total	100.00	100.00	100.00	100.00
receive.v.01	19.31	18.49	20.10	19.18
subscribe.v.01	18.19	16.42	18.92	19.11
travel.v.02	18.14	16.51	18.78	19.05
interact.v.01	9.43	11.36	9.50	7.27
evaluate.v.02	7.34	6.70	6.71	8.82
keep.v.03	4.93	5.56	4.05	5.39
try.v.01	4.34	5.79	4.36	2.74
travel_rapidly.v.01	4.23	5.18	3.76	3.80
state.v.01	4.11	3.96	4.00	4.40
put.v.01	3.89	4.16	4.12	3.31
see.v.01	3.21	3.06	2.90	3.77
change_magnitude.v.01	2.90	2.80	2.78	3.15
total	100.00	100.00	100.00	100.00
tour.v.01	36.31	30.72	38.39	40.33
communicate.v.02	13.12	13.92	13.25	11.95
run.v.01	8.47	9.64	7.71	8.05
save.v.02	7.58	8.18	6.19	8.71
think.v.01	5.93	4.12	5.45	8.78
increase.v.01	5.54	5.09	5.45	6.20
meet.v.07	4.91	6.28	5.60	2.31
nest.v.01	4.13	5.04	5.65	0.99
name.v.01	3.74	5.96	2.75	2.38
expect.v.01	3.71	3.36	3.73	4.09
declare.v.01	3.33	3.52	3.09	3.43
represent.v.09	3.24	4.17	2.75	2.77
total	100.00	100.00	100.00	100.00
visit.v.01	47.56	42.89	49.53	50.08
inform.v.01	11.94	12.56	13.05	9.84
record.v.01	9.92	11.42	7.98	10.82
cluster.v.01	6.43	8.77	7.22	2.87
add.v.01	5.90	5.67	5.89	6.15
map.v.01	4.08	5.60	3.29	3.44
unify.v.01	3.03	1.74	2.91	4.59
propose.v.01	2.74	3.33	2.34	2.62
see.v.05	2.55	1.44	1.77	4.75
filter.v.01	2.52	2.50	3.55	1.23
address.v.01	1.80	2.72	0.89	1.97
promise.v.01	1.53	1.36	1.58	1.64
total	100.00	100.00	100.00	100.00

TABLE S79. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 6

	g.	p.	i.	h.
$\mu(min\,depth)$	1.43	1.39	1.43	1.48
$\sigma(min\,depth)$	1.46	1.47	1.46	1.46
$\mu(max\,depth)$	1.43	1.39	1.43	1.48
$\sigma(max\,depth)$	1.46	1.47	1.46	1.46
$\mu(holonyms)$	0.00	0.00	0.00	0.00
$\sigma(holonyms)$	0.00	0.00	0.00	0.00
$\mu(meronyms)$	0.00	0.00	0.00	0.00
$\sigma(meronyms)$	0.00	0.00	0.00	0.00
$\mu(domains)$	0.08	0.07	0.09	0.10
$\sigma(domains)$	0.28	0.25	0.28	0.29
$\mu(similar)$	0.00	0.00	0.00	0.00
$\sigma(similar)$	0.00	0.00	0.00	0.00
$\mu(verb\,groups)$	0.48	0.47	0.48	0.50
$\sigma(verb\,groups)$	0.58	0.58	0.59	0.58
$\mu(lemmas)$	2.84	2.84	2.81	2.89
$\sigma(lemmas)$	2.03	2.00	2.01	2.09
$\mu(entailments)$	0.03	0.03	0.03	0.02
$\sigma(entailments)$	0.17	0.17	0.17	0.16
$\mu(hyponyms)$	12.43	12.54	12.05	12.82
$\sigma(hyponyms)$	33.76	33.18	32.12	36.61
$\mu(hypernyms)$	0.73	0.71	0.74	0.75
$\sigma(hypernyms)$	0.45	0.46	0.45	0.45

TABLE S80. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 6

	g.	**p.**	**i.**	**h.**
besides.r.02	19.09	19.58	17.97	19.95
possibly.r.01	10.83	8.20	7.82	16.92
still.r.01	10.67	10.32	12.90	8.33
truly.r.01	8.74	4.76	11.84	8.84
well.r.01	8.66	8.73	7.40	10.10
however.r.01	7.46	12.43	6.34	4.04
back.r.01	7.22	6.35	8.67	6.31
even.r.01	6.58	8.47	5.07	6.57
alternatively.r.01	6.01	7.94	4.86	5.56
much.r.01	5.29	3.97	6.77	4.80
already.r.01	5.13	4.76	5.29	5.30
actually.r.01	4.33	4.50	5.07	3.28
total	100.00	100.00	100.00	100.00

TABLE S81. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 6

	g.	**p.**	**i.**	**h.**
$\mu(min\,depth)$	0.00	0.00	0.00	0.00
$\sigma(min\,depth)$	0.00	0.00	0.00	0.00
$\mu(max\,depth)$	0.00	0.00	0.00	0.00
$\sigma(max\,depth)$	0.00	0.00	0.00	0.00
$\mu(holonyms)$	0.00	0.00	0.00	0.00
$\sigma(holonyms)$	0.00	0.00	0.00	0.00
$\mu(meronyms)$	0.00	0.00	0.00	0.00
$\sigma(meronyms)$	0.00	0.00	0.00	0.00
$\mu(domains)$	0.08	0.08	0.08	0.08
$\sigma(domains)$	0.27	0.26	0.27	0.27
$\mu(similar)$	0.00	0.00	0.00	0.00
$\sigma(similar)$	0.00	0.00	0.00	0.00
$\mu(verb\,groups)$	0.00	0.00	0.00	0.00
$\sigma(verb\,groups)$	0.00	0.00	0.00	0.00
$\mu(lemmas)$	3.15	3.27	3.08	3.09
$\sigma(lemmas)$	2.19	2.35	2.14	2.08
$\mu(entailments)$	0.00	0.00	0.00	0.00
$\sigma(entailments)$	0.00	0.00	0.00	0.00
$\mu(hyponyms)$	0.00	0.00	0.00	0.00
$\sigma(hyponyms)$	0.00	0.00	0.00	0.00
$\mu(hypernyms)$	0.00	0.00	0.00	0.00
$\sigma(hypernyms)$	0.00	0.00	0.00	0.00

TABLE S82. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 6

	g.	p.	i.	h.
NOUN	24.91	29.24	25.88	23.90
X	0.26	0.16	0.56	0.11
ADP	12.01	12.00	12.00	12.01
DET	12.28	11.41	11.77	12.66
VERB	22.89	21.89	22.72	23.09
ADJ	5.52	5.57	5.50	5.52
ADV	7.38	6.41	7.34	7.51
PRT	4.01	3.46	3.74	4.21
PRON	7.33	6.26	6.94	7.67
NUM	0.60	0.70	0.69	0.54
CONJ	2.81	2.89	2.86	2.78
PUNC	0.00	0.00	0.00	0.00
N	52.04	57.71	53.91	50.25
ADJ	11.45	10.15	11.14	11.80
VERB	7.12	5.48	6.39	7.74
ADV	29.39	26.66	28.57	30.21
POS	32.88	32.71	31.73	33.60
POS!	95.14	95.76	94.29	95.56

TABLE S83. Percentage of synsets with each of the POS tags used by Wordnet. The last lines give the percentage of words considered from all of the tokens (POS) and from the words with synset (POS!). The tokens not considered are punctuations, unrecognized words, words without synsets, stopwords and words for which Wordnet has no synset tagged with POS tags . Values for each Erdös sectors are in the columns **p.** for periphery, **i.** for intermediary, **h.** for hubs. TAG: 7

	g.	p.	i.	h.
entity.n.01	100.00	100.00	100.00	100.00
total	100.00	100.00	100.00	100.00
abstraction.n.06	70.57	70.44	71.22	70.19
physical_entity.n.01	29.43	29.56	28.78	29.81
total	100.00	100.00	100.00	100.00
psychological_feature.n.01	24.89	20.04	23.65	26.36
object.n.01	17.05	17.69	18.06	16.34
communication.n.02	12.97	15.12	13.18	12.52
measure.n.02	12.30	17.79	14.90	9.90
attribute.n.02	10.18	7.77	9.37	11.03
causal_agent.n.01	7.99	6.07	6.50	9.18
group.n.01	6.82	6.94	6.90	6.75
relation.n.01	3.41	2.79	3.21	3.62
matter.n.03	3.25	4.95	3.11	3.08
process.n.06	0.79	0.58	0.85	0.78
thing.n.12	0.36	0.27	0.27	0.43
set.n.02	0.00	0.00	0.01	0.00
total	100.00	100.00	100.00	100.00
event.n.01	16.76	15.35	15.71	17.60
whole.n.02	15.23	16.54	16.57	14.22
cognition.n.01	14.07	9.64	13.66	14.97
definite_quantity.n.01	11.84	17.76	15.12	8.97
person.n.01	9.89	7.42	8.03	11.39
message.n.02	6.34	7.17	6.57	6.07
state.n.02	5.51	4.36	4.80	6.12
written_communication.n.01	5.33	5.43	5.09	5.46
location.n.01	4.64	4.79	4.82	4.50
collection.n.01	4.46	4.21	4.03	4.76
trait.n.01	2.97	2.38	2.54	3.32
substance.n.01	2.96	4.94	3.06	2.62
total	100.00	100.00	100.00	100.00

TABLE S84. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 7

	g.	**p.**	**i.**	**h.**
$\mu(min\,depth)$	6.34	6.43	6.43	6.27
$\sigma(min\,depth)$	1.96	2.09	1.98	1.92
$\mu(max\,depth)$	6.64	6.70	6.68	6.61
$\sigma(max\,depth)$	2.13	2.15	2.10	2.14
$\mu(holonyms)$	0.13	0.13	0.14	0.12
$\sigma(holonyms)$	0.67	0.36	0.73	0.67
$\mu(meronyms)$	0.32	0.28	0.34	0.31
$\sigma(meronyms)$	1.65	1.85	1.70	1.58
$\mu(domains)$	0.05	0.06	0.05	0.05
$\sigma(domains)$	0.23	0.24	0.23	0.23
$\mu(similar)$	0.00	0.00	0.00	0.00
$\sigma(similar)$	0.00	0.00	0.00	0.00
$\mu(verb\,groups)$	0.00	0.00	0.00	0.00
$\sigma(verb\,groups)$	0.00	0.00	0.00	0.00
$\mu(lemmas)$	2.85	3.08	2.97	2.74
$\sigma(lemmas)$	2.73	3.04	2.90	2.56
$\mu(entailments)$	0.00	0.00	0.00	0.00
$\sigma(entailments)$	0.00	0.00	0.00	0.00
$\mu(hyponyms)$	9.29	8.16	8.41	9.99
$\sigma(hyponyms)$	28.09	26.68	24.26	30.36
$\mu(hypernyms)$	1.03	1.04	1.02	1.04
$\sigma(hypernyms)$	0.18	0.21	0.15	0.19

TABLE S85. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 7

	g.	**p.**	**i.**	**h.**
like.a.01	24.48	17.65	23.44	26.01
new.a.01	13.39	17.65	11.51	13.93
good.a.01	8.31	7.69	10.48	7.12
certain.a.02	7.53	5.88	7.37	7.85
small.a.01	7.00	7.24	6.74	7.12
all_right.s.01	6.25	4.98	7.26	5.83
different.a.01	6.11	5.88	5.60	6.44
last.s.01	5.93	13.12	7.26	4.17
easy.a.01	5.58	3.62	5.29	6.01
many.a.01	5.26	4.07	5.29	5.40
first.a.01	5.08	6.79	5.50	4.60
simple.a.01	5.08	5.43	4.25	5.52
total	100.00	100.00	100.00	100.00

TABLE S86. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 7

	g.	**p.**	**i.**	**h.**
$\mu(min\,depth)$	0.00	0.00	0.00	0.00
$\sigma(min\,depth)$	0.00	0.00	0.00	0.00
$\mu(max\,depth)$	0.00	0.00	0.00	0.00
$\sigma(max\,depth)$	0.00	0.00	0.00	0.00
$\mu(holonyms)$	0.00	0.00	0.00	0.00
$\sigma(holonyms)$	0.00	0.00	0.00	0.00
$\mu(meronyms)$	0.00	0.00	0.00	0.00
$\sigma(meronyms)$	0.00	0.00	0.00	0.00
$\mu(domains)$	0.06	0.06	0.05	0.07
$\sigma(domains)$	0.24	0.24	0.23	0.25
$\mu(similar)$	5.90	6.08	5.67	6.00
$\sigma(similar)$	6.79	6.50	6.41	7.02
$\mu(verb\,groups)$	0.00	0.00	0.00	0.00
$\sigma(verb\,groups)$	0.00	0.00	0.00	0.00
$\mu(lemmas)$	1.79	1.63	1.73	1.84
$\sigma(lemmas)$	1.64	1.36	1.47	1.75
$\mu(entailments)$	0.00	0.00	0.00	0.00
$\sigma(entailments)$	0.00	0.00	0.00	0.00
$\mu(hyponyms)$	0.00	0.00	0.00	0.00
$\sigma(hyponyms)$	0.00	0.00	0.00	0.00
$\mu(hypernyms)$	0.00	0.00	0.00	0.00
$\sigma(hypernyms)$	0.00	0.00	0.00	0.00

TABLE S87. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 7

	g.	p.	i.	h.
think.v.03	12.75	9.43	11.82	13.64
act.v.01	12.43	12.81	13.27	11.92
make.v.03	10.83	11.83	10.61	10.84
travel.v.01	9.94	11.21	9.85	9.84
change.v.01	9.68	8.19	10.27	9.53
use.v.01	9.08	10.94	8.89	8.96
move.v.02	8.42	11.57	9.24	7.62
change.v.02	6.53	5.69	6.88	6.44
get.v.01	5.60	5.34	5.72	5.57
make.v.01	5.19	5.60	4.32	5.61
be.v.01	4.96	4.54	4.80	5.10
express.v.02	4.59	2.85	4.32	4.94
total	100.00	100.00	100.00	100.00
evaluate.v.02	21.32	12.58	18.86	23.85
interact.v.01	14.48	10.91	14.41	14.97
put.v.01	9.96	15.77	10.66	8.81
state.v.01	9.20	5.37	8.35	10.18
construct.v.01	6.97	10.07	7.02	6.54
try.v.01	6.55	8.72	6.76	6.16
see.v.01	6.37	4.36	6.50	6.54
label.v.01	5.50	9.90	6.05	4.62
travel_rapidly.v.01	5.42	6.88	6.13	4.83
change_magnitude.v.01	5.03	3.69	5.79	4.77
look.v.02	4.83	6.54	4.94	4.56
keep.v.03	4.37	5.20	4.53	4.17
total	100.00	100.00	100.00	100.00
communicate.v.02	21.25	15.27	20.94	22.23
think.v.01	16.04	10.18	14.65	17.65
name.v.01	8.54	15.01	9.32	7.22
run.v.01	8.40	10.43	9.38	7.56
increase.v.01	7.68	5.60	8.70	7.35
write.v.01	6.66	5.09	6.86	6.75
install.v.01	6.39	20.10	8.12	3.54
save.v.02	5.76	6.11	5.66	5.77
declare.v.01	5.23	3.82	4.52	5.84
supply.v.01	4.86	2.80	2.97	6.24
repair.v.01	4.74	3.31	4.86	4.86
disapprove.v.02	4.45	2.29	4.00	4.99
total	100.00	100.00	100.00	100.00
inform.v.01	29.08	34.85	31.74	27.17
add.v.01	15.36	15.91	18.06	13.89
record.v.01	12.34	18.18	12.77	11.59
object.v.01	8.90	6.06	8.77	9.21
believe.v.01	6.71	3.03	2.45	9.28
propose.v.01	5.58	6.82	5.55	5.49
talk.v.02	4.62	1.52	3.23	5.62
ask.v.01	3.73	3.03	4.77	3.25
promise.v.01	3.69	3.03	3.23	4.00
think.v.02	3.52	1.52	3.10	3.93
see.v.05	3.27	4.55	3.87	2.85
talk.v.01	3.19	1.52	2.45	3.73
total	100.00	100.00	100.00	100.00

TABLE S88. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 7

	g.	p.	i.	h.
$\mu(min\,depth)$	1.29	1.28	1.30	1.29
$\sigma(min\,depth)$	1.47	1.43	1.46	1.47
$\mu(max\,depth)$	1.29	1.28	1.30	1.29
$\sigma(max\,depth)$	1.47	1.43	1.46	1.48
$\mu(holonyms)$	0.00	0.00	0.00	0.00
$\sigma(holonyms)$	0.00	0.00	0.00	0.00
$\mu(meronyms)$	0.00	0.00	0.00	0.00
$\sigma(meronyms)$	0.00	0.00	0.00	0.00
$\mu(domains)$	0.03	0.03	0.03	0.03
$\sigma(domains)$	0.16	0.17	0.17	0.16
$\mu(similar)$	0.00	0.00	0.00	0.00
$\sigma(similar)$	0.00	0.00	0.00	0.00
$\mu(verb\,groups)$	0.46	0.48	0.47	0.46
$\sigma(verb\,groups)$	0.61	0.63	0.62	0.61
$\mu(lemmas)$	3.17	3.06	3.13	3.21
$\sigma(lemmas)$	2.17	1.97	2.11	2.22
$\mu(entailments)$	0.05	0.05	0.05	0.04
$\sigma(entailments)$	0.22	0.22	0.22	0.21
$\mu(hyponyms)$	16.81	16.53	16.79	16.86
$\sigma(hyponyms)$	42.18	44.95	42.75	41.54
$\mu(hypernyms)$	0.64	0.66	0.64	0.63
$\sigma(hypernyms)$	0.48	0.48	0.48	0.49

TABLE S89. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 7

	g.	**p.**	**i.**	**h.**
besides.r.02	17.62	21.43	17.63	17.25
well.r.01	11.29	12.34	11.32	11.18
truly.r.01	9.85	9.74	10.66	9.48
possibly.r.01	9.49	5.19	11.18	9.10
actually.r.01	7.85	1.30	6.05	9.35
still.r.01	7.21	7.14	7.37	7.14
however.r.01	7.13	8.44	6.71	7.20
probably.r.01	6.73	7.79	5.66	7.14
even.r.01	6.09	3.90	6.71	6.00
alternatively.r.01	5.81	11.69	4.87	5.69
right.r.01	5.57	5.19	6.05	5.37
already.r.01	5.37	5.84	5.79	5.12
total	100.00	100.00	100.00	100.00

TABLE S90. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 7

	g.	**p.**	**i.**	**h.**
$\mu(min\,depth)$	0.00	0.00	0.00	0.00
$\sigma(min\,depth)$	0.00	0.00	0.00	0.00
$\mu(max\,depth)$	0.00	0.00	0.00	0.00
$\sigma(max\,depth)$	0.00	0.00	0.00	0.00
$\mu(holonyms)$	0.00	0.00	0.00	0.00
$\sigma(holonyms)$	0.00	0.00	0.00	0.00
$\mu(meronyms)$	0.00	0.00	0.00	0.00
$\sigma(meronyms)$	0.00	0.00	0.00	0.00
$\mu(domains)$	0.10	0.10	0.09	0.11
$\sigma(domains)$	0.30	0.30	0.29	0.31
$\mu(similar)$	0.00	0.00	0.00	0.00
$\sigma(similar)$	0.00	0.00	0.00	0.00
$\mu(verb\,groups)$	0.00	0.00	0.00	0.00
$\sigma(verb\,groups)$	0.00	0.00	0.00	0.00
$\mu(lemmas)$	3.18	3.17	3.10	3.22
$\sigma(lemmas)$	2.16	2.12	2.12	2.18
$\mu(entailments)$	0.00	0.00	0.00	0.00
$\sigma(entailments)$	0.00	0.00	0.00	0.00
$\mu(hyponyms)$	0.00	0.00	0.00	0.00
$\sigma(hyponyms)$	0.00	0.00	0.00	0.00
$\mu(hypernyms)$	0.00	0.00	0.00	0.00
$\sigma(hypernyms)$	0.00	0.00	0.00	0.00

TABLE S91. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 7

	g.	p.	i.	h.
NOUN	34.96	34.00	35.52	34.88
X	0.54	0.18	0.29	0.74
ADP	10.26	10.55	10.48	10.08
DET	9.65	10.98	9.88	9.23
VERB	23.31	23.05	21.96	24.06
ADJ	4.91	4.96	5.11	4.80
ADV	5.56	5.36	5.77	5.50
PRT	3.11	3.00	2.88	3.25
PRON	4.71	4.77	4.79	4.66
NUM	0.73	0.76	0.81	0.69
CONJ	2.27	2.39	2.51	2.12
PUNC	0.00	0.00	0.00	0.00
N	60.30	60.79	60.61	60.03
ADJ	8.17	8.13	9.07	7.73
VERB	4.25	3.76	4.72	4.11
ADV	27.28	27.32	25.60	28.12
POS	30.76	32.38	31.61	30.02
POS!	91.53	91.10	93.73	90.56

TABLE S92. Percentage of synsets with each of the POS tags used by Wordnet. The last lines give the percentage of words considered from all of the tokens (POS) and from the words with synset (POS!). The tokens not considered are punctuations, unrecognized words, words without synsets, stopwords and words for which Wordnet has no synset tagged with POS tags . Values for each Erdös sectors are in the columns **p.** for periphery, **i.** for intermediary, **h.** for hubs. TAG: 8

	g.	p.	i.	h.
entity.n.01	100.00	100.00	100.00	100.00
total	100.00	100.00	100.00	100.00
abstraction.n.06	70.26	70.15	68.21	71.33
physical_entity.n.01	29.72	29.85	31.76	28.65
thing.n.08	0.02	0.00	0.03	0.02
total	100.00	100.00	100.00	100.00
measure.n.02	24.19	24.11	23.77	24.41
psychological_feature.n.01	18.88	19.12	17.72	19.42
object.n.01	16.64	15.95	17.77	16.23
communication.n.02	15.75	13.97	15.18	16.44
causal_agent.n.01	7.35	8.07	6.65	7.54
attribute.n.02	5.45	6.37	5.70	5.12
matter.n.03	4.48	4.71	6.12	3.60
group.n.01	3.28	3.72	3.24	3.20
relation.n.01	2.71	2.86	2.59	2.73
process.n.06	0.70	0.55	0.63	0.77
thing.n.12	0.55	0.57	0.60	0.52
whacker.n.01	0.02	0.00	0.03	0.02
total	100.00	100.00	100.00	100.00
definite_quantity.n.01	24.41	25.48	23.07	24.86
event.n.01	16.41	17.04	15.06	16.96
whole.n.02	16.02	15.51	17.11	15.58
message.n.02	8.80	7.89	7.14	9.85
person.n.01	8.57	9.48	7.72	8.80
cognition.n.01	5.62	5.42	5.49	5.73
written_communication.n.01	4.79	4.64	6.24	4.09
substance.n.01	4.66	4.60	6.24	3.87
state.n.02	3.17	3.44	3.42	2.99
location.n.01	3.03	2.65	3.15	3.06
fundamental_quantity.n.01	2.36	1.27	3.22	2.16
property.n.02	2.14	2.57	2.13	2.06
total	100.00	100.00	100.00	100.00

TABLE S93. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 8

	g.	**p.**	**i.**	**h.**
$\mu(min\,depth)$	6.79	6.67	6.76	6.84
$\sigma(min\,depth)$	1.61	1.60	1.63	1.60
$\mu(max\,depth)$	7.09	7.00	7.05	7.13
$\sigma(max\,depth)$	1.75	1.75	1.75	1.74
$\mu(holonyms)$	0.14	0.13	0.17	0.13
$\sigma(holonyms)$	0.59	0.59	0.59	0.58
$\mu(meronyms)$	0.47	0.40	0.53	0.46
$\sigma(meronyms)$	2.70	2.84	3.30	2.30
$\mu(domains)$	0.06	0.07	0.08	0.05
$\sigma(domains)$	0.27	0.27	0.30	0.25
$\mu(similar)$	0.00	0.00	0.00	0.00
$\sigma(similar)$	0.00	0.00	0.00	0.00
$\mu(verb\,groups)$	0.00	0.00	0.00	0.00
$\sigma(verb\,groups)$	0.00	0.00	0.00	0.00
$\mu(lemmas)$	3.19	3.11	3.20	3.21
$\sigma(lemmas)$	2.74	2.54	2.84	2.73
$\mu(entailments)$	0.00	0.00	0.00	0.00
$\sigma(entailments)$	0.00	0.00	0.00	0.00
$\mu(hyponyms)$	5.47	6.05	5.63	5.26
$\sigma(hyponyms)$	19.17	24.09	20.16	17.33
$\mu(hypernyms)$	1.04	1.04	1.04	1.03
$\sigma(hypernyms)$	0.21	0.23	0.22	0.20

TABLE S94. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 8

	g.	**p.**	**i.**	**h.**
like.a.01	15.59	26.07	18.23	13.12
new.a.01	13.01	13.27	22.03	9.34
capable.s.02	9.31	3.32	2.22	12.99
net.a.01	8.90	4.27	9.83	9.15
commercial.a.01	8.44	0.47	1.74	12.22
best.a.01	8.40	6.16	3.80	10.56
available.a.01	6.69	7.58	7.92	6.08
incorrect.a.01	6.49	9.95	6.50	6.01
certain.a.02	6.32	6.16	7.13	6.01
possible.a.01	6.32	7.58	6.81	5.95
last.s.01	5.61	7.58	7.61	4.54
correct.a.01	4.91	7.58	6.18	4.03
total	100.00	100.00	100.00	100.00

TABLE S95. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 8

	g.	**p.**	**i.**	**h.**
$\mu(min\,depth)$	0.00	0.00	0.00	0.00
$\sigma(min\,depth)$	0.00	0.00	0.00	0.00
$\mu(max\,depth)$	0.00	0.00	0.00	0.00
$\sigma(max\,depth)$	0.00	0.00	0.00	0.00
$\mu(holonyms)$	0.00	0.00	0.00	0.00
$\sigma(holonyms)$	0.00	0.00	0.00	0.00
$\mu(meronyms)$	0.00	0.00	0.00	0.00
$\sigma(meronyms)$	0.00	0.00	0.00	0.00
$\mu(domains)$	0.07	0.06	0.05	0.08
$\sigma(domains)$	0.25	0.23	0.22	0.27
$\mu(similar)$	5.30	5.52	5.30	5.24
$\sigma(similar)$	6.42	7.10	6.35	6.30
$\mu(verb\,groups)$	0.00	0.00	0.00	0.00
$\sigma(verb\,groups)$	0.00	0.00	0.00	0.00
$\mu(lemmas)$	1.75	1.76	1.74	1.77
$\sigma(lemmas)$	1.34	1.40	1.24	1.38
$\mu(entailments)$	0.00	0.00	0.00	0.00
$\sigma(entailments)$	0.00	0.00	0.00	0.00
$\mu(hyponyms)$	0.00	0.00	0.00	0.00
$\sigma(hyponyms)$	0.00	0.00	0.00	0.00
$\mu(hypernyms)$	0.00	0.00	0.00	0.00
$\sigma(hypernyms)$	0.00	0.00	0.00	0.00

TABLE S96. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 8

	g.	p.	i.	h.
mean.v.03	16.88	15.40	14.80	18.00
change.v.01	14.78	13.45	14.67	15.09
move.v.02	13.51	13.75	14.52	13.05
act.v.01	9.69	11.98	10.25	9.02
think.v.03	8.41	6.87	7.72	8.99
make.v.01	7.81	4.21	4.71	9.75
use.v.01	6.58	9.47	8.57	5.22
travel.v.01	6.25	9.17	6.47	5.58
make.v.03	5.35	6.35	6.64	4.64
express.v.02	3.84	2.48	3.55	4.22
change.v.02	3.51	3.16	4.61	3.14
be.v.01	3.40	3.72	3.48	3.30
total	100.00	100.00	100.00	100.00
denote.v.02	26.67	26.83	24.69	27.36
transmit.v.04	13.40	13.48	12.44	13.73
automatize.v.02	13.32	13.42	12.34	13.66
evaluate.v.02	10.74	8.51	10.30	11.28
interact.v.01	10.20	12.70	12.16	9.07
state.v.01	6.07	4.32	5.92	6.42
see.v.01	4.34	3.08	4.37	4.54
put.v.01	3.52	4.38	3.60	3.34
keep.v.03	3.25	4.91	3.16	3.00
change_magnitude.v.01	2.95	3.14	4.71	2.28
construct.v.01	2.80	3.08	3.13	2.64
label.v.01	2.74	2.16	3.16	2.69
total	100.00	100.00	100.00	100.00
name.v.02	37.34	36.32	33.81	38.85
send.v.02	18.69	18.25	16.91	19.44
communicate.v.02	13.36	16.65	15.80	11.85
think.v.01	6.12	3.54	5.82	6.69
increase.v.01	4.07	4.25	6.41	3.15
expect.v.01	3.96	2.04	2.51	4.84
name.v.01	3.84	2.92	4.33	3.82
store.v.01	2.94	4.34	3.10	2.63
run.v.01	2.88	3.28	3.36	2.63
coincide.v.01	2.47	3.54	2.93	2.10
repair.v.01	2.23	1.86	2.17	2.33
write.v.01	2.10	3.01	2.85	1.66
total	100.00	100.00	100.00	100.00
enumerate.v.01	45.19	42.14	42.75	46.63
mail.v.01	22.62	21.17	21.37	23.34
inform.v.01	10.39	11.72	11.65	9.70
add.v.01	4.23	4.52	6.44	3.39
see.v.05	3.51	1.34	2.09	4.42
roll_up.v.02	3.00	4.93	2.69	2.75
overlap.v.01	2.99	4.11	3.71	2.52
write.v.02	2.13	3.80	2.95	1.53
record.v.01	1.90	2.47	1.50	1.93
propose.v.01	1.55	1.13	1.93	1.49
talk.v.02	1.27	1.13	1.40	1.24
believe.v.01	1.22	1.54	1.50	1.05
total	100.00	100.00	100.00	100.00

TABLE S97. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 8

	g.	p.	i.	h.
$\mu(min\,depth)$	1.66	1.67	1.55	1.71
$\sigma(min\,depth)$	1.61	1.65	1.60	1.60
$\mu(max\,depth)$	1.66	1.67	1.56	1.71
$\sigma(max\,depth)$	1.61	1.65	1.61	1.61
$\mu(holonyms)$	0.00	0.00	0.00	0.00
$\sigma(holonyms)$	0.00	0.00	0.00	0.00
$\mu(meronyms)$	0.00	0.00	0.00	0.00
$\sigma(meronyms)$	0.00	0.00	0.00	0.00
$\mu(domains)$	0.02	0.02	0.02	0.01
$\sigma(domains)$	0.12	0.14	0.12	0.12
$\mu(similar)$	0.00	0.00	0.00	0.00
$\sigma(similar)$	0.00	0.00	0.00	0.00
$\mu(verb\,groups)$	0.38	0.35	0.36	0.39
$\sigma(verb\,groups)$	0.58	0.58	0.57	0.58
$\mu(lemmas)$	2.95	3.01	2.96	2.93
$\sigma(lemmas)$	1.94	1.96	1.91	1.95
$\mu(entailments)$	0.04	0.05	0.04	0.04
$\sigma(entailments)$	0.20	0.21	0.20	0.19
$\mu(hyponyms)$	12.10	10.44	13.22	11.94
$\sigma(hyponyms)$	37.95	26.92	38.97	39.44
$\mu(hypernyms)$	0.70	0.72	0.66	0.71
$\sigma(hypernyms)$	0.46	0.45	0.48	0.45

TABLE S98. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 8

	g.	**p.**	**i.**	**h.**
besides.r.02	14.16	19.02	15.04	12.71
presently.r.02	9.71	4.39	18.44	5.30
still.r.01	9.41	9.76	10.47	8.68
well.r.01	9.36	10.73	9.44	9.05
truly.r.01	8.90	7.80	8.11	9.60
however.r.01	7.89	8.78	5.60	9.14
even.r.01	7.89	8.78	9.44	6.76
possibly.r.01	7.79	10.24	5.90	8.50
already.r.01	6.83	6.34	4.87	8.14
alternatively.r.01	6.32	4.39	4.57	7.77
far.r.01	5.87	4.39	3.10	7.86
probably.r.01	5.87	5.37	5.01	6.49
total	100.00	100.00	100.00	100.00

TABLE S99. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 8

	g.	**p.**	**i.**	**h.**
$\mu(min\,depth)$	0.00	0.00	0.00	0.00
$\sigma(min\,depth)$	0.00	0.00	0.00	0.00
$\mu(max\,depth)$	0.00	0.00	0.00	0.00
$\sigma(max\,depth)$	0.00	0.00	0.00	0.00
$\mu(holonyms)$	0.00	0.00	0.00	0.00
$\sigma(holonyms)$	0.00	0.00	0.00	0.00
$\mu(meronyms)$	0.00	0.00	0.00	0.00
$\sigma(meronyms)$	0.00	0.00	0.00	0.00
$\mu(domains)$	0.09	0.06	0.09	0.09
$\sigma(domains)$	0.28	0.24	0.29	0.28
$\mu(similar)$	0.00	0.00	0.00	0.00
$\sigma(similar)$	0.00	0.00	0.00	0.00
$\mu(verb\,groups)$	0.00	0.00	0.00	0.00
$\sigma(verb\,groups)$	0.00	0.00	0.00	0.00
$\mu(lemmas)$	3.13	3.19	3.02	3.19
$\sigma(lemmas)$	2.16	2.27	2.05	2.20
$\mu(entailments)$	0.00	0.00	0.00	0.00
$\sigma(entailments)$	0.00	0.00	0.00	0.00
$\mu(hyponyms)$	0.00	0.00	0.00	0.00
$\sigma(hyponyms)$	0.00	0.00	0.00	0.00
$\mu(hypernyms)$	0.00	0.00	0.00	0.00
$\sigma(hypernyms)$	0.00	0.00	0.00	0.00

TABLE S100. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 8

	g.	p.	i.	h.
NOUN	25.97	30.18	27.02	24.16
X	0.29	0.12	0.50	0.14
ADP	11.96	11.00	11.61	12.47
DET	11.77	11.82	11.83	11.70
VERB	23.38	22.26	22.82	24.12
ADJ	6.19	5.41	5.89	6.62
ADV	6.92	5.85	6.76	7.29
PRT	3.89	3.41	3.87	4.01
PRON	6.09	5.74	6.02	6.23
NUM	0.80	1.49	0.76	0.71
CONJ	2.74	2.74	2.91	2.58
PUNC	0.00	0.00	0.00	0.00
N	53.26	59.31	54.09	51.16
ADJ	12.01	9.40	11.46	13.09
VERB	6.71	4.65	6.50	7.35
ADV	28.02	26.64	27.95	28.40
POS	35.30	32.75	34.04	37.24
POS!	95.26	94.71	94.50	96.11

TABLE S101. Percentage of synsets with each of the POS tags used by Wordnet. The last lines give the percentage of words considered from all of the tokens (POS) and from the words with synset (POS!). The tokens not considered are punctuations, unrecognized words, words without synsets, stopwords and words for which Wordnet has no synset tagged with POS tags . Values for each Erdös sectors are in the columns **p.** for periphery, **i.** for intermediary, **h.** for hubs. TAG: 9

	g.	p.	i.	h.
entity.n.01	100.00	100.00	100.00	100.00
total	100.00	100.00	100.00	100.00
abstraction.n.06	68.64	68.31	68.58	68.79
physical_entity.n.01	31.36	31.69	31.42	31.21
total	100.00	100.00	100.00	100.00
psychological_feature.n.01	21.97	20.95	20.52	23.67
communication.n.02	15.14	16.03	15.46	14.60
object.n.01	15.13	15.79	14.55	15.52
measure.n.02	13.37	18.24	14.74	10.77
attribute.n.02	8.48	6.01	7.99	9.61
causal_agent.n.01	8.10	8.84	8.20	7.82
group.n.01	5.78	3.73	5.82	6.25
relation.n.01	3.90	3.35	4.05	3.89
matter.n.03	3.71	3.53	4.51	2.97
thing.n.12	3.45	2.30	3.04	4.16
process.n.06	0.96	1.23	1.12	0.74
set.n.02	0.01	0.00	0.01	0.01
total	100.00	100.00	100.00	100.00
event.n.01	17.21	15.73	17.26	17.56
whole.n.02	15.06	13.77	14.67	15.78
definite_quantity.n.01	14.03	19.81	16.12	10.44
cognition.n.01	11.20	9.88	9.67	13.06
person.n.01	10.39	10.46	10.67	10.09
message.n.02	8.26	9.49	7.51	8.67
part.n.03	4.30	2.84	3.76	5.21
message.n.01	4.24	3.89	5.24	3.34
state.n.02	4.09	3.50	3.82	4.51
written_communication.n.01	3.89	4.53	3.89	3.72
location.n.01	3.71	4.22	3.44	3.84
property.n.02	3.62	1.88	3.95	3.78
total	100.00	100.00	100.00	100.00

TABLE S102. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 9

	g.	**p.**	**i.**	**h.**
$\mu(min\,depth)$	6.23	6.42	6.16	6.25
$\sigma(min\,depth)$	1.74	1.72	1.72	1.77
$\mu(max\,depth)$	6.54	6.74	6.49	6.54
$\sigma(max\,depth)$	1.91	1.86	1.88	1.94
$\mu(holonyms)$	0.16	0.14	0.16	0.17
$\sigma(holonyms)$	0.69	0.58	0.72	0.68
$\mu(meronyms)$	0.30	0.45	0.28	0.28
$\sigma(meronyms)$	2.05	4.02	1.59	1.67
$\mu(domains)$	0.08	0.07	0.08	0.07
$\sigma(domains)$	0.27	0.27	0.28	0.26
$\mu(similar)$	0.00	0.00	0.00	0.00
$\sigma(similar)$	0.00	0.00	0.00	0.00
$\mu(verb\,groups)$	0.00	0.00	0.00	0.00
$\sigma(verb\,groups)$	0.00	0.00	0.00	0.00
$\mu(lemmas)$	2.80	2.96	2.85	2.71
$\sigma(lemmas)$	2.54	2.64	2.57	2.48
$\mu(entailments)$	0.00	0.00	0.00	0.00
$\sigma(entailments)$	0.00	0.00	0.00	0.00
$\mu(hyponyms)$	8.55	7.02	9.17	8.33
$\sigma(hyponyms)$	28.89	21.03	34.08	24.70
$\mu(hypernyms)$	1.03	1.03	1.03	1.02
$\sigma(hypernyms)$	0.17	0.17	0.19	0.16

TABLE S103. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 9

	g.	**p.**	**i.**	**h.**
like.a.01	21.86	21.85	22.03	21.73
new.a.01	12.41	17.88	10.15	13.28
different.a.01	8.29	7.28	9.08	7.85
individual.a.01	7.60	3.97	6.01	9.36
good.a.01	6.97	2.65	6.94	7.65
current.a.01	6.76	5.96	6.94	6.74
multiple.a.01	6.44	10.60	6.68	5.63
many.a.01	6.23	6.62	5.34	6.84
able.a.01	6.23	5.96	8.41	4.63
certain.a.02	5.97	5.30	6.68	5.53
first.a.01	5.81	7.95	6.54	4.93
possible.a.01	5.44	3.97	5.21	5.84
total	100.00	100.00	100.00	100.00

TABLE S104. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 9

	g.	**p.**	**i.**	**h.**
$\mu(min\,depth)$	0.00	0.00	0.00	0.00
$\sigma(min\,depth)$	0.00	0.00	0.00	0.00
$\mu(max\,depth)$	0.00	0.00	0.00	0.00
$\sigma(max\,depth)$	0.00	0.00	0.00	0.00
$\mu(holonyms)$	0.00	0.00	0.00	0.00
$\sigma(holonyms)$	0.00	0.00	0.00	0.00
$\mu(meronyms)$	0.00	0.00	0.00	0.00
$\sigma(meronyms)$	0.00	0.00	0.00	0.00
$\mu(domains)$	0.05	0.06	0.05	0.06
$\sigma(domains)$	0.22	0.24	0.21	0.23
$\mu(similar)$	5.78	5.49	5.46	6.09
$\sigma(similar)$	6.78	6.45	6.55	7.00
$\mu(verb\,groups)$	0.00	0.00	0.00	0.00
$\sigma(verb\,groups)$	0.00	0.00	0.00	0.00
$\mu(lemmas)$	1.65	1.71	1.63	1.66
$\sigma(lemmas)$	1.29	1.38	1.24	1.31
$\mu(entailments)$	0.00	0.00	0.00	0.00
$\sigma(entailments)$	0.00	0.00	0.00	0.00
$\mu(hyponyms)$	0.00	0.00	0.00	0.00
$\sigma(hyponyms)$	0.00	0.00	0.00	0.00
$\mu(hypernyms)$	0.00	0.00	0.00	0.00
$\sigma(hypernyms)$	0.00	0.00	0.00	0.00

TABLE S105. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 9

	g.	p.	i.	h.
act.v.01	14.31	13.78	15.15	13.62
move.v.02	12.19	15.73	12.34	11.29
use.v.01	10.82	10.71	10.43	11.22
think.v.03	9.83	7.82	10.82	9.31
travel.v.01	8.47	10.12	8.51	8.08
make.v.03	8.40	9.18	8.19	8.42
change.v.01	7.54	5.78	6.83	8.60
get.v.01	6.71	7.82	7.76	5.47
be.v.01	5.80	4.51	5.36	6.49
connect.v.01	5.41	7.31	5.51	4.91
change.v.02	5.26	4.34	4.61	6.08
express.v.02	5.26	2.89	4.48	6.51
total	100.00	100.00	100.00	100.00
interact.v.01	21.83	17.88	23.08	21.48
evaluate.v.02	16.87	13.83	17.79	16.65
state.v.01	11.22	5.73	9.15	14.73
send.v.01	10.56	17.37	9.85	9.66
put.v.01	5.78	5.06	6.70	4.99
see.v.01	5.65	5.06	5.45	6.01
receive.v.01	5.17	8.09	7.40	2.13
change_magnitude.v.01	4.80	2.87	3.85	6.26
construct.v.01	4.58	6.75	4.55	4.09
look.v.02	4.57	5.90	3.89	4.95
keep.v.03	4.53	8.60	4.63	3.44
label.v.01	4.42	2.87	3.66	5.61
total	100.00	100.00	100.00	100.00
communicate.v.02	32.59	33.12	34.16	30.88
think.v.01	14.92	11.90	15.94	14.45
increase.v.01	6.87	5.47	5.53	8.52
name.v.01	6.87	5.47	5.59	8.46
run.v.01	5.93	10.61	6.98	3.95
write.v.01	5.82	3.22	6.31	5.81
convey.v.03	5.18	4.18	4.81	5.74
declare.v.01	4.81	4.50	3.61	6.11
attach.v.03	4.76	7.72	4.09	4.88
expect.v.01	4.31	6.11	4.45	3.83
save.v.02	4.06	5.79	4.99	2.78
supply.v.01	3.87	1.93	3.55	4.57
total	100.00	100.00	100.00	100.00
inform.v.01	33.52	29.72	36.75	31.06
add.v.01	10.38	5.19	8.48	13.53
adhere.v.06	8.18	11.32	7.12	8.55
communicate.v.01	8.13	5.66	7.64	9.20
record.v.01	6.98	8.49	8.69	4.87
talk.v.02	6.46	4.72	4.19	9.20
propose.v.01	5.16	2.83	4.29	6.60
address.v.01	4.69	3.77	6.39	3.14
barricade.v.01	4.45	7.55	3.35	4.87
ask.v.01	4.16	0.94	6.28	2.71
see.v.05	4.07	6.13	4.19	3.46
roll_up.v.02	3.83	13.68	2.62	2.81
total	100.00	100.00	100.00	100.00

TABLE S106. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 9

	g.	p.	i.	h.
$\mu(min\,depth)$	1.37	1.35	1.40	1.35
$\sigma(min\,depth)$	1.55	1.56	1.51	1.58
$\mu(max\,depth)$	1.37	1.35	1.40	1.35
$\sigma(max\,depth)$	1.55	1.56	1.51	1.58
$\mu(holonyms)$	0.00	0.00	0.00	0.00
$\sigma(holonyms)$	0.00	0.00	0.00	0.00
$\mu(meronyms)$	0.00	0.00	0.00	0.00
$\sigma(meronyms)$	0.00	0.00	0.00	0.00
$\mu(domains)$	0.02	0.02	0.03	0.02
$\sigma(domains)$	0.15	0.13	0.17	0.14
$\mu(similar)$	0.00	0.00	0.00	0.00
$\sigma(similar)$	0.00	0.00	0.00	0.00
$\mu(verb\,groups)$	0.46	0.45	0.46	0.46
$\sigma(verb\,groups)$	0.61	0.59	0.61	0.62
$\mu(lemmas)$	3.20	3.26	3.20	3.19
$\sigma(lemmas)$	2.13	2.20	2.14	2.11
$\mu(entailments)$	0.05	0.05	0.05	0.05
$\sigma(entailments)$	0.22	0.23	0.23	0.22
$\mu(hyponyms)$	14.72	12.97	14.35	15.43
$\sigma(hyponyms)$	36.91	33.11	35.99	38.45
$\mu(hypernyms)$	0.65	0.66	0.67	0.64
$\sigma(hypernyms)$	0.48	0.48	0.47	0.48

TABLE S107. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 9

	g.	**p.**	**i.**	**h.**
besides.r.02	13.43	18.69	15.97	10.86
truly.r.01	10.96	14.02	14.71	7.71
possibly.r.01	10.22	7.48	12.89	8.47
however.r.01	9.82	13.08	6.02	12.38
still.r.01	9.18	9.35	8.68	9.55
well.r.01	7.69	7.48	7.14	8.14
therefore.r.01	7.63	7.48	3.50	10.86
even.r.01	7.52	2.80	6.72	8.69
already.r.01	6.31	4.67	5.04	7.49
back.r.01	6.03	8.41	7.56	4.56
actually.r.01	5.63	1.87	5.88	5.86
probably.r.01	5.57	4.67	5.88	5.43
total	100.00	100.00	100.00	100.00

TABLE S108. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 9

	g.	**p.**	**i.**	**h.**
$\mu(min\,depth)$	0.00	0.00	0.00	0.00
$\sigma(min\,depth)$	0.00	0.00	0.00	0.00
$\mu(max\,depth)$	0.00	0.00	0.00	0.00
$\sigma(max\,depth)$	0.00	0.00	0.00	0.00
$\mu(holonyms)$	0.00	0.00	0.00	0.00
$\sigma(holonyms)$	0.00	0.00	0.00	0.00
$\mu(meronyms)$	0.00	0.00	0.00	0.00
$\sigma(meronyms)$	0.00	0.00	0.00	0.00
$\mu(domains)$	0.09	0.07	0.09	0.09
$\sigma(domains)$	0.29	0.26	0.29	0.29
$\mu(similar)$	0.00	0.00	0.00	0.00
$\sigma(similar)$	0.00	0.00	0.00	0.00
$\mu(verb\,groups)$	0.00	0.00	0.00	0.00
$\sigma(verb\,groups)$	0.00	0.00	0.00	0.00
$\mu(lemmas)$	3.28	3.25	3.21	3.34
$\sigma(lemmas)$	2.33	2.30	2.27	2.38
$\mu(entailments)$	0.00	0.00	0.00	0.00
$\sigma(entailments)$	0.00	0.00	0.00	0.00
$\mu(hyponyms)$	0.00	0.00	0.00	0.00
$\sigma(hyponyms)$	0.00	0.00	0.00	0.00
$\mu(hypernyms)$	0.00	0.00	0.00	0.00
$\sigma(hypernyms)$	0.00	0.00	0.00	0.00

TABLE S109. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 9

	g.	p.	i.	h.
NOUN	28.60	30.42	27.98	28.43
X	0.05	0.04	0.07	0.04
ADP	11.82	11.45	11.74	12.25
DET	11.30	11.11	11.54	10.98
VERB	21.46	20.87	21.61	21.60
ADJ	5.16	5.38	5.07	5.17
ADV	7.61	6.79	7.64	8.12
PRT	4.56	4.72	4.59	4.38
PRON	6.21	5.90	6.54	5.83
NUM	0.76	0.80	0.74	0.77
CONJ	2.47	2.51	2.48	2.43
PUNC	0.00	0.00	0.00	0.00
N	57.60	58.45	57.00	58.05
ADJ	9.54	9.85	9.48	9.40
VERB	6.26	5.58	6.39	6.51
ADV	26.61	26.12	27.12	26.03
POS	34.46	34.93	33.88	35.18
POS!	95.63	95.32	95.73	95.69

TABLE S110. Percentage of synsets with each of the POS tags used by Wordnet. The last lines give the percentage of words considered from all of the tokens (POS) and from the words with synset (POS!). The tokens not considered are punctuations, unrecognized words, words without synsets, stopwords and words for which Wordnet has no synset tagged with POS tags . Values for each Erdös sectors are in the columns **p.** for periphery, **i.** for intermediary, **h.** for hubs. TAG: 10

	g.	p.	i.	h.
entity.n.01	100.00	100.00	100.00	100.00
total	100.00	100.00	100.00	100.00
abstraction.n.06	64.44	64.64	64.55	64.13
physical_entity.n.01	35.56	35.36	35.45	35.87
total	100.00	100.00	100.00	100.00
communication.n.02	23.80	26.87	22.88	23.21
object.n.01	17.83	17.27	17.79	18.30
measure.n.02	14.59	12.71	15.22	14.83
psychological_feature.n.01	12.77	13.29	12.69	12.53
causal_agent.n.01	11.19	11.27	11.13	11.24
attribute.n.02	7.84	6.80	8.07	8.20
matter.n.03	5.26	5.15	5.32	5.24
group.n.01	3.51	3.36	3.55	3.56
relation.n.01	1.93	1.61	2.14	1.79
thing.n.12	0.72	1.07	0.59	0.70
process.n.06	0.55	0.59	0.62	0.40
total	100.00	100.00	100.00	100.00
whole.n.02	17.06	15.48	17.41	17.61
definite_quantity.n.01	14.89	12.93	15.28	15.62
message.n.02	13.79	15.27	13.08	13.92
person.n.01	12.92	12.95	13.09	12.59
event.n.01	10.06	9.74	10.35	9.78
written_communication.n.01	7.68	9.00	7.37	7.26
cognition.n.01	5.17	5.89	4.85	5.19
indication.n.01	4.45	4.52	4.61	4.14
state.n.02	4.32	4.02	4.53	4.18
location.n.01	3.42	4.12	3.06	3.56
substance.n.01	3.15	3.26	3.32	2.79
substance.n.07	3.09	2.82	3.05	3.37
total	100.00	100.00	100.00	100.00

TABLE S111. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 10

	g.	**p.**	**i.**	**h.**
$\mu(min\,depth)$	6.63	6.61	6.62	6.65
$\sigma(min\,depth)$	1.87	1.87	1.91	1.80
$\mu(max\,depth)$	7.01	6.99	7.01	7.02
$\sigma(max\,depth)$	2.06	2.05	2.10	2.00
$\mu(holonyms)$	0.13	0.11	0.14	0.14
$\sigma(holonyms)$	0.45	0.46	0.43	0.47
$\mu(meronyms)$	0.33	0.35	0.33	0.32
$\sigma(meronyms)$	2.19	2.70	1.91	2.25
$\mu(domains)$	0.09	0.11	0.09	0.09
$\sigma(domains)$	0.30	0.33	0.29	0.29
$\mu(similar)$	0.00	0.00	0.00	0.00
$\sigma(similar)$	0.00	0.00	0.00	0.00
$\mu(verb\,groups)$	0.00	0.00	0.00	0.00
$\sigma(verb\,groups)$	0.00	0.00	0.00	0.00
$\mu(lemmas)$	3.08	3.01	3.09	3.12
$\sigma(lemmas)$	2.64	2.55	2.60	2.77
$\mu(entailments)$	0.00	0.00	0.00	0.00
$\sigma(entailments)$	0.00	0.00	0.00	0.00
$\mu(hyponyms)$	7.83	8.00	7.92	7.57
$\sigma(hyponyms)$	29.36	30.48	29.36	28.54
$\mu(hypernyms)$	1.02	1.02	1.02	1.02
$\sigma(hypernyms)$	0.14	0.13	0.14	0.13

TABLE S112. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 10

	g.	**p.**	**i.**	**h.**
inactive.s.10	33.48	29.38	33.30	36.93
clean.a.01	18.31	16.38	18.28	19.85
like.a.01	9.31	9.88	9.75	8.11
public.a.01	8.60	20.38	5.60	4.77
new.a.01	5.89	4.25	6.09	6.77
able.a.01	4.68	4.00	5.15	4.39
certain.a.02	3.72	3.62	4.21	2.96
small.a.01	3.53	2.00	3.93	4.01
good.a.01	3.23	1.75	3.93	3.15
difficult.a.01	3.20	3.25	3.16	3.24
all_right.s.01	3.18	2.00	4.43	1.91
free.a.01	2.87	3.12	2.16	3.91
total	100.00	100.00	100.00	100.00

TABLE S113. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 10

	g.	**p.**	**i.**	**h.**
$\mu(min\,depth)$	0.00	0.00	0.00	0.00
$\sigma(min\,depth)$	0.00	0.00	0.00	0.00
$\mu(max\,depth)$	0.00	0.00	0.00	0.00
$\sigma(max\,depth)$	0.00	0.00	0.00	0.00
$\mu(holonyms)$	0.00	0.00	0.00	0.00
$\sigma(holonyms)$	0.00	0.00	0.00	0.00
$\mu(meronyms)$	0.00	0.00	0.00	0.00
$\sigma(meronyms)$	0.00	0.00	0.00	0.00
$\mu(domains)$	0.04	0.04	0.05	0.04
$\sigma(domains)$	0.20	0.20	0.21	0.18
$\mu(similar)$	5.86	5.80	5.81	6.00
$\sigma(similar)$	7.16	6.74	7.40	7.03
$\mu(verb\,groups)$	0.00	0.00	0.00	0.00
$\sigma(verb\,groups)$	0.00	0.00	0.00	0.00
$\mu(lemmas)$	1.98	1.84	2.05	1.96
$\sigma(lemmas)$	1.46	1.36	1.54	1.39
$\mu(entailments)$	0.00	0.00	0.00	0.00
$\sigma(entailments)$	0.00	0.00	0.00	0.00
$\mu(hyponyms)$	0.00	0.00	0.00	0.00
$\sigma(hyponyms)$	0.00	0.00	0.00	0.00
$\mu(hypernyms)$	0.00	0.00	0.00	0.00
$\sigma(hypernyms)$	0.00	0.00	0.00	0.00

TABLE S114. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 10

	g.	p.	i.	h.
travel.v.01	16.07	15.23	16.33	16.17
express.v.02	10.54	10.09	9.82	12.15
act.v.01	10.23	12.63	10.40	8.25
get.v.01	9.88	10.09	10.13	9.27
move.v.02	8.50	9.08	8.90	7.38
change.v.02	8.44	8.30	8.14	9.11
make.v.01	7.57	6.70	7.46	8.38
make.v.03	6.46	5.86	6.04	7.67
change.v.01	6.27	6.25	6.56	5.76
use.v.01	6.11	6.35	5.96	6.21
think.v.03	5.78	6.02	6.02	5.16
connect.v.01	4.14	3.42	4.24	4.48
total	100.00	100.00	100.00	100.00
state.v.01	22.33	21.63	20.99	25.17
interact.v.01	10.49	15.56	9.71	8.44
evaluate.v.02	9.91	9.21	10.64	9.10
put.v.01	9.26	9.42	9.41	8.86
change_shape.v.01	9.19	9.28	8.69	10.00
try.v.01	7.68	7.54	9.09	5.26
travel_rapidly.v.01	6.93	7.54	6.85	6.68
keep.v.03	5.93	4.82	6.10	6.40
construct.v.01	5.09	4.54	3.93	7.54
attach.v.01	5.00	3.42	5.03	6.02
see.v.01	4.20	3.14	4.79	3.89
look.v.02	3.98	3.91	4.76	2.65
total	100.00	100.00	100.00	100.00
note.v.01	25.81	24.05	23.92	30.48
communicate.v.02	14.48	21.74	13.56	10.93
start.v.14	13.60	13.13	13.04	14.95
run.v.01	10.35	10.82	10.27	10.14
install.v.01	5.98	7.01	6.54	4.24
think.v.01	5.49	5.01	6.18	4.60
increase.v.01	5.24	4.11	5.46	5.68
store.v.01	5.08	4.11	5.46	5.10
read.v.01	3.95	2.91	4.61	3.52
save.v.02	3.77	2.81	3.69	4.60
write.v.01	3.46	2.30	4.49	2.44
repair.v.01	2.77	2.00	2.77	3.31
total	100.00	100.00	100.00	100.00
inform.v.01	24.78	36.50	22.02	19.28
add.v.01	12.94	8.03	13.25	17.11
roll_up.v.02	12.71	9.00	13.69	14.22
record.v.01	10.58	6.81	10.08	15.42
operate.v.03	7.19	8.03	6.35	8.19
upgrade.v.01	6.56	6.33	7.23	5.30
overlap.v.01	6.15	7.54	6.46	4.10
write.v.07	4.54	3.65	5.48	3.37
address.v.01	4.03	4.62	4.49	2.41
post.v.01	3.97	1.95	5.26	3.13
mention.v.01	3.39	4.87	3.07	2.65
assume.v.01	3.16	2.68	2.63	4.82
total	100.00	100.00	100.00	100.00

TABLE S115. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 10

	g.	p.	i.	h.
$\mu(min\,depth)$	1.22	1.29	1.22	1.18
$\sigma(min\,depth)$	1.42	1.48	1.42	1.35
$\mu(max\,depth)$	1.22	1.29	1.22	1.18
$\sigma(max\,depth)$	1.42	1.49	1.43	1.35
$\mu(holonyms)$	0.00	0.00	0.00	0.00
$\sigma(holonyms)$	0.00	0.00	0.00	0.00
$\mu(meronyms)$	0.00	0.00	0.00	0.00
$\sigma(meronyms)$	0.00	0.00	0.00	0.00
$\mu(domains)$	0.02	0.02	0.02	0.02
$\sigma(domains)$	0.15	0.15	0.15	0.14
$\mu(similar)$	0.00	0.00	0.00	0.00
$\sigma(similar)$	0.00	0.00	0.00	0.00
$\mu(verb\,groups)$	0.49	0.48	0.49	0.50
$\sigma(verb\,groups)$	0.60	0.60	0.60	0.60
$\mu(lemmas)$	3.26	3.18	3.25	3.34
$\sigma(lemmas)$	2.13	2.05	2.15	2.16
$\mu(entailments)$	0.04	0.03	0.04	0.03
$\sigma(entailments)$	0.20	0.19	0.21	0.19
$\mu(hyponyms)$	20.99	19.92	21.28	21.20
$\sigma(hyponyms)$	45.55	43.98	46.33	45.20
$\mu(hypernyms)$	0.60	0.61	0.60	0.58
$\sigma(hypernyms)$	0.49	0.49	0.49	0.50

TABLE S116. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 10

	g.	**p.**	**i.**	**h.**
slowly.r.01	36.71	37.58	35.02	39.01
loose.r.01	20.37	21.13	19.57	21.25
besides.r.02	8.89	7.10	9.84	8.42
still.r.01	5.69	4.52	6.04	5.85
well.r.01	5.08	6.77	4.17	5.54
possibly.r.01	3.78	3.23	4.47	2.98
even.r.01	3.69	3.55	3.99	3.29
probably.r.01	3.51	3.39	3.38	3.80
already.r.01	3.42	3.23	3.93	2.67
truly.r.01	3.08	3.06	3.50	2.36
back.r.01	2.92	2.74	3.20	2.57
however.r.01	2.86	3.71	2.90	2.26
total	100.00	100.00	100.00	100.00

TABLE S117. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 10

	g.	**p.**	**i.**	**h.**
$\mu(min\,depth)$	0.00	0.00	0.00	0.00
$\sigma(min\,depth)$	0.00	0.00	0.00	0.00
$\mu(max\,depth)$	0.00	0.00	0.00	0.00
$\sigma(max\,depth)$	0.00	0.00	0.00	0.00
$\mu(holonyms)$	0.00	0.00	0.00	0.00
$\sigma(holonyms)$	0.00	0.00	0.00	0.00
$\mu(meronyms)$	0.00	0.00	0.00	0.00
$\sigma(meronyms)$	0.00	0.00	0.00	0.00
$\mu(domains)$	0.28	0.30	0.26	0.29
$\sigma(domains)$	0.45	0.46	0.44	0.46
$\mu(similar)$	0.00	0.00	0.00	0.00
$\sigma(similar)$	0.00	0.00	0.00	0.00
$\mu(verb\,groups)$	0.00	0.00	0.00	0.00
$\sigma(verb\,groups)$	0.00	0.00	0.00	0.00
$\mu(lemmas)$	3.15	3.17	3.18	3.09
$\sigma(lemmas)$	1.85	1.86	1.89	1.77
$\mu(entailments)$	0.00	0.00	0.00	0.00
$\sigma(entailments)$	0.00	0.00	0.00	0.00
$\mu(hyponyms)$	0.00	0.00	0.00	0.00
$\sigma(hyponyms)$	0.00	0.00	0.00	0.00
$\mu(hypernyms)$	0.00	0.00	0.00	0.00
$\sigma(hypernyms)$	0.00	0.00	0.00	0.00

TABLE S118. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 10

	g.	p.	i.	h.
NOUN	34.52	36.26	34.67	32.98
X	0.08	0.08	0.06	0.10
ADP	12.17	12.23	12.15	12.16
DET	9.19	9.05	9.42	9.03
VERB	18.87	18.54	18.68	19.35
ADJ	7.50	7.35	7.37	7.79
ADV	5.72	4.92	5.68	6.38
PRT	3.29	3.18	3.28	3.39
PRON	5.31	4.64	5.39	5.74
NUM	0.43	0.43	0.42	0.45
CONJ	2.91	3.31	2.89	2.63
PUNC	0.00	0.00	0.00	0.00
N	61.21	62.91	61.64	59.30
ADJ	12.95	12.33	12.75	13.71
VERB	4.44	3.75	4.40	5.06
ADV	21.39	21.01	21.21	21.94
POS	37.75	39.28	37.60	36.76
POS!	96.41	96.48	96.39	96.37

TABLE S119. Percentage of synsets with each of the POS tags used by Wordnet. The last lines give the percentage of words considered from all of the tokens (POS) and from the words with synset (POS!). The tokens not considered are punctuations, unrecognized words, words without synsets, stopwords and words for which Wordnet has no synset tagged with POS tags . Values for each Erdös sectors are in the columns **p.** for periphery, **i.** for intermediary, **h.** for hubs. TAG: 11

	g.	p.	i.	h.
entity.n.01	100.00	100.00	100.00	100.00
total	100.00	100.00	100.00	100.00
abstraction.n.06	67.58	67.90	67.50	67.42
physical_entity.n.01	32.42	32.10	32.50	32.58
total	100.00	100.00	100.00	100.00
object.n.01	20.38	19.87	20.39	20.83
psychological_feature.n.01	17.92	19.67	17.41	17.05
communication.n.02	17.31	16.28	17.61	17.82
measure.n.02	11.74	11.16	12.34	11.50
causal_agent.n.01	8.03	8.75	7.65	7.88
group.n.01	7.52	8.20	7.37	7.12
attribute.n.02	7.20	7.22	6.98	7.47
relation.n.01	5.88	5.36	5.79	6.44
matter.n.03	2.89	2.46	3.42	2.60
process.n.06	0.68	0.68	0.61	0.78
thing.n.12	0.43	0.34	0.44	0.49
set.n.02	0.01	0.01	0.01	0.01
total	100.00	100.00	100.00	100.00
event.n.01	14.98	16.86	14.47	13.98
whole.n.02	14.40	13.32	14.45	15.30
message.n.02	12.50	11.73	12.92	12.65
person.n.01	10.05	10.83	9.63	9.91
location.n.01	9.83	9.97	9.99	9.49
definite_quantity.n.01	9.43	8.77	10.13	9.13
cognition.n.01	7.68	7.85	7.66	7.57
state.n.02	5.20	4.81	5.10	5.68
social_group.n.01	4.59	5.53	4.45	3.93
written_communication.n.01	4.56	4.15	4.54	4.94
collection.n.01	3.39	3.10	3.37	3.67
part.n.01	3.38	3.07	3.30	3.75
total	100.00	100.00	100.00	100.00

TABLE S120. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 11

	g.	**p.**	**i.**	**h.**
$\mu(min\,depth)$	6.47	6.43	6.46	6.51
$\sigma(min\,depth)$	1.66	1.66	1.67	1.65
$\mu(max\,depth)$	6.77	6.75	6.77	6.80
$\sigma(max\,depth)$	1.81	1.81	1.82	1.80
$\mu(holonyms)$	0.24	0.22	0.24	0.24
$\sigma(holonyms)$	0.70	0.63	0.70	0.76
$\mu(meronyms)$	0.86	0.92	0.87	0.81
$\sigma(meronyms)$	3.82	4.46	3.86	3.08
$\mu(domains)$	0.05	0.05	0.05	0.05
$\sigma(domains)$	0.23	0.23	0.22	0.23
$\mu(similar)$	0.00	0.00	0.00	0.00
$\sigma(similar)$	0.00	0.00	0.00	0.00
$\mu(verb\,groups)$	0.00	0.00	0.00	0.00
$\sigma(verb\,groups)$	0.00	0.00	0.00	0.00
$\mu(lemmas)$	2.67	2.66	2.68	2.65
$\sigma(lemmas)$	2.11	2.06	2.13	2.12
$\mu(entailments)$	0.00	0.00	0.00	0.00
$\sigma(entailments)$	0.00	0.00	0.00	0.00
$\mu(hyponyms)$	8.82	8.77	9.01	8.62
$\sigma(hyponyms)$	28.63	26.47	30.75	27.62
$\mu(hypernyms)$	1.03	1.02	1.03	1.02
$\sigma(hypernyms)$	0.17	0.16	0.17	0.16

TABLE S121. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 11

	g.	**p.**	**i.**	**h.**
much.a.01	21.79	20.88	21.36	22.86
possible.a.01	20.44	20.17	20.52	20.53
apparent.s.01	18.12	17.78	18.31	18.14
annual.a.01	11.99	13.05	12.56	10.70
like.a.01	6.29	5.65	6.03	6.98
new.a.01	4.48	5.10	4.82	3.72
good.a.01	3.75	3.51	3.38	4.29
many.a.01	3.45	3.51	3.53	3.31
different.a.01	2.53	2.30	2.47	2.74
small.a.01	2.45	2.72	2.12	2.63
large.a.01	2.42	2.76	2.60	2.01
best.a.01	2.29	2.55	2.32	2.09
total	100.00	100.00	100.00	100.00

TABLE S122. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 11

	g.	**p.**	**i.**	**h.**
$\mu(min\,depth)$	0.00	0.00	0.00	0.00
$\sigma(min\,depth)$	0.00	0.00	0.00	0.00
$\mu(max\,depth)$	0.00	0.00	0.00	0.00
$\sigma(max\,depth)$	0.00	0.00	0.00	0.00
$\mu(holonyms)$	0.00	0.00	0.00	0.00
$\sigma(holonyms)$	0.00	0.00	0.00	0.00
$\mu(meronyms)$	0.00	0.00	0.00	0.00
$\sigma(meronyms)$	0.00	0.00	0.00	0.00
$\mu(domains)$	0.08	0.08	0.08	0.08
$\sigma(domains)$	0.28	0.28	0.28	0.27
$\mu(similar)$	5.04	5.08	4.99	5.05
$\sigma(similar)$	6.68	6.82	6.74	6.50
$\mu(verb\,groups)$	0.00	0.00	0.00	0.00
$\sigma(verb\,groups)$	0.00	0.00	0.00	0.00
$\mu(lemmas)$	1.91	1.86	1.91	1.94
$\sigma(lemmas)$	1.61	1.53	1.63	1.63
$\mu(entailments)$	0.00	0.00	0.00	0.00
$\sigma(entailments)$	0.00	0.00	0.00	0.00
$\mu(hyponyms)$	0.00	0.00	0.00	0.00
$\sigma(hyponyms)$	0.00	0.00	0.00	0.00
$\mu(hypernyms)$	0.00	0.00	0.00	0.00
$\sigma(hypernyms)$	0.00	0.00	0.00	0.00

TABLE S123. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 11

	g.	p.	i.	h.
satisfy.v.02	17.20	16.76	16.95	17.79
act.v.01	13.64	14.07	13.64	13.31
move.v.02	12.97	12.48	13.71	12.50
express.v.02	12.65	11.61	12.38	13.73
think.v.03	9.65	9.17	9.25	10.45
make.v.03	7.93	8.47	8.61	6.79
travel.v.01	6.00	6.02	6.11	5.86
change.v.01	4.60	4.92	4.39	4.61
use.v.01	4.49	4.82	4.20	4.58
get.v.01	4.31	4.54	3.96	4.53
be.v.01	3.34	3.52	3.60	2.91
change.v.02	3.22	3.61	3.21	2.94
total	100.00	100.00	100.00	100.00
please.v.01	26.13	26.57	25.60	26.42
state.v.01	19.18	18.32	18.67	20.35
interact.v.01	14.73	15.97	15.10	13.48
separate.v.02	11.66	11.15	11.76	11.88
evaluate.v.02	10.06	8.98	9.35	11.59
give.v.03	3.67	4.26	4.13	2.74
see.v.01	3.05	3.31	3.26	2.64
put.v.01	2.69	2.45	2.90	2.62
associate.v.01	2.34	2.65	2.38	2.08
take.v.01	2.22	1.94	2.07	2.57
create_verbally.v.01	2.21	2.42	2.71	1.51
create_by_mental_act.v.01	2.07	1.97	2.08	2.12
total	100.00	100.00	100.00	100.00
communicate.v.02	24.43	26.52	24.94	22.38
answer.v.01	22.11	20.56	21.93	23.40
cut.v.01	20.46	19.38	20.53	21.14
think.v.01	10.62	8.68	9.17	13.62
write.v.01	3.87	4.21	4.74	2.66
supply.v.01	3.84	5.35	3.83	2.79
declare.v.01	2.72	3.33	2.27	2.79
increase.v.01	2.63	2.98	2.52	2.51
expect.v.01	2.48	2.24	2.19	2.97
name.v.01	2.31	2.19	2.57	2.10
read.v.01	2.30	2.24	2.76	1.83
accept.v.01	2.24	2.32	2.55	1.83
total	100.00	100.00	100.00	100.00
pare.v.04	36.82	34.73	36.63	38.54
inform.v.01	23.29	26.93	22.88	21.17
talk.v.02	6.23	6.08	7.05	5.38
ask.v.01	6.10	4.76	6.65	6.43
see.v.05	4.41	4.11	3.30	5.91
talk.v.01	3.92	3.53	3.81	4.33
propose.v.01	3.78	4.27	3.35	3.92
communicate.v.01	3.33	3.28	3.55	3.10
add.v.01	3.27	3.61	3.55	2.69
believe.v.01	3.00	2.79	3.45	2.63
mention.v.01	3.00	2.55	3.15	3.16
record.v.01	2.86	3.37	2.64	2.75
total	100.00	100.00	100.00	100.00

TABLE S124. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 11

	g.	p.	i.	h.
$\mu(min\,depth)$	1.49	1.47	1.49	1.51
$\sigma(min\,depth)$	1.51	1.52	1.51	1.51
$\mu(max\,depth)$	1.49	1.47	1.49	1.51
$\sigma(max\,depth)$	1.51	1.52	1.51	1.51
$\mu(holonyms)$	0.00	0.00	0.00	0.00
$\sigma(holonyms)$	0.00	0.00	0.00	0.00
$\mu(meronyms)$	0.00	0.00	0.00	0.00
$\sigma(meronyms)$	0.00	0.00	0.00	0.00
$\mu(domains)$	0.02	0.02	0.03	0.02
$\sigma(domains)$	0.16	0.16	0.16	0.15
$\mu(similar)$	0.00	0.00	0.00	0.00
$\sigma(similar)$	0.00	0.00	0.00	0.00
$\mu(verb\,groups)$	0.44	0.43	0.44	0.46
$\sigma(verb\,groups)$	0.61	0.60	0.61	0.61
$\mu(lemmas)$	2.98	3.00	2.98	2.97
$\sigma(lemmas)$	1.91	1.95	1.94	1.85
$\mu(entailments)$	0.05	0.05	0.05	0.04
$\sigma(entailments)$	0.23	0.24	0.23	0.23
$\mu(hyponyms)$	11.03	10.45	11.20	11.29
$\sigma(hyponyms)$	27.32	24.56	27.27	29.36
$\mu(hypernyms)$	0.73	0.73	0.72	0.73
$\sigma(hypernyms)$	0.45	0.45	0.45	0.45

TABLE S125. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 11

	g.	**p.**	**i.**	**h.**
besides.r.02	18.89	23.51	18.95	15.89
well.r.01	13.26	13.32	12.18	14.40
truly.r.01	11.41	9.72	11.01	12.91
even.r.01	9.95	10.82	9.48	9.93
possibly.r.01	7.48	7.52	6.68	8.34
frequently.r.01	7.12	7.52	6.77	7.25
still.r.01	6.54	6.27	7.31	5.86
always.r.01	5.48	5.02	6.50	4.67
actually.r.01	5.45	4.39	5.69	5.86
back.r.01	4.98	3.76	6.68	3.87
reasonably.r.01	4.72	3.92	3.88	6.16
much.r.01	4.72	4.23	4.87	4.87
total	100.00	100.00	100.00	100.00

TABLE S126. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 11

	g.	**p.**	**i.**	**h.**
$\mu(min\,depth)$	0.00	0.00	0.00	0.00
$\sigma(min\,depth)$	0.00	0.00	0.00	0.00
$\mu(max\,depth)$	0.00	0.00	0.00	0.00
$\sigma(max\,depth)$	0.00	0.00	0.00	0.00
$\mu(holonyms)$	0.00	0.00	0.00	0.00
$\sigma(holonyms)$	0.00	0.00	0.00	0.00
$\mu(meronyms)$	0.00	0.00	0.00	0.00
$\sigma(meronyms)$	0.00	0.00	0.00	0.00
$\mu(domains)$	0.11	0.10	0.11	0.11
$\sigma(domains)$	0.31	0.30	0.31	0.31
$\mu(similar)$	0.00	0.00	0.00	0.00
$\sigma(similar)$	0.00	0.00	0.00	0.00
$\mu(verb\,groups)$	0.00	0.00	0.00	0.00
$\sigma(verb\,groups)$	0.00	0.00	0.00	0.00
$\mu(lemmas)$	3.08	3.12	3.06	3.08
$\sigma(lemmas)$	2.12	2.13	2.09	2.15
$\mu(entailments)$	0.00	0.00	0.00	0.00
$\sigma(entailments)$	0.00	0.00	0.00	0.00
$\mu(hyponyms)$	0.00	0.00	0.00	0.00
$\sigma(hyponyms)$	0.00	0.00	0.00	0.00
$\mu(hypernyms)$	0.00	0.00	0.00	0.00
$\sigma(hypernyms)$	0.00	0.00	0.00	0.00

TABLE S127. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 11

	g.	p.	i.	h.
NOUN	29.27	30.94	31.86	22.21
X	0.15	0.10	0.20	0.06
ADP	11.37	11.07	11.24	11.86
DET	11.12	11.35	10.51	12.36
VERB	21.58	21.08	20.67	24.01
ADJ	5.91	5.90	5.96	5.78
ADV	6.69	6.06	6.25	8.13
PRT	3.73	3.56	3.71	3.90
PRON	6.66	6.32	6.13	8.08
NUM	0.74	0.71	0.79	0.64
CONJ	2.78	2.90	2.67	2.97
PUNC	0.00	0.00	0.00	0.00
N	58.82	59.32	61.81	49.90
ADJ	10.62	10.44	10.17	12.06
VERB	5.06	4.85	4.38	7.16
ADV	25.50	25.39	23.64	30.89
POS	33.10	32.91	32.94	33.74
POS!	92.51	93.21	91.83	93.94

TABLE S128. Percentage of synsets with each of the POS tags used by Wordnet. The last lines give the percentage of words considered from all of the tokens (POS) and from the words with synset (POS!). The tokens not considered are punctuations, unrecognized words, words without synsets, stopwords and words for which Wordnet has no synset tagged with POS tags . Values for each Erdös sectors are in the columns **p.** for periphery, **i.** for intermediary, **h.** for hubs. TAG: 12

	g.	p.	i.	h.
entity.n.01	100.00	100.00	100.00	100.00
total	100.00	100.00	100.00	100.00
abstraction.n.06	67.07	63.83	68.09	66.42
physical_entity.n.01	32.93	36.17	31.91	33.58
total	100.00	100.00	100.00	100.00
measure.n.02	23.39	20.70	26.26	15.72
object.n.01	20.73	23.74	19.66	21.77
psychological_feature.n.01	19.61	19.51	18.79	22.61
communication.n.02	11.21	10.09	11.01	12.95
causal_agent.n.01	6.09	5.88	5.97	6.72
attribute.n.02	5.34	7.20	4.49	6.64
group.n.01	4.88	3.84	5.05	5.23
matter.n.03	4.80	5.47	4.92	3.75
relation.n.01	2.64	2.49	2.50	3.28
thing.n.12	0.72	0.51	0.80	0.63
process.n.06	0.59	0.57	0.55	0.72
total	100.00	100.00	100.00	100.00
definite_quantity.n.01	23.50	20.04	26.69	15.46
whole.n.02	18.79	20.41	18.02	19.99
event.n.01	15.09	14.01	15.57	14.40
cognition.n.01	8.76	8.83	7.45	13.37
person.n.01	6.45	6.43	6.11	7.70
location.n.01	5.82	6.79	5.37	6.47
message.n.02	5.50	5.34	5.07	7.20
substance.n.01	3.66	4.56	3.56	3.15
state.n.02	3.50	5.63	2.72	4.22
written_communication.n.01	3.44	3.16	3.33	4.07
fundamental_quantity.n.01	3.37	2.83	4.07	1.38
collection.n.01	2.14	1.95	2.06	2.58
total	100.00	100.00	100.00	100.00

TABLE S129. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 12

	g.	**p.**	**i.**	**h.**
$\mu(min\,depth)$	6.57	6.58	6.58	6.53
$\sigma(min\,depth)$	1.57	1.58	1.55	1.62
$\mu(max\,depth)$	6.82	6.85	6.82	6.79
$\sigma(max\,depth)$	1.67	1.70	1.64	1.72
$\mu(holonyms)$	0.14	0.13	0.15	0.13
$\sigma(holonyms)$	0.49	0.44	0.48	0.56
$\mu(meronyms)$	0.54	0.45	0.62	0.35
$\sigma(meronyms)$	3.03	2.20	3.49	1.54
$\mu(domains)$	0.09	0.10	0.09	0.09
$\sigma(domains)$	0.30	0.33	0.30	0.30
$\mu(similar)$	0.00	0.00	0.00	0.00
$\sigma(similar)$	0.00	0.00	0.00	0.00
$\mu(verb\,groups)$	0.00	0.00	0.00	0.00
$\sigma(verb\,groups)$	0.00	0.00	0.00	0.00
$\mu(lemmas)$	3.01	2.95	3.08	2.82
$\sigma(lemmas)$	2.66	2.52	2.69	2.64
$\mu(entailments)$	0.00	0.00	0.00	0.00
$\sigma(entailments)$	0.00	0.00	0.00	0.00
$\mu(hyponyms)$	8.18	8.64	7.58	9.90
$\sigma(hyponyms)$	28.40	30.73	25.60	34.79
$\mu(hypernyms)$	1.03	1.03	1.04	1.03
$\sigma(hypernyms)$	0.18	0.18	0.19	0.18

TABLE S130. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 12

	g.	**p.**	**i.**	**h.**
public.a.01	26.32	27.41	31.37	8.81
like.a.01	11.52	13.09	9.46	16.98
extra.s.03	11.32	9.88	14.06	3.56
new.a.01	8.75	8.89	7.73	11.95
certain.a.02	7.48	3.21	6.39	14.68
local.a.01	6.46	11.11	5.18	6.71
pale.s.02	6.01	4.94	5.30	9.22
different.a.01	5.35	4.20	5.05	7.34
all_right.s.01	5.27	3.70	5.05	7.34
possible.a.01	3.88	5.19	3.00	5.66
last.s.01	3.88	3.46	4.35	2.73
first.a.01	3.76	4.94	3.07	5.03
total	100.00	100.00	100.00	100.00

TABLE S131. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 12

	g.	**p.**	**i.**	**h.**
$\mu(min\,depth)$	0.00	0.00	0.00	0.00
$\sigma(min\,depth)$	0.00	0.00	0.00	0.00
$\mu(max\,depth)$	0.00	0.00	0.00	0.00
$\sigma(max\,depth)$	0.00	0.00	0.00	0.00
$\mu(holonyms)$	0.00	0.00	0.00	0.00
$\sigma(holonyms)$	0.00	0.00	0.00	0.00
$\mu(meronyms)$	0.00	0.00	0.00	0.00
$\sigma(meronyms)$	0.00	0.00	0.00	0.00
$\mu(domains)$	0.05	0.05	0.05	0.06
$\sigma(domains)$	0.22	0.22	0.22	0.23
$\mu(similar)$	5.38	5.13	5.37	5.57
$\sigma(similar)$	6.45	6.14	6.23	7.10
$\mu(verb\,groups)$	0.00	0.00	0.00	0.00
$\sigma(verb\,groups)$	0.00	0.00	0.00	0.00
$\mu(lemmas)$	1.77	1.75	1.75	1.83
$\sigma(lemmas)$	1.42	1.35	1.39	1.55
$\mu(entailments)$	0.00	0.00	0.00	0.00
$\sigma(entailments)$	0.00	0.00	0.00	0.00
$\mu(hyponyms)$	0.00	0.00	0.00	0.00
$\sigma(hyponyms)$	0.00	0.00	0.00	0.00
$\mu(hypernyms)$	0.00	0.00	0.00	0.00
$\sigma(hypernyms)$	0.00	0.00	0.00	0.00

TABLE S132. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 12

	g.	p.	i.	h.
move.v.02	14.42	19.11	15.52	9.34
act.v.01	13.71	13.95	13.32	14.40
travel.v.01	11.52	12.36	11.65	10.74
change.v.01	10.73	8.85	10.10	13.18
think.v.03	10.30	7.96	9.72	12.92
get.v.01	6.71	7.01	7.09	5.72
use.v.01	6.43	6.37	6.62	6.05
work.v.01	6.14	5.86	5.93	6.76
make.v.03	5.56	5.61	5.44	5.80
perceive.v.01	5.08	3.89	5.27	5.35
change.v.02	4.77	3.76	4.72	5.46
connect.v.01	4.63	5.29	4.62	4.28
total	100.00	100.00	100.00	100.00
evaluate.v.02	16.70	12.12	16.16	20.89
put.v.01	13.46	20.94	13.58	8.49
interact.v.01	11.53	10.71	10.96	13.37
try.v.01	10.66	12.12	10.77	9.47
send.v.01	7.71	8.24	9.09	4.13
state.v.01	7.52	6.59	7.00	9.32
travel_rapidly.v.01	7.23	6.71	6.84	8.49
see.v.01	6.78	4.47	6.80	8.19
look.v.02	4.90	4.47	4.97	5.03
establish.v.01	4.64	8.82	4.77	1.65
check.v.01	4.56	1.65	6.19	2.63
better.v.02	4.30	3.18	2.87	8.34
total	100.00	100.00	100.00	100.00
communicate.v.02	18.79	15.07	18.75	20.85
install.v.01	13.75	26.71	14.47	5.49
run.v.01	13.10	13.01	12.78	13.78
think.v.01	11.04	9.36	11.39	11.22
repair.v.01	7.68	5.94	5.30	13.41
rate.v.01	6.86	3.65	7.29	7.68
save.v.02	5.83	10.96	5.67	3.41
increase.v.01	5.38	3.42	4.82	7.56
expect.v.01	4.66	2.74	4.40	6.22
update.v.01	4.56	3.88	5.24	3.54
supply.v.01	4.53	1.60	6.33	2.44
test.v.01	3.81	3.65	3.56	4.39
total	100.00	100.00	100.00	100.00
inform.v.01	25.15	25.00	23.92	27.66
upgrade.v.01	14.71	7.29	15.73	16.49
record.v.01	12.96	25.00	12.63	7.45
add.v.01	10.67	7.81	9.27	14.89
configure.v.01	6.02	11.46	6.59	2.13
see.v.05	5.87	6.77	6.99	3.19
think.v.02	5.03	1.56	6.05	4.79
address.v.01	4.65	2.60	5.24	4.52
balance.v.01	4.42	3.65	4.57	4.52
ask.v.01	3.58	2.08	3.90	3.72
mention.v.01	3.51	4.69	2.15	5.59
propose.v.01	3.43	2.08	2.96	5.05
total	100.00	100.00	100.00	100.00

TABLE S133. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 12

	g.	p.	i.	h.
$\mu(min\,depth)$	1.26	1.26	1.26	1.28
$\sigma(min\,depth)$	1.38	1.35	1.37	1.42
$\mu(max\,depth)$	1.27	1.26	1.26	1.29
$\sigma(max\,depth)$	1.39	1.36	1.38	1.42
$\mu(holonyms)$	0.00	0.00	0.00	0.00
$\sigma(holonyms)$	0.00	0.00	0.00	0.00
$\mu(meronyms)$	0.00	0.00	0.00	0.00
$\sigma(meronyms)$	0.00	0.00	0.00	0.00
$\mu(domains)$	0.02	0.02	0.02	0.01
$\sigma(domains)$	0.12	0.13	0.12	0.11
$\mu(similar)$	0.00	0.00	0.00	0.00
$\sigma(similar)$	0.00	0.00	0.00	0.00
$\mu(verb\,groups)$	0.43	0.39	0.45	0.44
$\sigma(verb\,groups)$	0.60	0.56	0.61	0.60
$\mu(lemmas)$	3.18	3.10	3.20	3.17
$\sigma(lemmas)$	2.19	2.01	2.21	2.26
$\mu(entailments)$	0.04	0.03	0.04	0.04
$\sigma(entailments)$	0.20	0.19	0.20	0.20
$\mu(hyponyms)$	16.20	15.61	16.33	16.29
$\sigma(hyponyms)$	39.78	40.76	38.36	42.09
$\mu(hypernyms)$	0.66	0.72	0.66	0.64
$\sigma(hypernyms)$	0.49	0.53	0.48	0.48

TABLE S134. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 12

	g.	**p.**	**i.**	**h.**
besides.r.02	14.35	17.70	16.26	8.58
still.r.01	12.99	7.00	16.01	10.54
well.r.01	11.14	11.52	11.33	10.54
even.r.01	10.80	9.47	12.19	8.82
already.r.01	8.54	6.58	9.98	6.86
truly.r.01	8.00	11.52	5.67	10.54
back.r.01	7.18	6.58	6.28	9.31
possibly.r.01	6.49	7.82	5.05	8.58
yet.r.01	5.74	5.76	4.56	8.09
never.r.01	5.47	6.58	4.93	5.88
actually.r.01	4.99	5.76	4.06	6.37
right.r.01	4.31	3.70	3.69	5.88
total	100.00	100.00	100.00	100.00

TABLE S135. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 12

	g.	**p.**	**i.**	**h.**
$\mu(min\,depth)$	0.00	0.00	0.00	0.00
$\sigma(min\,depth)$	0.00	0.00	0.00	0.00
$\mu(max\,depth)$	0.00	0.00	0.00	0.00
$\sigma(max\,depth)$	0.00	0.00	0.00	0.00
$\mu(holonyms)$	0.00	0.00	0.00	0.00
$\sigma(holonyms)$	0.00	0.00	0.00	0.00
$\mu(meronyms)$	0.00	0.00	0.00	0.00
$\sigma(meronyms)$	0.00	0.00	0.00	0.00
$\mu(domains)$	0.11	0.09	0.11	0.12
$\sigma(domains)$	0.31	0.29	0.31	0.32
$\mu(similar)$	0.00	0.00	0.00	0.00
$\sigma(similar)$	0.00	0.00	0.00	0.00
$\mu(verb\,groups)$	0.00	0.00	0.00	0.00
$\sigma(verb\,groups)$	0.00	0.00	0.00	0.00
$\mu(lemmas)$	2.88	2.94	2.86	2.89
$\sigma(lemmas)$	2.03	1.95	2.07	2.00
$\mu(entailments)$	0.00	0.00	0.00	0.00
$\sigma(entailments)$	0.00	0.00	0.00	0.00
$\mu(hyponyms)$	0.00	0.00	0.00	0.00
$\sigma(hyponyms)$	0.00	0.00	0.00	0.00
$\mu(hypernyms)$	0.00	0.00	0.00	0.00
$\sigma(hypernyms)$	0.00	0.00	0.00	0.00

TABLE S136. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 12

	g.	p.	i.	h.
NOUN	51.86	63.77	48.31	37.37
X	0.08	0.14	0.02	0.07
ADP	7.25	5.23	7.86	9.69
DET	7.48	6.47	7.43	9.28
VERB	16.93	11.93	20.01	20.54
ADJ	3.97	3.37	3.83	5.18
ADV	4.02	2.41	4.45	6.05
PRT	3.17	3.98	2.37	3.05
PRON	3.16	1.29	3.64	5.55
NUM	0.43	0.30	0.38	0.74
CONJ	1.65	1.11	1.70	2.49
PUNC	0.00	0.00	0.00	0.00
N	72.75	76.89	72.91	66.57
ADJ	6.20	6.00	5.47	7.74
VERB	2.69	1.50	2.57	4.59
ADV	18.36	15.61	19.05	21.10
POS	32.92	32.94	31.48	35.64
POS!	91.50	83.74	96.82	95.23

TABLE S137. Percentage of synsets with each of the POS tags used by Wordnet. The last lines give the percentage of words considered from all of the tokens (POS) and from the words with synset (POS!). The tokens not considered are punctuations, unrecognized words, words without synsets, stopwords and words for which Wordnet has no synset tagged with POS tags . Values for each Erdös sectors are in the columns **p.** for periphery, **i.** for intermediary, **h.** for hubs. TAG: 13

	g.	p.	i.	h.
entity.n.01	100.00	100.00	100.00	100.00
total	100.00	100.00	100.00	100.00
abstraction.n.06	57.40	63.17	47.11	66.95
physical_entity.n.01	42.60	36.83	52.89	33.05
total	100.00	100.00	100.00	100.00
object.n.01	30.58	27.42	39.64	19.01
communication.n.02	19.60	29.26	13.77	14.52
psychological_feature.n.01	13.60	13.92	10.87	18.12
measure.n.02	10.72	9.76	6.99	19.17
causal_agent.n.01	8.79	5.77	10.33	10.90
group.n.01	5.87	2.08	10.01	4.45
attribute.n.02	4.27	5.42	2.91	4.89
relation.n.01	3.34	2.73	2.55	5.78
matter.n.03	2.06	1.89	2.18	2.13
process.n.06	0.72	0.82	0.64	0.70
thing.n.12	0.45	0.94	0.10	0.31
set.n.02	0.01	0.00	0.01	0.01
total	100.00	100.00	100.00	100.00
location.n.01	14.69	11.37	21.28	6.99
whole.n.02	13.43	14.72	14.49	9.17
message.n.02	12.27	23.57	5.05	8.06
definite_quantity.n.01	10.90	10.58	6.28	20.70
person.n.01	10.41	7.02	11.73	13.37
event.n.01	8.86	10.25	6.70	10.89
cognition.n.01	7.21	6.72	5.58	11.29
land.n.04	6.52	3.42	8.96	6.77
collection.n.01	5.78	1.66	10.00	4.11
written_communication.n.01	4.55	4.95	3.69	5.58
state.n.02	2.90	4.94	1.30	2.76
signal.n.01	2.48	0.81	4.94	0.31
total	100.00	100.00	100.00	100.00

TABLE S138. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 13

	g.	**p.**	**i.**	**h.**
$\mu(min\,depth)$	6.60	6.40	6.72	6.68
$\sigma(min\,depth)$	1.99	1.96	2.11	1.76
$\mu(max\,depth)$	6.95	6.64	7.15	7.09
$\sigma(max\,depth)$	2.28	2.19	2.42	2.10
$\mu(holonyms)$	0.17	0.10	0.24	0.17
$\sigma(holonyms)$	0.43	0.36	0.49	0.38
$\mu(meronyms)$	0.41	0.25	0.53	0.44
$\sigma(meronyms)$	1.38	1.12	1.47	1.57
$\mu(domains)$	0.12	0.13	0.12	0.10
$\sigma(domains)$	0.33	0.34	0.33	0.31
$\mu(similar)$	0.00	0.00	0.00	0.00
$\sigma(similar)$	0.00	0.00	0.00	0.00
$\mu(verb\,groups)$	0.00	0.00	0.00	0.00
$\sigma(verb\,groups)$	0.00	0.00	0.00	0.00
$\mu(lemmas)$	2.63	2.51	2.46	3.16
$\sigma(lemmas)$	2.30	2.30	2.02	2.66
$\mu(entailments)$	0.00	0.00	0.00	0.00
$\sigma(entailments)$	0.00	0.00	0.00	0.00
$\mu(hyponyms)$	6.67	5.95	7.21	6.85
$\sigma(hyponyms)$	21.70	19.05	22.92	23.36
$\mu(hypernyms)$	1.01	1.01	1.01	1.01
$\sigma(hypernyms)$	0.10	0.11	0.10	0.10

TABLE S139. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 13

	g.	**p.**	**i.**	**h.**
new.a.01	38.94	63.77	11.49	27.90
public.a.01	12.71	11.16	15.48	11.59
like.a.01	11.95	5.58	16.35	19.31
chief.s.01	5.34	1.46	12.61	1.93
variable.a.01	4.66	5.22	4.87	3.00
different.a.01	4.49	1.01	8.61	5.58
first.a.01	4.41	2.47	7.87	3.00
native.a.01	3.64	0.82	9.11	0.86
good.a.01	3.64	0.37	3.50	11.59
current.a.01	3.52	1.28	4.87	6.44
simple.a.01	3.39	1.83	3.87	6.22
multiple.a.01	3.31	5.03	1.37	2.58
total	100.00	100.00	100.00	100.00

TABLE S140. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 13

	g.	**p.**	**i.**	**h.**
$\mu(min\,depth)$	0.00	0.00	0.00	0.00
$\sigma(min\,depth)$	0.00	0.00	0.00	0.00
$\mu(max\,depth)$	0.00	0.00	0.00	0.00
$\sigma(max\,depth)$	0.00	0.00	0.00	0.00
$\mu(holonyms)$	0.00	0.00	0.00	0.00
$\sigma(holonyms)$	0.00	0.00	0.00	0.00
$\mu(meronyms)$	0.00	0.00	0.00	0.00
$\sigma(meronyms)$	0.00	0.00	0.00	0.00
$\mu(domains)$	0.05	0.03	0.06	0.05
$\sigma(domains)$	0.21	0.18	0.24	0.22
$\mu(similar)$	6.88	8.53	5.66	6.53
$\sigma(similar)$	6.97	7.48	5.79	7.31
$\mu(verb\,groups)$	0.00	0.00	0.00	0.00
$\sigma(verb\,groups)$	0.00	0.00	0.00	0.00
$\mu(lemmas)$	1.59	1.46	1.70	1.60
$\sigma(lemmas)$	1.20	0.96	1.34	1.24
$\mu(entailments)$	0.00	0.00	0.00	0.00
$\sigma(entailments)$	0.00	0.00	0.00	0.00
$\mu(hyponyms)$	0.00	0.00	0.00	0.00
$\sigma(hyponyms)$	0.00	0.00	0.00	0.00
$\mu(hypernyms)$	0.00	0.00	0.00	0.00
$\sigma(hypernyms)$	0.00	0.00	0.00	0.00

TABLE S141. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 13

	g.	p.	i.	h.
change.v.01	17.37	25.20	16.31	10.58
make.v.03	16.88	9.06	24.68	12.71
act.v.01	11.57	6.15	16.22	9.92
move.v.02	7.84	11.44	6.60	5.94
think.v.03	7.59	5.94	7.25	9.92
get.v.01	7.44	6.88	4.03	13.56
change.v.02	7.36	7.98	4.45	11.40
travel.v.01	7.09	9.55	5.20	7.48
use.v.01	5.71	5.76	5.66	5.74
have.v.01	4.72	5.57	5.01	3.33
make.v.01	3.30	2.22	2.33	6.03
necessitate.v.01	3.14	4.24	2.24	3.38
total	100.00	100.00	100.00	100.00
interact.v.01	15.01	8.83	19.84	10.76
construct.v.01	14.63	10.29	18.11	11.45
evaluate.v.02	11.66	10.76	10.31	14.95
end.v.02	10.16	2.26	17.67	2.17
keep.v.03	8.82	14.14	7.97	6.20
recover.v.01	7.59	10.42	1.67	16.60
put.v.01	6.93	10.36	5.88	6.20
modify.v.01	5.64	7.04	1.89	11.66
change_magnitude.v.01	5.57	9.96	3.23	6.52
see.v.01	5.10	2.92	6.52	4.14
travel_rapidly.v.01	4.45	9.10	2.40	4.67
state.v.01	4.43	3.92	4.51	4.67
total	100.00	100.00	100.00	100.00
communicate.v.02	24.34	12.18	30.82	21.59
decide.v.02	15.16	0.70	27.04	1.53
save.v.02	10.12	14.77	8.63	8.72
increase.v.01	8.74	13.77	4.84	12.87
think.v.01	7.54	4.39	6.08	14.61
run.v.01	7.42	13.67	3.79	9.60
arrange.v.01	5.01	7.98	3.83	4.69
salvage.v.01	4.61	7.78	3.21	4.58
supply.v.01	4.46	8.78	1.76	6.43
write.v.01	4.39	5.19	2.86	7.31
store.v.01	4.18	5.49	3.87	3.49
name.v.01	4.03	5.29	3.26	4.58
total	100.00	100.00	100.00	100.00
inform.v.01	35.56	17.18	48.60	23.52
record.v.01	18.25	27.06	15.64	15.30
add.v.01	13.78	19.74	8.22	20.84
string.v.01	8.74	14.44	6.70	7.65
roll_up.v.02	5.12	3.66	5.91	4.78
object.v.01	4.30	4.75	2.55	8.03
permit.v.01	2.71	3.66	2.31	2.68
propose.v.01	2.58	1.83	2.00	4.78
talk.v.02	2.32	1.28	2.31	3.44
see.v.05	2.32	1.65	2.08	3.63
communicate.v.01	2.28	3.84	1.76	1.91
ask.v.01	2.02	0.91	1.92	3.44
total	100.00	100.00	100.00	100.00

TABLE S142. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 13

	g.	p.	i.	h.
$\mu(min\,depth)$	1.38	1.21	1.52	1.34
$\sigma(min\,depth)$	1.46	1.32	1.55	1.42
$\mu(max\,depth)$	1.38	1.21	1.52	1.34
$\sigma(max\,depth)$	1.46	1.33	1.55	1.42
$\mu(holonyms)$	0.00	0.00	0.00	0.00
$\sigma(holonyms)$	0.00	0.00	0.00	0.00
$\mu(meronyms)$	0.00	0.00	0.00	0.00
$\sigma(meronyms)$	0.00	0.00	0.00	0.00
$\mu(domains)$	0.03	0.03	0.02	0.03
$\sigma(domains)$	0.16	0.18	0.14	0.16
$\mu(similar)$	0.00	0.00	0.00	0.00
$\sigma(similar)$	0.00	0.00	0.00	0.00
$\mu(verb\,groups)$	0.45	0.39	0.45	0.50
$\sigma(verb\,groups)$	0.58	0.55	0.60	0.59
$\mu(lemmas)$	3.20	3.23	3.17	3.21
$\sigma(lemmas)$	2.16	2.10	2.19	2.17
$\mu(entailments)$	0.03	0.03	0.02	0.04
$\sigma(entailments)$	0.17	0.18	0.16	0.20
$\mu(hyponyms)$	27.10	54.33	14.79	17.19
$\sigma(hyponyms)$	76.65	121.93	37.95	45.40
$\mu(hypernyms)$	0.69	0.64	0.72	0.69
$\sigma(hypernyms)$	0.47	0.49	0.46	0.47

TABLE S143. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 13

	g.	**p.**	**i.**	**h.**
besides.r.02	16.65	17.68	16.49	16.34
probably.r.01	9.32	3.31	8.11	13.12
possibly.r.01	9.21	8.29	10.81	8.17
alternatively.r.01	8.90	10.50	10.00	7.18
well.r.01	8.59	4.97	10.00	8.91
still.r.01	7.75	8.84	7.84	7.18
presently.r.02	7.33	8.84	7.84	6.19
truly.r.01	6.91	5.52	5.41	8.91
always.r.01	6.81	13.26	6.49	4.21
however.r.01	6.39	9.94	5.95	5.20
anyhow.r.01	6.28	2.21	6.49	7.92
even.r.01	5.86	6.63	4.59	6.68
total	100.00	100.00	100.00	100.00

TABLE S144. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 13

	g.	**p.**	**i.**	**h.**
$\mu(min\,depth)$	0.00	0.00	0.00	0.00
$\sigma(min\,depth)$	0.00	0.00	0.00	0.00
$\mu(max\,depth)$	0.00	0.00	0.00	0.00
$\sigma(max\,depth)$	0.00	0.00	0.00	0.00
$\mu(holonyms)$	0.00	0.00	0.00	0.00
$\sigma(holonyms)$	0.00	0.00	0.00	0.00
$\mu(meronyms)$	0.00	0.00	0.00	0.00
$\sigma(meronyms)$	0.00	0.00	0.00	0.00
$\mu(domains)$	0.08	0.04	0.09	0.08
$\sigma(domains)$	0.27	0.20	0.28	0.28
$\mu(similar)$	0.00	0.00	0.00	0.00
$\sigma(similar)$	0.00	0.00	0.00	0.00
$\mu(verb\,groups)$	0.00	0.00	0.00	0.00
$\sigma(verb\,groups)$	0.00	0.00	0.00	0.00
$\mu(lemmas)$	3.18	3.28	3.11	3.20
$\sigma(lemmas)$	2.13	2.15	2.10	2.13
$\mu(entailments)$	0.00	0.00	0.00	0.00
$\sigma(entailments)$	0.00	0.00	0.00	0.00
$\mu(hyponyms)$	0.00	0.00	0.00	0.00
$\sigma(hyponyms)$	0.00	0.00	0.00	0.00
$\mu(hypernyms)$	0.00	0.00	0.00	0.00
$\sigma(hypernyms)$	0.00	0.00	0.00	0.00

TABLE S145. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 13

	g.	p.	i.	h.
NOUN	29.30	30.40	29.72	28.53
X	0.13	0.16	0.18	0.07
ADP	11.88	12.01	11.98	11.72
DET	11.50	11.21	11.45	11.63
VERB	21.54	21.11	21.29	21.95
ADJ	6.24	6.13	6.10	6.44
ADV	6.11	5.53	5.98	6.40
PRT	3.43	3.46	3.51	3.32
PRON	6.15	6.21	6.17	6.10
NUM	1.01	1.10	0.90	1.12
CONJ	2.71	2.67	2.71	2.71
PUNC	0.00	0.00	0.00	0.00
N	58.38	59.08	58.29	58.34
ADJ	11.39	11.21	11.07	11.82
VERB	4.99	4.30	4.86	5.32
ADV	25.24	25.42	25.79	24.52
POS	38.17	37.32	38.53	37.95
POS!	94.99	94.67	94.86	95.23

TABLE S146. Percentage of synsets with each of the POS tags used by Wordnet. The last lines give the percentage of words considered from all of the tokens (POS) and from the words with synset (POS!). The tokens not considered are punctuations, unrecognized words, words without synsets, stopwords and words for which Wordnet has no synset tagged with POS tags . Values for each Erdös sectors are in the columns **p.** for periphery, **i.** for intermediary, **h.** for hubs. TAG: 14

	g.	p.	i.	h.
entity.n.01	100.00	100.00	100.00	100.00
total	100.00	100.00	100.00	100.00
abstraction.n.06	66.23	66.54	67.00	65.22
physical_entity.n.01	33.77	33.46	33.00	34.78
total	100.00	100.00	100.00	100.00
psychological_feature.n.01	18.98	19.22	18.88	19.04
object.n.01	17.78	16.34	16.61	19.53
communication.n.02	16.14	16.05	16.06	16.27
measure.n.02	14.57	14.98	14.85	14.13
causal_agent.n.01	12.10	13.25	12.76	11.04
group.n.01	6.50	6.80	6.84	6.03
attribute.n.02	6.49	5.93	6.82	6.22
relation.n.01	3.53	3.54	3.55	3.51
matter.n.03	3.16	3.00	2.99	3.40
process.n.06	0.44	0.52	0.37	0.49
thing.n.12	0.30	0.36	0.27	0.32
set.n.02	0.01	0.01	0.01	0.02
total	100.00	100.00	100.00	100.00
whole.n.02	15.33	14.93	13.38	17.72
event.n.01	15.17	15.21	15.76	14.45
person.n.01	14.91	16.30	15.82	13.49
definite_quantity.n.01	13.95	15.28	13.93	13.64
message.n.02	8.48	7.94	8.08	9.09
cognition.n.01	8.16	8.41	7.64	8.73
written_communication.n.01	5.48	4.11	5.87	5.36
location.n.01	5.11	3.48	5.48	5.05
state.n.02	4.35	3.89	4.68	4.06
substance.n.01	3.18	3.20	3.12	3.24
indication.n.01	2.99	4.28	2.89	2.81
social_group.n.01	2.89	2.97	3.33	2.35
total	100.00	100.00	100.00	100.00

TABLE S147. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 14

	g.	**p.**	**i.**	**h.**
$\mu(min\,depth)$	6.48	6.48	6.37	6.62
$\sigma(min\,depth)$	1.80	1.75	1.72	1.89
$\mu(max\,depth)$	6.93	6.97	6.85	7.03
$\sigma(max\,depth)$	2.10	2.12	2.08	2.12
$\mu(holonyms)$	0.14	0.14	0.12	0.16
$\sigma(holonyms)$	0.56	0.42	0.50	0.65
$\mu(meronyms)$	0.45	0.39	0.44	0.47
$\sigma(meronyms)$	2.74	2.32	2.83	2.73
$\mu(domains)$	0.08	0.08	0.09	0.07
$\sigma(domains)$	0.28	0.27	0.29	0.27
$\mu(similar)$	0.00	0.00	0.00	0.00
$\sigma(similar)$	0.00	0.00	0.00	0.00
$\mu(verb\,groups)$	0.00	0.00	0.00	0.00
$\sigma(verb\,groups)$	0.00	0.00	0.00	0.00
$\mu(lemmas)$	3.03	3.12	3.04	2.99
$\sigma(lemmas)$	2.55	2.60	2.60	2.48
$\mu(entailments)$	0.00	0.00	0.00	0.00
$\sigma(entailments)$	0.00	0.00	0.00	0.00
$\mu(hyponyms)$	11.02	11.19	11.84	9.99
$\sigma(hyponyms)$	43.82	45.47	46.53	39.85
$\mu(hypernyms)$	1.04	1.03	1.04	1.03
$\sigma(hypernyms)$	0.19	0.18	0.20	0.18

TABLE S148. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 14

	g.	**p.**	**i.**	**h.**
net.a.01	25.65	23.09	28.43	22.85
new.a.01	15.60	13.89	16.08	15.48
like.a.01	11.69	12.72	11.37	11.79
real.a.01	6.21	9.20	5.15	6.69
free.a.01	5.90	4.89	6.13	5.90
easy.a.01	5.63	5.68	6.35	4.71
honest.a.01	5.46	8.61	4.58	5.67
blunt.s.03	5.44	8.61	4.58	5.61
good.a.01	4.75	2.94	4.49	5.61
available.a.01	4.68	1.57	2.58	8.28
first.a.01	4.64	6.26	4.22	4.71
best.a.01	4.35	2.54	6.04	2.72
total	100.00	100.00	100.00	100.00

TABLE S149. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 14

	g.	**p.**	**i.**	**h.**
$\mu(min\,depth)$	0.00	0.00	0.00	0.00
$\sigma(min\,depth)$	0.00	0.00	0.00	0.00
$\mu(max\,depth)$	0.00	0.00	0.00	0.00
$\sigma(max\,depth)$	0.00	0.00	0.00	0.00
$\mu(holonyms)$	0.00	0.00	0.00	0.00
$\sigma(holonyms)$	0.00	0.00	0.00	0.00
$\mu(meronyms)$	0.00	0.00	0.00	0.00
$\sigma(meronyms)$	0.00	0.00	0.00	0.00
$\mu(domains)$	0.05	0.04	0.06	0.05
$\sigma(domains)$	0.23	0.20	0.24	0.22
$\mu(similar)$	5.76	5.10	5.73	5.94
$\sigma(similar)$	7.16	6.42	7.11	7.36
$\mu(verb\,groups)$	0.00	0.00	0.00	0.00
$\sigma(verb\,groups)$	0.00	0.00	0.00	0.00
$\mu(lemmas)$	1.87	2.00	1.87	1.84
$\sigma(lemmas)$	1.62	1.79	1.62	1.58
$\mu(entailments)$	0.00	0.00	0.00	0.00
$\sigma(entailments)$	0.00	0.00	0.00	0.00
$\mu(hyponyms)$	0.00	0.00	0.00	0.00
$\sigma(hyponyms)$	0.00	0.00	0.00	0.00
$\mu(hypernyms)$	0.00	0.00	0.00	0.00
$\sigma(hypernyms)$	0.00	0.00	0.00	0.00

TABLE S150. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 14

	g.	p.	i.	h.
act.v.01	13.24	12.54	12.23	14.75
think.v.03	9.91	7.84	10.19	10.06
change.v.01	9.20	7.91	9.56	9.06
move.v.02	9.05	10.87	8.30	9.58
travel.v.01	8.49	10.13	8.04	8.66
transfer.v.05	8.39	9.33	8.56	7.91
use.v.01	8.31	8.09	8.64	7.94
get.v.01	8.11	9.33	8.87	6.79
make.v.03	7.38	7.35	7.31	7.47
make.v.01	7.25	6.86	7.73	6.73
change.v.02	6.76	5.87	6.71	7.07
be.v.01	3.91	3.89	3.86	3.98
total	100.00	100.00	100.00	100.00
give.v.03	15.83	18.71	16.48	14.32
interact.v.01	15.63	16.23	14.88	16.42
evaluate.v.02	14.44	13.75	14.64	14.35
put.v.01	9.95	13.75	8.76	10.54
state.v.01	7.30	4.83	7.23	7.99
keep.v.03	6.67	5.58	6.82	6.75
change_magnitude.v.01	6.16	3.47	6.73	6.10
try.v.01	5.34	5.33	5.19	5.53
see.v.01	5.19	5.33	4.44	6.10
choose.v.01	4.60	3.59	5.31	3.94
attach.v.01	4.50	4.34	5.08	3.82
look.v.02	4.38	5.08	4.44	4.14
total	100.00	100.00	100.00	100.00
communicate.v.02	20.60	19.59	18.69	23.61
support.v.02	18.83	22.41	20.25	15.76
think.v.01	10.01	8.31	10.51	9.80
increase.v.01	8.60	4.39	9.06	9.20
save.v.02	7.72	5.96	7.86	8.04
install.v.01	7.58	10.19	6.14	8.87
read.v.01	5.79	7.68	4.98	6.38
run.v.01	5.11	4.70	4.30	6.38
write.v.01	5.02	3.45	6.11	3.93
name.v.01	4.12	6.11	3.91	3.84
compound.v.05	3.34	3.13	4.14	2.26
tag.v.01	3.27	4.08	4.04	1.94
total	100.00	100.00	100.00	100.00
sponsor.v.01	28.86	36.86	29.65	25.32
inform.v.01	22.59	23.71	19.66	26.87
add.v.01	11.91	6.19	12.17	13.14
record.v.01	11.83	9.79	11.51	12.92
integrate.v.01	5.12	5.15	6.06	3.64
code.v.01	3.41	3.87	4.22	2.00
script.v.01	3.04	3.09	3.93	1.63
propose.v.01	2.96	1.29	2.98	3.41
enumerate.v.01	2.81	1.80	3.03	2.75
see.v.05	2.81	3.61	2.94	2.38
upgrade.v.01	2.44	3.87	1.80	3.04
talk.v.01	2.21	0.77	2.04	2.90
total	100.00	100.00	100.00	100.00

TABLE S151. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 14

	g.	p.	i.	h.
$\mu(min\,depth)$	1.35	1.37	1.36	1.34
$\sigma(min\,depth)$	1.54	1.58	1.55	1.52
$\mu(max\,depth)$	1.35	1.37	1.36	1.34
$\sigma(max\,depth)$	1.54	1.58	1.55	1.53
$\mu(holonyms)$	0.00	0.00	0.00	0.00
$\sigma(holonyms)$	0.00	0.00	0.00	0.00
$\mu(meronyms)$	0.00	0.00	0.00	0.00
$\sigma(meronyms)$	0.00	0.00	0.00	0.00
$\mu(domains)$	0.04	0.04	0.04	0.03
$\sigma(domains)$	0.20	0.19	0.21	0.18
$\mu(similar)$	0.00	0.00	0.00	0.00
$\sigma(similar)$	0.00	0.00	0.00	0.00
$\mu(verb\,groups)$	0.44	0.44	0.43	0.44
$\sigma(verb\,groups)$	0.61	0.62	0.61	0.61
$\mu(lemmas)$	3.18	3.16	3.17	3.19
$\sigma(lemmas)$	2.06	2.03	2.04	2.10
$\mu(entailments)$	0.04	0.03	0.04	0.04
$\sigma(entailments)$	0.20	0.19	0.20	0.20
$\mu(hyponyms)$	14.65	14.39	14.83	14.48
$\sigma(hyponyms)$	37.28	34.28	38.20	36.80
$\mu(hypernyms)$	0.62	0.62	0.61	0.63
$\sigma(hypernyms)$	0.49	0.49	0.49	0.48

TABLE S152. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 14

	g.	**p.**	**i.**	**h.**
truly.r.01	17.78	31.18	17.15	15.99
besides.r.02	14.00	10.22	15.47	13.13
quickly.r.01	8.49	10.75	11.84	4.54
possibly.r.01	8.41	9.14	9.79	6.81
well.r.01	8.32	4.84	6.90	10.46
even.r.01	7.09	4.84	6.71	7.90
still.r.01	6.82	6.99	8.29	5.23
never.r.01	6.25	3.23	2.61	10.66
probably.r.01	5.94	4.84	5.03	7.11
however.r.01	5.85	5.91	4.94	6.81
already.r.01	5.59	2.69	5.68	6.02
back.r.01	5.46	5.38	5.59	5.33
total	100.00	100.00	100.00	100.00

TABLE S153. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 14

	g.	**p.**	**i.**	**h.**
$\mu(min\,depth)$	0.00	0.00	0.00	0.00
$\sigma(min\,depth)$	0.00	0.00	0.00	0.00
$\mu(max\,depth)$	0.00	0.00	0.00	0.00
$\sigma(max\,depth)$	0.00	0.00	0.00	0.00
$\mu(holonyms)$	0.00	0.00	0.00	0.00
$\sigma(holonyms)$	0.00	0.00	0.00	0.00
$\mu(meronyms)$	0.00	0.00	0.00	0.00
$\sigma(meronyms)$	0.00	0.00	0.00	0.00
$\mu(domains)$	0.09	0.10	0.08	0.11
$\sigma(domains)$	0.29	0.29	0.28	0.31
$\mu(similar)$	0.00	0.00	0.00	0.00
$\sigma(similar)$	0.00	0.00	0.00	0.00
$\mu(verb\,groups)$	0.00	0.00	0.00	0.00
$\sigma(verb\,groups)$	0.00	0.00	0.00	0.00
$\mu(lemmas)$	3.21	3.15	3.20	3.22
$\sigma(lemmas)$	2.15	2.05	2.05	2.27
$\mu(entailments)$	0.00	0.00	0.00	0.00
$\sigma(entailments)$	0.00	0.00	0.00	0.00
$\mu(hyponyms)$	0.00	0.00	0.00	0.00
$\sigma(hyponyms)$	0.00	0.00	0.00	0.00
$\mu(hypernyms)$	0.00	0.00	0.00	0.00
$\sigma(hypernyms)$	0.00	0.00	0.00	0.00

TABLE S154. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 14

	g.	p.	i.	h.
NOUN	25.34	33.50	26.86	22.62
X	0.24	0.18	0.23	0.26
ADP	12.27	10.35	12.54	12.52
DET	11.22	9.95	11.09	11.57
VERB	23.03	22.61	22.71	23.31
ADJ	6.58	5.26	6.33	7.02
ADV	8.11	6.23	7.42	8.93
PRT	3.29	2.92	3.26	3.39
PRON	6.56	5.72	5.98	7.10
NUM	0.68	0.83	0.79	0.57
CONJ	2.70	2.46	2.79	2.70
PUNC	0.00	0.00	0.00	0.00
N	51.05	60.24	53.37	47.14
ADJ	12.71	8.82	12.10	14.14
VERB	7.84	5.00	6.59	9.38
ADV	28.40	25.94	27.94	29.34
POS	32.17	29.25	32.55	32.79
POS!	93.96	88.38	93.86	95.61

TABLE S155. Percentage of synsets with each of the POS tags used by Wordnet. The last lines give the percentage of words considered from all of the tokens (POS) and from the words with synset (POS!). The tokens not considered are punctuations, unrecognized words, words without synsets, stopwords and words for which Wordnet has no synset tagged with POS tags . Values for each Erdös sectors are in the columns **p.** for periphery, **i.** for intermediary, **h.** for hubs. TAG: 15

	g.	p.	i.	h.
entity.n.01	100.00	100.00	100.00	100.00
total	100.00	100.00	100.00	100.00
abstraction.n.06	73.45	71.55	70.95	75.90
physical_entity.n.01	26.55	28.45	29.05	24.10
total	100.00	100.00	100.00	100.00
psychological_feature.n.01	23.46	16.03	21.65	27.28
measure.n.02	19.57	31.15	17.74	17.00
object.n.01	14.34	16.93	15.16	12.88
communication.n.02	14.12	11.11	14.83	14.62
attribute.n.02	9.10	7.23	10.04	9.05
causal_agent.n.01	5.67	4.94	6.50	5.32
matter.n.03	5.02	5.41	5.38	4.63
relation.n.01	3.60	3.09	3.30	3.98
group.n.01	3.59	2.92	3.38	3.96
process.n.06	0.79	0.46	0.98	0.75
thing.n.12	0.73	0.70	1.03	0.52
set.n.02	0.01	0.02	0.01	0.01
total	100.00	100.00	100.00	100.00
definite_quantity.n.01	19.37	34.05	17.30	15.71
event.n.01	14.98	10.01	14.46	17.12
cognition.n.01	13.37	8.75	11.82	16.12
whole.n.02	13.17	14.98	14.31	11.69
message.n.02	6.82	4.23	7.50	7.23
person.n.01	6.76	5.78	7.86	6.30
state.n.02	6.39	5.26	7.50	5.98
substance.n.01	5.49	5.47	5.93	5.16
written_communication.n.01	5.20	3.96	4.96	5.81
location.n.01	3.62	4.17	3.37	3.61
property.n.02	2.54	1.74	2.48	2.87
indication.n.01	2.30	1.60	2.50	2.40
total	100.00	100.00	100.00	100.00

TABLE S156. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 15

	g.	**p.**	**i.**	**h.**
$\mu(min\,depth)$	6.61	6.93	6.57	6.53
$\sigma(min\,depth)$	1.90	2.05	1.88	1.84
$\mu(max\,depth)$	6.88	7.16	6.87	6.78
$\sigma(max\,depth)$	1.99	2.07	1.98	1.96
$\mu(holonyms)$	0.15	0.18	0.16	0.12
$\sigma(holonyms)$	0.57	0.46	0.72	0.48
$\mu(meronyms)$	0.33	0.38	0.32	0.31
$\sigma(meronyms)$	1.68	1.93	1.78	1.50
$\mu(domains)$	0.06	0.06	0.06	0.05
$\sigma(domains)$	0.24	0.24	0.25	0.23
$\mu(similar)$	0.00	0.00	0.00	0.00
$\sigma(similar)$	0.00	0.00	0.00	0.00
$\mu(verb\,groups)$	0.00	0.00	0.00	0.00
$\sigma(verb\,groups)$	0.00	0.00	0.00	0.00
$\mu(lemmas)$	3.49	4.74	3.24	3.25
$\sigma(lemmas)$	3.41	4.88	2.98	2.98
$\mu(entailments)$	0.00	0.00	0.00	0.00
$\sigma(entailments)$	0.00	0.00	0.00	0.00
$\mu(hyponyms)$	7.41	5.97	7.89	7.56
$\sigma(hyponyms)$	25.78	24.60	28.10	24.36
$\mu(hypernyms)$	1.04	1.04	1.05	1.03
$\sigma(hypernyms)$	0.20	0.20	0.22	0.19

TABLE S157. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 15

	g.	**p.**	**i.**	**h.**
like.a.01	17.62	25.00	17.63	16.74
new.a.01	14.79	13.57	21.40	11.81
certain.a.02	8.54	7.14	7.91	9.01
standard.a.01	8.12	5.71	7.91	8.50
regretful.a.01	7.15	4.29	5.22	8.41
all_right.s.01	6.94	10.71	7.01	6.46
current.a.01	6.83	7.14	4.50	7.90
good.a.01	6.78	2.86	7.01	7.14
small.a.01	6.25	3.57	6.47	6.46
incorrect.a.01	5.87	9.29	4.32	6.20
particular.s.01	5.77	2.14	5.58	6.29
possible.a.01	5.34	8.57	5.04	5.10
total	100.00	100.00	100.00	100.00

TABLE S158. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 15

	g.	**p.**	**i.**	**h.**
$\mu(min\,depth)$	0.00	0.00	0.00	0.00
$\sigma(min\,depth)$	0.00	0.00	0.00	0.00
$\mu(max\,depth)$	0.00	0.00	0.00	0.00
$\sigma(max\,depth)$	0.00	0.00	0.00	0.00
$\mu(holonyms)$	0.00	0.00	0.00	0.00
$\sigma(holonyms)$	0.00	0.00	0.00	0.00
$\mu(meronyms)$	0.00	0.00	0.00	0.00
$\sigma(meronyms)$	0.00	0.00	0.00	0.00
$\mu(domains)$	0.07	0.05	0.07	0.07
$\sigma(domains)$	0.25	0.21	0.25	0.26
$\mu(similar)$	5.59	5.27	5.70	5.57
$\sigma(similar)$	6.75	6.85	6.92	6.64
$\mu(verb\,groups)$	0.00	0.00	0.00	0.00
$\sigma(verb\,groups)$	0.00	0.00	0.00	0.00
$\mu(lemmas)$	1.79	1.81	1.78	1.79
$\sigma(lemmas)$	1.52	1.46	1.57	1.51
$\mu(entailments)$	0.00	0.00	0.00	0.00
$\sigma(entailments)$	0.00	0.00	0.00	0.00
$\mu(hyponyms)$	0.00	0.00	0.00	0.00
$\sigma(hyponyms)$	0.00	0.00	0.00	0.00
$\mu(hypernyms)$	0.00	0.00	0.00	0.00
$\sigma(hypernyms)$	0.00	0.00	0.00	0.00

TABLE S159. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 15

	g.	p.	i.	h.
think.v.03	14.00	7.48	12.98	16.16
act.v.01	13.70	13.01	12.05	14.82
make.v.03	10.70	19.08	10.24	8.94
change.v.01	9.73	7.62	9.90	10.15
travel.v.01	9.63	9.51	9.67	9.63
use.v.01	8.51	7.69	8.17	8.91
change.v.02	6.97	6.00	6.17	7.67
move.v.02	6.30	6.88	6.50	6.04
be.v.01	5.85	5.39	6.59	5.54
make.v.01	5.09	3.91	5.49	5.15
include.v.01	4.98	10.72	7.52	2.13
express.v.02	4.53	2.70	4.72	4.85
total	100.00	100.00	100.00	100.00
evaluate.v.02	23.04	10.14	23.30	25.81
interact.v.01	16.83	17.03	15.93	17.22
state.v.01	8.87	5.41	10.43	8.90
change_magnitude.v.01	7.14	4.46	7.06	7.78
construct.v.01	7.08	28.51	4.37	3.60
create_verbally.v.01	6.15	3.11	6.75	6.54
put.v.01	5.88	7.57	7.25	4.84
see.v.01	5.76	5.41	5.93	5.75
look.v.02	5.01	4.59	4.93	5.14
better.v.02	4.96	3.24	4.75	5.45
check.v.01	4.80	4.86	3.69	5.33
keep.v.03	4.48	5.68	5.62	3.66
total	100.00	100.00	100.00	100.00
communicate.v.02	24.55	31.86	22.77	24.22
think.v.01	16.25	5.26	15.24	18.49
increase.v.01	10.21	8.31	9.97	10.62
write.v.01	9.44	6.37	10.16	9.60
test.v.01	6.31	5.82	5.36	6.84
repair.v.01	5.88	5.26	5.64	6.09
expect.v.01	5.44	4.43	5.74	5.47
name.v.01	4.87	9.70	4.99	4.04
run.v.01	4.71	9.14	4.33	4.18
declare.v.01	4.71	2.49	6.87	4.04
store.v.01	4.33	8.31	5.64	3.07
accept.v.01	3.29	3.05	3.29	3.33
total	100.00	100.00	100.00	100.00
inform.v.01	31.46	44.44	27.41	31.24
add.v.01	18.30	12.63	15.86	20.67
roll_up.v.02	8.39	14.65	10.17	6.27
talk.v.02	6.17	4.04	5.69	6.83
propose.v.01	5.41	2.02	5.52	5.99
see.v.05	5.20	3.54	4.83	5.71
record.v.01	4.93	6.06	5.17	4.58
believe.v.01	4.66	3.54	4.48	4.96
object.v.01	4.01	2.02	4.48	4.12
assume.v.01	3.84	3.54	3.28	4.21
adhere.v.06	3.84	2.02	10.52	0.56
ask.v.01	3.79	1.52	2.59	4.86
total	100.00	100.00	100.00	100.00

TABLE S160. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 15

	g.	p.	i.	h.
$\mu(min\,depth)$	1.37	1.34	1.32	1.41
$\sigma(min\,depth)$	1.52	1.48	1.45	1.57
$\mu(max\,depth)$	1.37	1.34	1.32	1.41
$\sigma(max\,depth)$	1.52	1.48	1.45	1.57
$\mu(holonyms)$	0.00	0.00	0.00	0.00
$\sigma(holonyms)$	0.00	0.00	0.00	0.00
$\mu(meronyms)$	0.00	0.00	0.00	0.00
$\sigma(meronyms)$	0.00	0.00	0.00	0.00
$\mu(domains)$	0.03	0.02	0.03	0.03
$\sigma(domains)$	0.16	0.13	0.16	0.17
$\mu(similar)$	0.00	0.00	0.00	0.00
$\sigma(similar)$	0.00	0.00	0.00	0.00
$\mu(verb\,groups)$	0.46	0.48	0.45	0.45
$\sigma(verb\,groups)$	0.61	0.61	0.61	0.61
$\mu(lemmas)$	3.25	3.16	3.28	3.26
$\sigma(lemmas)$	2.16	2.17	2.22	2.11
$\mu(entailments)$	0.07	0.09	0.08	0.06
$\sigma(entailments)$	0.26	0.29	0.27	0.24
$\mu(hyponyms)$	16.19	12.63	16.06	17.10
$\sigma(hyponyms)$	42.76	29.49	43.05	45.09
$\mu(hypernyms)$	0.66	0.69	0.64	0.66
$\sigma(hypernyms)$	0.48	0.48	0.48	0.48

TABLE S161. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 15

	g.	**p.**	**i.**	**h.**
besides.r.02	15.85	19.87	14.86	15.76
possibly.r.01	9.91	10.26	7.24	10.99
truly.r.01	8.36	7.69	8.19	8.52
actually.r.01	8.31	5.13	7.05	9.24
still.r.01	8.16	4.49	9.33	8.12
already.r.01	8.00	5.77	7.62	8.44
however.r.01	7.95	7.05	6.29	8.76
probably.r.01	7.69	7.69	7.81	7.64
well.r.01	7.49	7.05	10.48	6.29
therefore.r.01	6.61	5.77	7.24	6.45
even.r.01	6.40	12.18	6.48	5.65
alternatively.r.01	5.27	7.05	7.43	4.14
total	100.00	100.00	100.00	100.00

TABLE S162. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 15

	g.	**p.**	**i.**	**h.**
$\mu(min\,depth)$	0.00	0.00	0.00	0.00
$\sigma(min\,depth)$	0.00	0.00	0.00	0.00
$\mu(max\,depth)$	0.00	0.00	0.00	0.00
$\sigma(max\,depth)$	0.00	0.00	0.00	0.00
$\mu(holonyms)$	0.00	0.00	0.00	0.00
$\sigma(holonyms)$	0.00	0.00	0.00	0.00
$\mu(meronyms)$	0.00	0.00	0.00	0.00
$\sigma(meronyms)$	0.00	0.00	0.00	0.00
$\mu(domains)$	0.09	0.09	0.11	0.08
$\sigma(domains)$	0.29	0.28	0.31	0.28
$\mu(similar)$	0.00	0.00	0.00	0.00
$\sigma(similar)$	0.00	0.00	0.00	0.00
$\mu(verb\,groups)$	0.00	0.00	0.00	0.00
$\sigma(verb\,groups)$	0.00	0.00	0.00	0.00
$\mu(lemmas)$	3.22	3.16	3.11	3.28
$\sigma(lemmas)$	2.17	2.05	2.10	2.21
$\mu(entailments)$	0.00	0.00	0.00	0.00
$\sigma(entailments)$	0.00	0.00	0.00	0.00
$\mu(hyponyms)$	0.00	0.00	0.00	0.00
$\sigma(hyponyms)$	0.00	0.00	0.00	0.00
$\mu(hypernyms)$	0.00	0.00	0.00	0.00
$\sigma(hypernyms)$	0.00	0.00	0.00	0.00

TABLE S163. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 15

	g.	p.	i.	h.
NOUN	25.75	29.96	26.74	23.60
X	0.15	0.11	0.20	0.11
ADP	11.70	11.32	11.53	11.98
DET	11.38	10.79	11.26	11.67
VERB	21.68	21.15	21.35	22.16
ADJ	6.15	5.95	5.97	6.38
ADV	7.68	6.37	7.34	8.39
PRT	3.70	3.58	3.71	3.71
PRON	7.36	5.96	7.37	7.75
NUM	1.00	1.39	1.14	0.76
CONJ	3.44	3.41	3.39	3.49
PUNC	0.00	0.00	0.00	0.00
N	55.29	61.26	56.97	51.55
ADJ	11.94	10.33	11.41	13.02
VERB	7.12	5.11	6.41	8.53
ADV	25.65	23.29	25.21	26.90
POS	34.93	35.29	34.14	35.69
POS!	95.40	93.78	95.11	96.25

TABLE S164. Percentage of synsets with each of the POS tags used by Wordnet. The last lines give the percentage of words considered from all of the tokens (POS) and from the words with synset (POS!). The tokens not considered are punctuations, unrecognized words, words without synsets, stopwords and words for which Wordnet has no synset tagged with POS tags . Values for each Erdös sectors are in the columns **p.** for periphery, **i.** for intermediary, **h.** for hubs. TAG: 16

	g.	p.	i.	h.
entity.n.01	100.00	100.00	100.00	100.00
total	100.00	100.00	100.00	100.00
abstraction.n.06	67.99	70.88	68.81	65.91
physical_entity.n.01	32.01	29.12	31.19	34.09
total	100.00	100.00	100.00	100.00
measure.n.02	19.99	23.93	21.56	16.63
object.n.01	19.58	18.45	19.46	20.14
psychological_feature.n.01	17.52	15.56	17.28	18.56
communication.n.02	14.54	16.31	14.40	14.01
attribute.n.02	8.77	7.24	8.69	9.46
causal_agent.n.01	6.32	4.97	5.47	7.83
matter.n.03	4.21	4.05	4.43	4.02
group.n.01	3.86	3.96	3.70	4.01
relation.n.01	3.30	3.86	3.18	3.22
thing.n.12	1.06	0.96	1.00	1.17
process.n.06	0.85	0.69	0.82	0.94
set.n.02	0.01	0.01	0.00	0.00
total	100.00	100.00	100.00	100.00
definite_quantity.n.01	19.44	25.72	21.61	14.36
whole.n.02	18.41	16.63	18.00	19.61
event.n.01	13.72	12.56	13.30	14.68
cognition.n.01	8.69	7.04	8.79	9.23
person.n.01	6.96	5.38	6.04	8.67
location.n.01	6.15	5.91	6.37	5.98
message.n.02	5.63	6.89	5.66	5.10
state.n.02	5.15	3.98	4.95	5.86
written_communication.n.01	5.02	4.71	4.59	5.66
substance.n.01	4.48	4.51	4.65	4.27
auditory_communication.n.01	3.31	4.01	3.00	3.41
property.n.02	3.04	2.66	3.04	3.18
total	100.00	100.00	100.00	100.00

TABLE S165. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 16

	g.	**p.**	**i.**	**h.**
$\mu(min\,depth)$	6.43	6.47	6.46	6.39
$\sigma(min\,depth)$	1.73	1.70	1.71	1.77
$\mu(max\,depth)$	6.68	6.67	6.68	6.67
$\sigma(max\,depth)$	1.83	1.78	1.80	1.88
$\mu(holonyms)$	0.16	0.16	0.16	0.16
$\sigma(holonyms)$	0.56	0.55	0.56	0.56
$\mu(meronyms)$	0.45	0.46	0.44	0.45
$\sigma(meronyms)$	2.74	3.01	2.92	2.37
$\mu(domains)$	0.08	0.09	0.07	0.09
$\sigma(domains)$	0.28	0.29	0.27	0.29
$\mu(similar)$	0.00	0.00	0.00	0.00
$\sigma(similar)$	0.00	0.00	0.00	0.00
$\mu(verb\,groups)$	0.00	0.00	0.00	0.00
$\sigma(verb\,groups)$	0.00	0.00	0.00	0.00
$\mu(lemmas)$	3.13	3.37	3.17	2.99
$\sigma(lemmas)$	3.00	3.14	3.05	2.89
$\mu(entailments)$	0.00	0.00	0.00	0.00
$\sigma(entailments)$	0.00	0.00	0.00	0.00
$\mu(hyponyms)$	8.28	8.11	7.48	9.29
$\sigma(hyponyms)$	26.65	27.20	24.25	28.97
$\mu(hypernyms)$	1.03	1.02	1.03	1.03
$\sigma(hypernyms)$	0.17	0.16	0.17	0.16

TABLE S166. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 16

	g.	**p.**	**i.**	**h.**
like.a.01	22.71	19.67	23.67	22.56
good.a.01	10.93	7.00	11.44	11.40
new.a.01	9.94	15.00	7.51	10.93
public.a.01	8.11	12.33	12.23	3.43
different.a.01	6.46	4.33	6.72	6.71
open.a.01	6.35	7.00	5.15	7.26
many.a.01	6.24	6.33	4.45	7.81
certain.a.02	6.20	3.33	6.46	6.64
much.a.01	5.94	4.67	4.19	7.81
small.a.01	5.94	6.00	6.72	5.23
free.a.01	5.69	5.67	5.68	5.70
able.a.01	5.50	8.67	5.76	4.53
total	100.00	100.00	100.00	100.00

TABLE S167. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 16

	g.	**p.**	**i.**	**h.**
$\mu(min\,depth)$	0.00	0.00	0.00	0.00
$\sigma(min\,depth)$	0.00	0.00	0.00	0.00
$\mu(max\,depth)$	0.00	0.00	0.00	0.00
$\sigma(max\,depth)$	0.00	0.00	0.00	0.00
$\mu(holonyms)$	0.00	0.00	0.00	0.00
$\sigma(holonyms)$	0.00	0.00	0.00	0.00
$\mu(meronyms)$	0.00	0.00	0.00	0.00
$\sigma(meronyms)$	0.00	0.00	0.00	0.00
$\mu(domains)$	0.06	0.04	0.05	0.07
$\sigma(domains)$	0.24	0.21	0.22	0.26
$\mu(similar)$	5.84	5.61	5.71	6.02
$\sigma(similar)$	7.14	7.13	6.95	7.31
$\mu(verb\,groups)$	0.00	0.00	0.00	0.00
$\sigma(verb\,groups)$	0.00	0.00	0.00	0.00
$\mu(lemmas)$	1.67	1.58	1.68	1.68
$\sigma(lemmas)$	1.34	1.21	1.37	1.34
$\mu(entailments)$	0.00	0.00	0.00	0.00
$\sigma(entailments)$	0.00	0.00	0.00	0.00
$\mu(hyponyms)$	0.00	0.00	0.00	0.00
$\sigma(hyponyms)$	0.00	0.00	0.00	0.00
$\mu(hypernyms)$	0.00	0.00	0.00	0.00
$\sigma(hypernyms)$	0.00	0.00	0.00	0.00

TABLE S168. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 16

	g.	p.	i.	h.
act.v.01	14.10	15.75	13.93	13.79
think.v.03	11.00	9.29	10.29	12.21
travel.v.01	10.97	10.46	10.41	11.69
use.v.01	9.88	9.91	9.78	9.97
get.v.01	8.48	7.45	9.07	8.17
change.v.01	8.48	7.94	8.40	8.70
move.v.02	8.30	10.34	8.71	7.31
make.v.03	7.74	7.02	7.69	7.99
be.v.01	6.01	6.52	6.62	5.25
make.v.01	5.23	4.68	5.32	5.30
change.v.02	4.96	6.71	4.83	4.60
express.v.02	4.84	3.94	4.93	5.00
total	100.00	100.00	100.00	100.00
evaluate.v.02	18.36	15.06	16.48	21.38
interact.v.01	15.99	19.34	14.72	16.40
state.v.01	9.51	7.59	9.34	10.26
look.v.02	9.14	11.14	10.20	7.40
put.v.01	8.85	10.16	9.44	7.84
try.v.01	7.81	7.59	8.84	6.75
travel_rapidly.v.01	7.72	6.98	7.54	8.13
see.v.01	6.16	5.14	6.01	6.61
keep.v.03	5.58	7.47	6.98	3.50
give.v.03	4.34	3.67	3.12	5.85
create_verbally.v.01	3.41	2.33	3.69	3.43
play.v.01	3.14	3.55	3.65	2.46
total	100.00	100.00	100.00	100.00
communicate.v.02	25.23	29.46	23.69	25.58
think.v.01	15.90	9.88	13.61	20.08
run.v.01	12.54	11.05	12.56	12.96
sound.v.01	7.65	11.43	9.57	4.51
save.v.02	6.32	7.17	8.69	3.59
expect.v.01	5.78	3.49	5.53	6.71
install.v.01	5.58	6.40	6.81	4.05
write.v.01	5.53	3.68	6.14	5.44
increase.v.01	4.39	8.53	3.98	3.59
supply.v.01	4.37	3.49	2.55	6.54
declare.v.01	3.65	2.33	3.71	3.99
read.v.01	3.06	3.10	3.15	2.95
total	100.00	100.00	100.00	100.00
inform.v.01	31.11	32.94	28.30	33.55
record.v.01	13.80	14.68	18.82	8.06
add.v.01	7.92	15.48	7.19	6.24
see.v.05	7.71	5.95	5.88	10.27
think.v.02	6.36	3.17	6.47	7.28
propose.v.01	5.98	3.17	6.47	6.37
ask.v.01	5.39	3.57	7.55	3.64
roll_up.v.02	5.34	9.13	5.64	3.77
talk.v.02	4.96	2.38	4.20	6.63
talk.v.01	4.53	0.79	4.08	6.24
believe.v.01	3.50	2.78	2.64	4.68
address.v.01	3.40	5.95	2.76	3.25
total	100.00	100.00	100.00	100.00

TABLE S169. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 16

	g.	p.	i.	h.
$\mu(min\,depth)$	1.28	1.39	1.26	1.27
$\sigma(min\,depth)$	1.47	1.59	1.43	1.47
$\mu(max\,depth)$	1.28	1.39	1.27	1.27
$\sigma(max\,depth)$	1.47	1.59	1.43	1.47
$\mu(holonyms)$	0.00	0.00	0.00	0.00
$\sigma(holonyms)$	0.00	0.00	0.00	0.00
$\mu(meronyms)$	0.00	0.00	0.00	0.00
$\sigma(meronyms)$	0.00	0.00	0.00	0.00
$\mu(domains)$	0.03	0.03	0.04	0.03
$\sigma(domains)$	0.18	0.17	0.19	0.17
$\mu(similar)$	0.00	0.00	0.00	0.00
$\sigma(similar)$	0.00	0.00	0.00	0.00
$\mu(verb\,groups)$	0.47	0.44	0.47	0.48
$\sigma(verb\,groups)$	0.60	0.59	0.61	0.61
$\mu(lemmas)$	3.15	3.11	3.15	3.16
$\sigma(lemmas)$	2.17	2.17	2.15	2.18
$\mu(entailments)$	0.06	0.06	0.06	0.07
$\sigma(entailments)$	0.27	0.25	0.26	0.28
$\mu(hyponyms)$	15.41	13.51	15.73	15.64
$\sigma(hyponyms)$	35.79	32.81	36.55	35.81
$\mu(hypernyms)$	0.62	0.65	0.62	0.62
$\sigma(hypernyms)$	0.49	0.48	0.49	0.49

TABLE S170. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 16

	g.	**p.**	**i.**	**h.**
besides.r.02	14.53	21.95	15.38	12.41
truly.r.01	12.43	10.57	10.97	13.92
well.r.01	11.30	9.76	10.26	12.41
possibly.r.01	11.26	7.72	12.41	11.06
still.r.01	9.64	8.13	11.08	8.83
even.r.01	9.20	8.54	8.92	9.55
probably.r.01	7.83	6.50	6.97	8.75
however.r.01	5.08	6.50	4.31	5.41
actually.r.01	4.84	3.66	5.03	4.93
never.r.01	4.76	3.66	4.41	5.25
yet.r.01	4.60	5.69	5.85	3.42
already.r.01	4.52	7.32	4.41	4.06
total	100.00	100.00	100.00	100.00

TABLE S171. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 16

	g.	**p.**	**i.**	**h.**
$\mu(min\,depth)$	0.00	0.00	0.00	0.00
$\sigma(min\,depth)$	0.00	0.00	0.00	0.00
$\mu(max\,depth)$	0.00	0.00	0.00	0.00
$\sigma(max\,depth)$	0.00	0.00	0.00	0.00
$\mu(holonyms)$	0.00	0.00	0.00	0.00
$\sigma(holonyms)$	0.00	0.00	0.00	0.00
$\mu(meronyms)$	0.00	0.00	0.00	0.00
$\sigma(meronyms)$	0.00	0.00	0.00	0.00
$\mu(domains)$	0.10	0.10	0.09	0.11
$\sigma(domains)$	0.30	0.30	0.29	0.31
$\mu(similar)$	0.00	0.00	0.00	0.00
$\sigma(similar)$	0.00	0.00	0.00	0.00
$\mu(verb\,groups)$	0.00	0.00	0.00	0.00
$\sigma(verb\,groups)$	0.00	0.00	0.00	0.00
$\mu(lemmas)$	3.16	3.20	3.07	3.22
$\sigma(lemmas)$	2.16	2.17	2.13	2.18
$\mu(entailments)$	0.00	0.00	0.00	0.00
$\sigma(entailments)$	0.00	0.00	0.00	0.00
$\mu(hyponyms)$	0.00	0.00	0.00	0.00
$\sigma(hyponyms)$	0.00	0.00	0.00	0.00
$\mu(hypernyms)$	0.00	0.00	0.00	0.00
$\sigma(hypernyms)$	0.00	0.00	0.00	0.00

TABLE S172. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 16

	g.	p.	i.	h.
NOUN	24.77	28.19	26.58	24.26
X	0.10	0.10	0.26	0.07
ADP	12.87	13.09	12.68	12.89
DET	12.24	11.74	12.20	12.28
VERB	21.81	21.07	21.78	21.86
ADJ	7.40	7.43	7.27	7.42
ADV	7.56	6.19	6.71	7.78
PRT	3.43	3.37	3.29	3.45
PRON	5.83	4.52	5.31	6.00
NUM	0.91	0.98	1.06	0.88
CONJ	3.09	3.31	2.84	3.11
PUNC	0.00	0.00	0.00	0.00
N	53.18	57.40	55.68	52.45
ADJ	14.16	13.38	13.41	14.35
VERB	7.66	5.57	6.32	8.03
ADV	25.00	23.65	24.60	25.17
POS	38.96	41.09	39.96	38.65
POS!	96.43	96.56	95.85	96.52

TABLE S173. Percentage of synsets with each of the POS tags used by Wordnet. The last lines give the percentage of words considered from all of the tokens (POS) and from the words with synset (POS!). The tokens not considered are punctuations, unrecognized words, words without synsets, stopwords and words for which Wordnet has no synset tagged with POS tags . Values for each Erdös sectors are in the columns **p.** for periphery, **i.** for intermediary, **h.** for hubs. TAG: 17

	g.	p.	i.	h.
entity.n.01	100.00	100.00	100.00	100.00
total	100.00	100.00	100.00	100.00
abstraction.n.06	75.12	72.13	72.16	75.88
physical_entity.n.01	24.88	27.87	27.84	24.12
total	100.00	100.00	100.00	100.00
psychological_feature.n.01	29.80	27.21	26.36	30.60
causal_agent.n.01	12.95	11.43	13.52	12.98
attribute.n.02	12.51	8.91	8.96	13.42
measure.n.02	11.96	12.68	14.75	11.42
communication.n.02	10.15	13.69	10.37	9.83
object.n.01	8.63	11.97	10.24	8.08
group.n.01	7.43	6.75	8.48	7.31
relation.n.01	3.23	2.80	3.19	3.27
matter.n.03	2.05	3.10	2.81	1.83
process.n.06	0.94	0.94	0.91	0.95
thing.n.12	0.31	0.43	0.35	0.29
set.n.02	0.03	0.08	0.04	0.03
total	100.00	100.00	100.00	100.00
event.n.01	20.31	20.60	17.86	20.70
person.n.01	15.25	13.99	16.10	15.21
cognition.n.01	15.16	12.88	13.97	15.54
definite_quantity.n.01	10.52	11.56	13.86	9.87
message.n.02	7.13	8.11	8.10	6.89
whole.n.02	6.47	8.41	7.79	6.10
state.n.02	6.27	4.22	4.99	6.65
property.n.02	5.61	3.05	3.68	6.14
social_group.n.01	4.42	4.38	5.16	4.30
location.n.01	3.68	5.96	4.48	3.36
written_communication.n.01	2.85	4.94	2.54	2.74
quality.n.01	2.32	1.91	1.46	2.50
total	100.00	100.00	100.00	100.00

TABLE S174. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 17

	g.	**p.**	**i.**	**h.**
$\mu(min\,depth)$	6.22	6.27	6.25	6.21
$\sigma(min\,depth)$	1.48	1.48	1.47	1.48
$\mu(max\,depth)$	6.69	6.73	6.75	6.68
$\sigma(max\,depth)$	1.76	1.77	1.77	1.75
$\mu(holonyms)$	0.13	0.15	0.15	0.13
$\sigma(holonyms)$	0.43	0.58	0.49	0.40
$\mu(meronyms)$	0.37	0.62	0.45	0.33
$\sigma(meronyms)$	2.56	4.18	3.28	2.23
$\mu(domains)$	0.05	0.07	0.06	0.05
$\sigma(domains)$	0.24	0.28	0.27	0.24
$\mu(similar)$	0.00	0.00	0.00	0.00
$\sigma(similar)$	0.00	0.00	0.00	0.00
$\mu(verb\,groups)$	0.00	0.00	0.00	0.00
$\sigma(verb\,groups)$	0.00	0.00	0.00	0.00
$\mu(lemmas)$	2.82	2.78	2.83	2.83
$\sigma(lemmas)$	2.29	2.44	2.38	2.26
$\mu(entailments)$	0.00	0.00	0.00	0.00
$\sigma(entailments)$	0.00	0.00	0.00	0.00
$\mu(hyponyms)$	10.85	11.55	10.72	10.81
$\sigma(hyponyms)$	36.55	40.13	36.62	36.23
$\mu(hypernyms)$	1.03	1.03	1.04	1.03
$\sigma(hypernyms)$	0.18	0.16	0.21	0.17

TABLE S175. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 17

	g.	**p.**	**i.**	**h.**
like.a.01	11.02	16.33	15.84	10.00
sincere.a.01	10.75	0.23	6.23	12.05
many.a.01	9.37	13.15	6.41	9.58
small.a.01	9.13	7.71	7.33	9.48
possible.a.01	8.99	5.90	6.32	9.56
good.a.01	8.77	9.52	9.52	8.62
new.a.01	7.53	11.79	13.46	6.41
large.a.01	7.34	7.26	7.51	7.32
strategic.a.01	7.20	1.13	4.58	7.95
different.a.01	7.13	10.20	6.50	7.04
first.a.01	6.58	11.56	8.61	5.99
better.a.01	6.17	5.22	7.69	6.00
total	100.00	100.00	100.00	100.00

TABLE S176. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 17

	g.	**p.**	**i.**	**h.**
$\mu(min\,depth)$	0.00	0.00	0.00	0.00
$\sigma(min\,depth)$	0.00	0.00	0.00	0.00
$\mu(max\,depth)$	0.00	0.00	0.00	0.00
$\sigma(max\,depth)$	0.00	0.00	0.00	0.00
$\mu(holonyms)$	0.00	0.00	0.00	0.00
$\sigma(holonyms)$	0.00	0.00	0.00	0.00
$\mu(meronyms)$	0.00	0.00	0.00	0.00
$\sigma(meronyms)$	0.00	0.00	0.00	0.00
$\mu(domains)$	0.06	0.06	0.07	0.06
$\sigma(domains)$	0.25	0.23	0.26	0.25
$\mu(similar)$	6.01	5.62	5.82	6.06
$\sigma(similar)$	7.53	7.35	7.55	7.53
$\mu(verb\,groups)$	0.00	0.00	0.00	0.00
$\sigma(verb\,groups)$	0.00	0.00	0.00	0.00
$\mu(lemmas)$	1.58	1.59	1.65	1.57
$\sigma(lemmas)$	1.16	1.12	1.21	1.16
$\mu(entailments)$	0.00	0.00	0.00	0.00
$\sigma(entailments)$	0.00	0.00	0.00	0.00
$\mu(hyponyms)$	0.00	0.00	0.00	0.00
$\sigma(hyponyms)$	0.00	0.00	0.00	0.00
$\mu(hypernyms)$	0.00	0.00	0.00	0.00
$\sigma(hypernyms)$	0.00	0.00	0.00	0.00

TABLE S177. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 17

	g.	p.	i.	h.
act.v.01	16.04	16.71	15.47	16.09
think.v.03	14.05	9.74	13.11	14.48
decide.v.01	13.60	13.57	14.36	13.48
express.v.02	9.08	7.38	7.98	9.36
be.v.01	7.68	6.60	8.59	7.61
change.v.01	7.14	5.57	6.11	7.40
perceive.v.01	6.15	8.91	7.83	5.70
travel.v.01	5.59	6.89	6.04	5.44
move.v.02	5.38	6.85	6.02	5.18
make.v.01	5.30	3.84	3.68	5.65
make.v.03	5.12	7.88	5.46	4.88
use.v.01	4.87	6.06	5.35	4.72
total	100.00	100.00	100.00	100.00
choose.v.01	21.04	21.57	22.29	20.81
evaluate.v.02	18.41	11.54	15.88	19.27
interact.v.01	16.45	18.54	16.49	16.31
state.v.01	14.70	12.02	12.94	15.16
see.v.01	8.92	12.64	11.76	8.22
put.v.01	3.54	3.64	3.86	3.48
give.v.03	3.18	5.29	2.18	3.21
look.v.02	3.15	2.54	3.58	3.12
rank.v.01	2.93	1.92	2.94	3.00
take.v.01	2.81	3.23	2.07	2.90
try.v.01	2.43	2.47	2.86	2.36
create_verbally.v.01	2.42	4.60	3.14	2.16
total	100.00	100.00	100.00	100.00
communicate.v.02	24.47	28.54	25.25	24.09
vote.v.01	22.75	23.93	23.92	22.49
think.v.01	13.31	9.11	13.99	13.48
expect.v.01	7.44	1.98	5.17	8.13
declare.v.01	7.21	6.92	6.83	7.29
elect.v.01	4.42	5.38	4.57	4.34
accept.v.01	4.34	4.28	3.09	4.54
write.v.01	3.81	7.24	5.17	3.38
increase.v.01	3.30	4.39	4.06	3.12
accept.v.03	3.13	2.20	2.68	3.25
meet.v.05	2.91	1.76	3.00	2.97
name.v.01	2.91	4.28	2.26	2.92
total	100.00	100.00	100.00	100.00
inform.v.01	31.94	39.80	33.52	31.28
propose.v.01	11.10	10.81	10.38	11.22
see.v.05	10.95	6.88	9.52	11.37
assume.v.01	7.50	0.74	6.38	8.02
talk.v.02	5.83	7.13	6.57	5.66
permit.v.01	5.69	4.91	5.43	5.76
satisfy.v.01	5.25	3.69	5.62	5.28
believe.v.01	5.05	6.14	3.33	5.23
mention.v.01	4.76	2.70	4.86	4.86
communicate.v.01	4.52	9.09	4.67	4.25
talk.v.01	3.78	3.69	4.10	3.74
add.v.01	3.65	4.42	5.62	3.33
total	100.00	100.00	100.00	100.00

TABLE S178. Counts for the most incident synsets three step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 17

	g.	p.	i.	h.
$\mu(min\,depth)$	1.48	1.50	1.46	1.48
$\sigma(min\,depth)$	1.61	1.60	1.58	1.62
$\mu(max\,depth)$	1.48	1.50	1.46	1.48
$\sigma(max\,depth)$	1.61	1.60	1.58	1.62
$\mu(holonyms)$	0.00	0.00	0.00	0.00
$\sigma(holonyms)$	0.00	0.00	0.00	0.00
$\mu(meronyms)$	0.00	0.00	0.00	0.00
$\sigma(meronyms)$	0.00	0.00	0.00	0.00
$\mu(domains)$	0.02	0.03	0.02	0.02
$\sigma(domains)$	0.13	0.17	0.14	0.13
$\mu(similar)$	0.00	0.00	0.00	0.00
$\sigma(similar)$	0.00	0.00	0.00	0.00
$\mu(verb\,groups)$	0.45	0.49	0.46	0.45
$\sigma(verb\,groups)$	0.63	0.65	0.64	0.62
$\mu(lemmas)$	3.03	3.05	2.98	3.03
$\sigma(lemmas)$	2.02	2.10	1.96	2.02
$\mu(entailments)$	0.06	0.06	0.06	0.06
$\sigma(entailments)$	0.24	0.25	0.25	0.24
$\mu(hyponyms)$	12.49	12.73	12.31	12.50
$\sigma(hyponyms)$	34.69	34.55	33.73	34.85
$\mu(hypernyms)$	0.69	0.71	0.70	0.68
$\sigma(hypernyms)$	0.47	0.45	0.46	0.47

TABLE S179. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 17

	g.	**p.**	**i.**	**h.**
besides.r.02	13.91	19.66	16.90	13.29
even.r.01	10.96	13.22	12.65	10.65
possibly.r.01	10.17	9.15	10.52	10.16
however.r.01	9.73	9.15	13.50	9.27
quite.r.01	8.81	3.73	3.51	9.70
actually.r.01	7.99	6.44	5.53	8.37
well.r.01	7.83	8.14	8.50	7.74
truly.r.01	7.81	6.10	6.59	8.04
merely.r.01	6.80	2.71	3.61	7.37
therefore.r.01	6.42	9.49	6.70	6.26
still.r.01	5.32	6.78	7.86	4.94
far.r.01	4.25	5.42	4.14	4.21
total	100.00	100.00	100.00	100.00

TABLE S180. Counts for the most incident synsets at the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 17

	g.	**p.**	**i.**	**h.**
$\mu(min\,depth)$	0.00	0.00	0.00	0.00
$\sigma(min\,depth)$	0.00	0.00	0.00	0.00
$\mu(max\,depth)$	0.00	0.00	0.00	0.00
$\sigma(max\,depth)$	0.00	0.00	0.00	0.00
$\mu(holonyms)$	0.00	0.00	0.00	0.00
$\sigma(holonyms)$	0.00	0.00	0.00	0.00
$\mu(meronyms)$	0.00	0.00	0.00	0.00
$\sigma(meronyms)$	0.00	0.00	0.00	0.00
$\mu(domains)$	0.09	0.09	0.08	0.09
$\sigma(domains)$	0.28	0.28	0.27	0.28
$\mu(similar)$	0.00	0.00	0.00	0.00
$\sigma(similar)$	0.00	0.00	0.00	0.00
$\mu(verb\,groups)$	0.00	0.00	0.00	0.00
$\sigma(verb\,groups)$	0.00	0.00	0.00	0.00
$\mu(lemmas)$	3.23	3.07	3.29	3.23
$\sigma(lemmas)$	2.23	2.20	2.33	2.22
$\mu(entailments)$	0.00	0.00	0.00	0.00
$\sigma(entailments)$	0.00	0.00	0.00	0.00
$\mu(hyponyms)$	0.00	0.00	0.00	0.00
$\sigma(hyponyms)$	0.00	0.00	0.00	0.00
$\mu(hypernyms)$	0.00	0.00	0.00	0.00
$\sigma(hypernyms)$	0.00	0.00	0.00	0.00

TABLE S181. Measures of wordnet features in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 17

C. Differentiation of the texts from Erdös sectors

1. Snapshots of 2000 messages

	g.	p.	i.	h.
g.	0.000 0.000	8.605 0.037	2.998 0.009	13.555 0.058
p.	8.605 0.037	0.000 0.000	5.970 0.028	17.360 0.095
i.	2.998 0.009	5.970 0.028	0.000 0.000	14.621 0.067
h.	13.555 0.058	17.360 0.095	14.621 0.067	0.000 0.000

TABLE S182. KS distances on size of tokens. TAG: 0

	g.	p.	i.	h.
g.	0.000 0.000	3.608 0.031	1.724 0.011	2.199 0.017
p.	3.608 0.031	0.000 0.000	4.374 0.041	4.602 0.049
i.	1.724 0.011	4.374 0.041	0.000 0.000	1.860 0.016
h.	2.199 0.017	4.602 0.049	1.860 0.016	0.000 0.000

TABLE S183. KS distances on size of known words. TAG: 0

	g.	p.	i.	h.
g.	0.000 0.000	1.181 0.033	0.776 0.014	0.978 0.023
p.	1.181 0.033	0.000 0.000	1.122 0.034	1.673 0.055
i.	0.776 0.014	1.122 0.034	0.000 0.000	1.138 0.029
h.	0.978 0.023	1.673 0.055	1.138 0.029	0.000 0.000

TABLE S184. KS distances on size of sentences. TAG: 0

	g.	p.	i.	h.
g.	0.000 0.000	0.890 0.025	0.947 0.017	1.026 0.024
p.	0.890 0.025	0.000 0.000	1.065 0.032	1.186 0.039
i.	0.947 0.017	1.065 0.032	0.000 0.000	1.631 0.041
h.	1.026 0.024	1.186 0.039	1.631 0.041	0.000 0.000

TABLE S185. KS distances on use of adjectives on sentences. TAG: 0

	g.	p.	i.	h.
g.	0.000 0.000	1.360 0.038	0.320 0.006	1.483 0.034
p.	1.360 0.038	0.000 0.000	1.160 0.035	2.338 0.077
i.	0.320 0.006	1.160 0.035	0.000 0.000	1.586 0.040
h.	1.483 0.034	2.338 0.077	1.586 0.040	0.000 0.000

TABLE S186. KS distances on use of substantives on sentences. TAG: 0

	g.	p.	i.	h.
g.	0.000 0.000	1.195 0.034	0.275 0.005	1.262 0.029
p.	1.195 0.034	0.000 0.000	1.125 0.034	2.613 0.086
i.	0.275 0.005	1.125 0.034	0.000 0.000	1.359 0.034
h.	1.262 0.029	2.613 0.086	1.359 0.034	0.000 0.000

TABLE S187. KS distances on use of punctuations on sentences. TAG: 0

	g.	p.	i.	h.
g.	0.000 0.000	3.291 0.208	3.901 0.160	5.494 0.224
p.	3.291 0.208	0.000 0.000	1.464 0.100	6.421 0.438
i.	3.901 0.160	1.464 0.100	0.000 0.000	7.933 0.384
h.	5.494 0.224	6.421 0.438	7.933 0.384	0.000 0.000

TABLE S188. KS distances on use of number of characters in messages. TAG: 0

	g.	p.	i.	h.
g.	0.000 0.000	3.521 0.152	1.136 0.036	4.896 0.209
p.	3.521 0.152	0.000 0.000	2.999 0.140	6.438 0.353
i.	1.136 0.036	2.999 0.140	0.000 0.000	5.233 0.241
h.	4.896 0.209	6.438 0.353	5.233 0.241	0.000 0.000

TABLE S189. KS distances on use of verbs in each 100 tokens. TAG: 0

	g.	p.	i.	h.
g.	0.000	5.984	4.963	8.572
	0.000	0.019	0.016	0.123
p.	5.984	0.000	9.437	9.829
	0.019	0.000	0.036	0.143
i.	4.963	9.437	0.000	7.364
	0.016	0.036	0.000	0.107
h.	8.572	9.829	7.364	0.000
	0.123	0.143	0.107	0.000

TABLE S190. KS distances on size of tokens. TAG: 1

	g.	p.	i.	h.
g.	0.000	5.904	5.264	5.549
	0.000	0.043	0.040	0.150
p.	5.904	0.000	9.547	7.073
	0.043	0.000	0.083	0.193
i.	5.264	9.547	0.000	4.058
	0.040	0.083	0.000	0.111
h.	5.549	7.073	4.058	0.000
	0.150	0.193	0.111	0.000

TABLE S191. KS distances on size of known words. TAG: 1

	g.	p.	i.	h.
g.	0.000	0.524	1.604	6.070
	0.000	0.019	0.060	0.470
p.	0.524	0.000	0.954	6.082
	0.019	0.000	0.041	0.489
i.	1.604	0.954	0.000	7.110
	0.060	0.041	0.000	0.574
h.	6.070	6.082	7.110	0.000
	0.470	0.489	0.574	0.000

TABLE S192. KS distances on size of sentences. TAG: 1

	g.	p.	i.	h.
g.	0.000	0.764	1.586	6.574
	0.000	0.028	0.059	0.509
p.	0.764	0.000	1.583	6.664
	0.028	0.000	0.069	0.536
i.	1.586	1.583	0.000	7.032
	0.059	0.069	0.000	0.568
h.	6.574	6.664	7.032	0.000
	0.509	0.536	0.568	0.000

TABLE S193. KS distances on use of adjectives on sentences. TAG: 1

	g.	p.	i.	h.
g.	0.000	0.642	1.791	6.936
	0.000	0.023	0.067	0.537
p.	0.642	0.000	1.007	6.970
	0.023	0.000	0.044	0.560
i.	1.791	1.007	0.000	7.510
	0.067	0.044	0.000	0.607
h.	6.936	6.970	7.510	0.000
	0.537	0.560	0.607	0.000

TABLE S194. KS distances on use of substantives on sentences. TAG: 1

	g.	p.	i.	h.
g.	0.000	0.249	1.356	4.505
	0.000	0.009	0.051	0.349
p.	0.249	0.000	0.962	4.451
	0.009	0.000	0.042	0.358
i.	1.356	0.962	0.000	7.385
	0.051	0.042	0.000	0.597
h.	4.505	4.451	7.385	0.000
	0.349	0.358	0.597	0.000

TABLE S195. KS distances on use of punctuations on sentences. TAG: 1

	g.	p.	i.	h.
g.	0.000	0.394	0.288	2.702
	0.000	0.016	0.011	0.395
p.	0.394	0.000	0.427	2.899
	0.016	0.000	0.019	0.429
i.	0.288	0.427	0.000	3.091
	0.011	0.019	0.000	0.457
h.	2.702	2.899	3.091	0.000
	0.395	0.429	0.457	0.000

TABLE S196. KS distances on use of number of characters in messages. TAG: 1

	g.	p.	i.	h.
g.	0.000	1.200	1.094	4.570
	0.000	0.039	0.036	0.652
p.	1.200	0.000	1.979	4.704
	0.039	0.000	0.075	0.677
i.	1.094	1.979	0.000	4.593
	0.036	0.075	0.000	0.661
h.	4.570	4.704	4.593	0.000
	0.652	0.677	0.661	0.000

TABLE S197. KS distances on use of verbs in each 100 tokens. TAG: 1

	g.	p.	i.	h.
g.	0.000 0.000	3.765 0.019	3.982 0.013	7.936 0.031
p.	3.765 0.019	0.000 0.000	1.021 0.005	8.734 0.050
i.	3.982 0.013	1.021 0.005	0.000 0.000	10.167 0.044
h.	7.936 0.031	8.734 0.050	10.167 0.044	0.000 0.000

TABLE S198. KS distances on size of tokens. TAG: 2

	g.	p.	i.	h.
g.	0.000 0.000	1.424 0.013	1.774 0.011	3.138 0.022
p.	1.424 0.013	0.000 0.000	0.942 0.009	3.287 0.034
i.	1.774 0.011	0.942 0.009	0.000 0.000	4.174 0.033
h.	3.138 0.022	3.287 0.034	4.174 0.033	0.000 0.000

TABLE S199. KS distances on size of known words. TAG: 2

	g.	p.	i.	h.
g.	0.000 0.000	0.733 0.020	2.077 0.038	2.834 0.059
p.	0.733 0.020	0.000 0.000	1.642 0.048	2.589 0.080
i.	2.077 0.038	1.642 0.048	0.000 0.000	4.139 0.097
h.	2.834 0.059	2.589 0.080	4.139 0.097	0.000 0.000

TABLE S200. KS distances on size of sentences. TAG: 2

	g.	p.	i.	h.
g.	0.000 0.000	1.108 0.030	1.174 0.021	1.610 0.034
p.	1.108 0.030	0.000 0.000	0.747 0.022	2.060 0.064
i.	1.174 0.021	0.747 0.022	0.000 0.000	2.245 0.052
h.	1.610 0.034	2.060 0.064	2.245 0.052	0.000 0.000

TABLE S201. KS distances on use of adjectives on sentences. TAG: 2

	g.	p.	i.	h.
g.	0.000 0.000	0.668 0.018	1.546 0.028	1.584 0.033
p.	0.668 0.018	0.000 0.000	1.584 0.046	1.087 0.034
i.	1.546 0.028	1.584 0.046	0.000 0.000	2.578 0.060
h.	1.584 0.033	1.087 0.034	2.578 0.060	0.000 0.000

TABLE S202. KS distances on use of substantives on sentences. TAG: 2

	g.	p.	i.	h.
g.	0.000 0.000	0.545 0.015	1.588 0.029	2.146 0.045
p.	0.545 0.015	0.000 0.000	0.846 0.025	1.584 0.049
i.	1.588 0.029	0.846 0.025	0.000 0.000	3.146 0.074
h.	2.146 0.045	1.584 0.049	3.146 0.074	0.000 0.000

TABLE S203. KS distances on use of punctuations on sentences. TAG: 2

	g.	p.	i.	h.
g.	0.000 0.000	1.584 0.099	1.596 0.064	2.457 0.103
p.	1.584 0.099	0.000 0.000	1.066 0.071	2.783 0.190
i.	1.596 0.064	1.066 0.071	0.000 0.000	3.430 0.167
h.	2.457 0.103	2.783 0.190	3.430 0.167	0.000 0.000

TABLE S204. KS distances on use of number of characters in messages. TAG: 2

	g.	p.	i.	h.
g.	0.000 0.000	1.746 0.086	1.762 0.059	2.656 0.104
p.	1.746 0.086	0.000 0.000	0.739 0.039	3.192 0.181
i.	1.762 0.059	0.739 0.039	0.000 0.000	3.430 0.149
h.	2.656 0.104	3.192 0.181	3.430 0.149	0.000 0.000

TABLE S205. KS distances on use of verbs in each 100 tokens. TAG: 2

	g.	p.	i.	h.
g.	0.000 0.000	22.383 0.079	1.775 0.007	16.687 0.052
p.	22.383 0.079	0.000 0.000	19.039 0.085	32.369 0.131
i.	1.775 0.007	19.039 0.085	0.000 0.000	10.884 0.045
h.	16.687 0.052	32.369 0.131	10.884 0.045	0.000 0.000

TABLE S206. KS distances on size of tokens. TAG: 3

	g.	p.	i.	h.
g.	0.000 0.000	7.581 0.052	2.112 0.014	3.916 0.022
p.	7.581 0.052	0.000 0.000	7.749 0.067	9.650 0.074
i.	2.112 0.014	7.749 0.067	0.000 0.000	1.664 0.013
h.	3.916 0.022	9.650 0.074	1.664 0.013	0.000 0.000

TABLE S207. KS distances on size of known words. TAG: 3

	g.	p.	i.	h.
g.	0.000 0.000	3.463 0.086	2.202 0.047	1.487 0.027
p.	3.463 0.086	0.000 0.000	3.540 0.103	4.175 0.113
i.	2.202 0.047	3.540 0.103	0.000 0.000	3.050 0.073
h.	1.487 0.027	4.175 0.113	3.050 0.073	0.000 0.000

TABLE S208. KS distances on size of sentences. TAG: 3

	g.	p.	i.	h.
g.	0.000 0.000	1.474 0.036	1.273 0.027	1.866 0.034
p.	1.474 0.036	0.000 0.000	1.033 0.030	2.613 0.071
i.	1.273 0.027	1.033 0.030	0.000 0.000	2.558 0.061
h.	1.866 0.034	2.613 0.071	2.558 0.061	0.000 0.000

TABLE S209. KS distances on use of adjectives on sentences. TAG: 3

	g.	p.	i.	h.
g.	0.000 0.000	3.805 0.094	1.909 0.041	2.139 0.039
p.	3.805 0.094	0.000 0.000	3.403 0.099	4.930 0.133
i.	1.909 0.041	3.403 0.099	0.000 0.000	2.416 0.058
h.	2.139 0.039	4.930 0.133	2.416 0.058	0.000 0.000

TABLE S210. KS distances on use of substantives on sentences. TAG: 3

	g.	p.	i.	h.
g.	0.000 0.000	3.702 0.091	1.208 0.026	2.252 0.041
p.	3.702 0.091	0.000 0.000	3.147 0.092	4.912 0.133
i.	1.208 0.026	3.147 0.092	0.000 0.000	1.889 0.045
h.	2.252 0.041	4.912 0.133	1.889 0.045	0.000 0.000

TABLE S211. KS distances on use of punctuations on sentences. TAG: 3

	g.	p.	i.	h.
g.	0.000 0.000	4.597 0.270	0.621 0.030	2.103 0.079
p.	4.597 0.270	0.000 0.000	4.146 0.285	5.568 0.346
i.	0.621 0.030	4.146 0.285	0.000 0.000	1.477 0.077
h.	2.103 0.079	5.568 0.346	1.477 0.077	0.000 0.000

TABLE S212. KS distances on use of number of characters in messages. TAG: 3

	g.	p.	i.	h.
g.	0.000 0.000	5.482 0.193	1.024 0.038	3.582 0.111
p.	5.482 0.193	0.000 0.000	5.075 0.228	7.540 0.305
i.	1.024 0.038	5.075 0.228	0.000 0.000	2.012 0.084
h.	3.582 0.111	7.540 0.305	2.012 0.084	0.000 0.000

TABLE S213. KS distances on use of verbs in each 100 tokens. TAG: 3

	g.	p.	i.	h.
g.	0.000 0.000	8.829 0.041	1.356 0.005	6.961 0.025
p.	8.829 0.041	0.000 0.000	6.760 0.036	12.734 0.065
i.	1.356 0.005	6.760 0.036	0.000 0.000	6.799 0.030
h.	6.961 0.025	12.734 0.065	6.799 0.030	0.000 0.000

TABLE S214. KS distances on size of tokens. TAG: 4

	g.	p.	i.	h.
g.	0.000 0.000	3.759 0.031	1.286 0.009	2.409 0.016
p.	3.759 0.031	0.000 0.000	3.784 0.036	4.827 0.045
i.	1.286 0.009	3.784 0.036	0.000 0.000	2.944 0.023
h.	2.409 0.016	4.827 0.045	2.944 0.023	0.000 0.000

TABLE S215. KS distances on size of known words. TAG: 4

	g.	p.	i.	h.
g.	0.000 0.000	0.958 0.025	1.061 0.021	1.202 0.021
p.	0.958 0.025	0.000 0.000	0.684 0.020	1.392 0.039
i.	1.061 0.021	0.684 0.020	0.000 0.000	1.881 0.043
h.	1.202 0.021	1.392 0.039	1.881 0.043	0.000 0.000

TABLE S216. KS distances on size of sentences. TAG: 4

	g.	p.	i.	h.
g.	0.000 0.000	1.882 0.048	0.358 0.007	0.863 0.015
p.	1.882 0.048	0.000 0.000	1.811 0.053	2.293 0.064
i.	0.358 0.007	1.811 0.053	0.000 0.000	0.469 0.011
h.	0.863 0.015	2.293 0.064	0.469 0.011	0.000 0.000

TABLE S217. KS distances on use of adjectives on sentences. TAG: 4

	g.	p.	i.	h.
g.	0.000 0.000	1.708 0.044	0.360 0.007	1.243 0.022
p.	1.708 0.044	0.000 0.000	1.250 0.037	2.375 0.066
i.	0.360 0.007	1.250 0.037	0.000 0.000	1.293 0.029
h.	1.243 0.022	2.375 0.066	1.293 0.029	0.000 0.000

TABLE S218. KS distances on use of substantives on sentences. TAG: 4

	g.	p.	i.	h.
g.	0.000 0.000	1.545 0.040	0.914 0.018	1.596 0.028
p.	1.545 0.040	0.000 0.000	0.728 0.021	2.714 0.075
i.	0.914 0.018	0.728 0.021	0.000 0.000	2.060 0.047
h.	1.596 0.028	2.714 0.075	2.060 0.047	0.000 0.000

TABLE S219. KS distances on use of punctuations on sentences. TAG: 4

	g.	p.	i.	h.
g.	0.000 0.000	0.401 0.022	0.491 0.021	0.481 0.019
p.	0.401 0.022	0.000 0.000	0.545 0.035	0.618 0.038
i.	0.491 0.021	0.545 0.035	0.000 0.000	0.935 0.047
h.	0.481 0.019	0.618 0.038	0.935 0.047	0.000 0.000

TABLE S220. KS distances on use of number of characters in messages. TAG: 4

	g.	p.	i.	h.
g.	0.000 0.000	3.354 0.154	1.197 0.045	2.958 0.104
p.	3.354 0.154	0.000 0.000	2.543 0.134	5.053 0.259
i.	1.197 0.045	2.543 0.134	0.000 0.000	3.221 0.140
h.	2.958 0.104	5.053 0.259	3.221 0.140	0.000 0.000

TABLE S221. KS distances on use of verbs in each 100 tokens. TAG: 4

	g.	p.	i.	h.
g.	0.000	2.548	2.904	3.529
	0.000	0.018	0.013	0.015
p.	2.548	0.000	1.012	4.385
	0.018	0.000	0.008	0.033
i.	2.904	1.012	0.000	5.395
	0.013	0.008	0.000	0.028
h.	3.529	4.385	5.395	0.000
	0.015	0.033	0.028	0.000

TABLE S222. KS distances on size of tokens. TAG: 5

	g.	p.	i.	h.
g.	0.000	2.674	1.423	1.869
	0.000	0.035	0.012	0.014
p.	2.674	0.000	2.140	3.553
	0.035	0.000	0.030	0.048
i.	1.423	2.140	0.000	2.615
	0.012	0.030	0.000	0.024
h.	1.869	3.553	2.615	0.000
	0.014	0.048	0.024	0.000

TABLE S223. KS distances on size of known words. TAG: 5

	g.	p.	i.	h.
g.	0.000	1.184	0.516	0.818
	0.000	0.045	0.014	0.019
p.	1.184	0.000	0.956	1.602
	0.045	0.000	0.040	0.064
i.	0.516	0.956	0.000	1.098
	0.014	0.040	0.000	0.032
h.	0.818	1.602	1.098	0.000
	0.019	0.064	0.032	0.000

TABLE S224. KS distances on size of sentences. TAG: 5

	g.	p.	i.	h.
g.	0.000	2.263	0.604	1.435
	0.000	0.086	0.016	0.032
p.	2.263	0.000	1.697	2.935
	0.086	0.000	0.072	0.118
i.	0.604	1.697	0.000	1.656
	0.016	0.072	0.000	0.048
h.	1.435	2.935	1.656	0.000
	0.032	0.118	0.048	0.000

TABLE S225. KS distances on use of adjectives on sentences. TAG: 5

	g.	p.	i.	h.
g.	0.000	0.810	0.745	0.904
	0.000	0.031	0.020	0.020
p.	0.810	0.000	0.618	1.266
	0.031	0.000	0.026	0.051
i.	0.745	0.618	0.000	1.372
	0.020	0.026	0.000	0.040
h.	0.904	1.266	1.372	0.000
	0.020	0.051	0.040	0.000

TABLE S226. KS distances on use of substantives on sentences. TAG: 5

	g.	p.	i.	h.
g.	0.000	0.955	1.425	1.500
	0.000	0.036	0.038	0.034
p.	0.955	0.000	0.298	1.752
	0.036	0.000	0.013	0.070
i.	1.425	0.298	0.000	2.446
	0.038	0.013	0.000	0.071
h.	1.500	1.752	2.446	0.000
	0.034	0.070	0.071	0.000

TABLE S227. KS distances on use of punctuations on sentences. TAG: 5

	g.	p.	i.	h.
g.	0.000	0.945	0.683	0.381
	0.000	0.065	0.030	0.014
p.	0.945	0.000	1.085	0.948
	0.065	0.000	0.082	0.069
i.	0.683	1.085	0.000	0.893
	0.030	0.082	0.000	0.044
h.	0.381	0.948	0.893	0.000
	0.014	0.069	0.044	0.000

TABLE S228. KS distances on use of number of characters in messages. TAG: 5

	g.	p.	i.	h.
g.	0.000	1.701	2.244	2.259
	0.000	0.120	0.104	0.095
p.	1.701	0.000	0.710	2.795
	0.120	0.000	0.055	0.209
i.	2.244	0.710	0.000	3.585
	0.104	0.055	0.000	0.188
h.	2.259	2.795	3.585	0.000
	0.095	0.209	0.188	0.000

TABLE S229. KS distances on use of verbs in each 100 tokens. TAG: 5

	g.	p.	i.	h.
g.	0.000 0.000	7.560 0.025	3.017 0.010	13.784 0.054
p.	7.560 0.025	0.000 0.000	3.798 0.015	17.531 0.079
i.	3.017 0.010	3.798 0.015	0.000 0.000	14.216 0.064
h.	13.784 0.054	17.531 0.079	14.216 0.064	0.000 0.000

TABLE S230. KS distances on size of tokens. TAG: 6

	g.	p.	i.	h.
g.	0.000 0.000	2.973 0.019	1.025 0.006	2.601 0.019
p.	2.973 0.019	0.000 0.000	3.309 0.025	4.302 0.036
i.	1.025 0.006	3.309 0.025	0.000 0.000	2.257 0.019
h.	2.601 0.019	4.302 0.036	2.257 0.019	0.000 0.000

TABLE S231. KS distances on size of known words. TAG: 6

	g.	p.	i.	h.
g.	0.000 0.000	0.918 0.018	0.345 0.007	1.079 0.022
p.	0.918 0.018	0.000 0.000	1.034 0.025	1.519 0.038
i.	0.345 0.007	1.034 0.025	0.000 0.000	1.324 0.032
h.	1.079 0.022	1.519 0.038	1.324 0.032	0.000 0.000

TABLE S232. KS distances on size of sentences. TAG: 6

	g.	p.	i.	h.
g.	0.000 0.000	0.544 0.011	0.486 0.009	1.102 0.023
p.	0.544 0.011	0.000 0.000	0.674 0.016	1.340 0.034
i.	0.486 0.009	0.674 0.016	0.000 0.000	1.314 0.032
h.	1.102 0.023	1.340 0.034	1.314 0.032	0.000 0.000

TABLE S233. KS distances on use of adjectives on sentences. TAG: 6

	g.	p.	i.	h.
g.	0.000 0.000	0.997 0.020	0.444 0.009	1.504 0.031
p.	0.997 0.020	0.000 0.000	0.727 0.017	2.000 0.050
i.	0.444 0.009	0.727 0.017	0.000 0.000	1.736 0.042
h.	1.504 0.031	2.000 0.050	1.736 0.042	0.000 0.000

TABLE S234. KS distances on use of substantives on sentences. TAG: 6

	g.	p.	i.	h.
g.	0.000 0.000	0.862 0.017	0.434 0.008	1.213 0.025
p.	0.862 0.017	0.000 0.000	0.504 0.012	1.812 0.046
i.	0.434 0.008	0.504 0.012	0.000 0.000	1.243 0.030
h.	1.213 0.025	1.812 0.046	1.243 0.030	0.000 0.000

TABLE S235. KS distances on use of punctuations on sentences. TAG: 6

	g.	p.	i.	h.
g.	0.000 0.000	2.384 0.114	1.017 0.042	1.388 0.064
p.	2.384 0.114	0.000 0.000	2.625 0.144	3.092 0.180
i.	1.017 0.042	2.625 0.144	0.000 0.000	1.005 0.054
h.	1.388 0.064	3.092 0.180	1.005 0.054	0.000 0.000

TABLE S236. KS distances on use of number of characters in messages. TAG: 6

	g.	p.	i.	h.
g.	0.000 0.000	2.554 0.085	0.669 0.022	3.703 0.145
p.	2.554 0.085	0.000 0.000	2.294 0.091	5.000 0.225
i.	0.669 0.022	2.294 0.091	0.000 0.000	3.510 0.157
h.	3.703 0.145	5.000 0.225	3.510 0.157	0.000 0.000

TABLE S237. KS distances on use of verbs in each 100 tokens. TAG: 6

	g.	p.	i.	h.
g.	0.000 0.000	4.114 0.029	5.681 0.021	5.323 0.016
p.	4.114 0.029	0.000 0.000	1.798 0.013	6.285 0.045
i.	5.681 0.021	1.798 0.013	0.000 0.000	9.311 0.037
h.	5.323 0.016	6.285 0.045	9.311 0.037	0.000 0.000

TABLE S238. KS distances on size of tokens. TAG: 7

	g.	p.	i.	h.
g.	0.000 0.000	1.432 0.018	2.520 0.017	2.117 0.011
p.	1.432 0.018	0.000 0.000	0.564 0.008	2.268 0.030
i.	2.520 0.017	0.564 0.008	0.000 0.000	3.931 0.028
h.	2.117 0.011	2.268 0.030	3.931 0.028	0.000 0.000

TABLE S239. KS distances on size of known words. TAG: 7

	g.	p.	i.	h.
g.	0.000 0.000	0.989 0.037	0.441 0.008	0.337 0.005
p.	0.989 0.037	0.000 0.000	0.982 0.039	1.046 0.040
i.	0.441 0.008	0.982 0.039	0.000 0.000	0.639 0.013
h.	0.337 0.005	1.046 0.040	0.639 0.013	0.000 0.000

TABLE S240. KS distances on size of sentences. TAG: 7

	g.	p.	i.	h.
g.	0.000 0.000	0.725 0.027	0.423 0.008	0.456 0.007
p.	0.725 0.027	0.000 0.000	0.507 0.020	0.891 0.034
i.	0.423 0.008	0.507 0.020	0.000 0.000	0.737 0.015
h.	0.456 0.007	0.891 0.034	0.737 0.015	0.000 0.000

TABLE S241. KS distances on use of adjectives on sentences. TAG: 7

	g.	p.	i.	h.
g.	0.000 0.000	1.129 0.042	1.130 0.021	1.002 0.016
p.	1.129 0.042	0.000 0.000	0.782 0.031	1.476 0.056
i.	1.130 0.021	0.782 0.031	0.000 0.000	1.804 0.037
h.	1.002 0.016	1.476 0.056	1.804 0.037	0.000 0.000

TABLE S242. KS distances on use of substantives on sentences. TAG: 7

	g.	p.	i.	h.
g.	0.000 0.000	1.247 0.046	1.598 0.030	1.311 0.020
p.	1.247 0.046	0.000 0.000	0.527 0.021	1.751 0.066
i.	1.598 0.030	0.527 0.021	0.000 0.000	2.471 0.051
h.	1.311 0.020	1.751 0.066	2.471 0.051	0.000 0.000

TABLE S243. KS distances on use of punctuations on sentences. TAG: 7

	g.	p.	i.	h.
g.	0.000 0.000	1.156 0.098	0.874 0.039	0.562 0.021
p.	1.156 0.098	0.000 0.000	1.331 0.120	1.106 0.096
i.	0.874 0.039	1.331 0.120	0.000 0.000	1.233 0.059
h.	0.562 0.021	1.106 0.096	1.233 0.059	0.000 0.000

TABLE S244. KS distances on use of number of characters in messages. TAG: 7

	g.	p.	i.	h.
g.	0.000 0.000	3.009 0.211	2.811 0.103	3.064 0.094
p.	3.009 0.211	0.000 0.000	1.496 0.111	4.137 0.297
i.	2.811 0.103	1.496 0.111	0.000 0.000	4.662 0.186
h.	3.064 0.094	4.137 0.297	4.662 0.186	0.000 0.000

TABLE S245. KS distances on use of verbs in each 100 tokens. TAG: 7

	g.	p.	i.	h.
g.	0.000	2.417	0.642	0.640
	0.000	0.012	0.002	0.002
p.	2.417	0.000	2.495	2.623
	0.012	0.000	0.014	0.013
i.	0.642	2.495	0.000	4.726
	0.002	0.014	0.000	0.017
h.	0.640	2.623	4.726	0.000
	0.002	0.013	0.017	0.000

TABLE S246. KS distances on size of tokens. TAG: 8

	g.	p.	i.	h.
g.	0.000	2.382	5.683	4.451
	0.000	0.022	0.039	0.023
p.	2.382	0.000	1.770	4.603
	0.022	0.000	0.019	0.045
i.	5.683	1.770	0.000	8.480
	0.039	0.019	0.000	0.062
h.	4.451	4.603	8.480	0.000
	0.023	0.045	0.062	0.000

TABLE S247. KS distances on size of known words. TAG: 8

	g.	p.	i.	h.
g.	0.000	0.631	3.096	2.338
	0.000	0.018	0.060	0.037
p.	0.631	0.000	1.668	1.793
	0.018	0.000	0.053	0.053
i.	3.096	1.668	0.000	4.593
	0.060	0.053	0.000	0.097
h.	2.338	1.793	4.593	0.000
	0.037	0.053	0.097	0.000

TABLE S248. KS distances on size of sentences. TAG: 8

	g.	p.	i.	h.
g.	0.000	0.374	0.685	0.480
	0.000	0.011	0.013	0.008
p.	0.374	0.000	0.633	0.449
	0.011	0.000	0.020	0.013
i.	0.685	0.633	0.000	0.908
	0.013	0.020	0.000	0.019
h.	0.480	0.449	0.908	0.000
	0.008	0.013	0.019	0.000

TABLE S249. KS distances on use of adjectives on sentences. TAG: 8

	g.	p.	i.	h.
g.	0.000	1.042	2.338	2.023
	0.000	0.030	0.045	0.032
p.	1.042	0.000	0.942	2.080
	0.030	0.000	0.030	0.062
i.	2.338	0.942	0.000	3.661
	0.045	0.030	0.000	0.077
h.	2.023	2.080	3.661	0.000
	0.032	0.062	0.077	0.000

TABLE S250. KS distances on use of substantives on sentences. TAG: 8

	g.	p.	i.	h.
g.	0.000	1.380	3.583	2.894
	0.000	0.039	0.069	0.046
p.	1.380	0.000	1.718	2.871
	0.039	0.000	0.054	0.085
i.	3.583	1.718	0.000	5.398
	0.069	0.054	0.000	0.114
h.	2.894	2.871	5.398	0.000
	0.046	0.085	0.114	0.000

TABLE S251. KS distances on use of punctuations on sentences. TAG: 8

	g.	p.	i.	h.
g.	0.000	0.502	1.094	0.501
	0.000	0.033	0.055	0.018
p.	0.502	0.000	1.095	0.765
	0.033	0.000	0.084	0.052
i.	1.094	1.095	0.000	1.356
	0.055	0.084	0.000	0.073
h.	0.501	0.765	1.356	0.000
	0.018	0.052	0.073	0.000

TABLE S252. KS distances on use of number of characters in messages. TAG: 8

	g.	p.	i.	h.
g.	0.000	1.388	1.981	1.315
	0.000	0.067	0.067	0.034
p.	1.388	0.000	1.313	1.693
	0.067	0.000	0.072	0.085
i.	1.981	1.313	0.000	2.722
	0.067	0.072	0.000	0.099
h.	1.315	1.693	2.722	0.000
	0.034	0.085	0.099	0.000

TABLE S253. KS distances on use of verbs in each 100 tokens. TAG: 8

	g.	p.	i.	h.
g.	0.000 0.000	10.172 0.071	3.551 0.014	8.081 0.032
p.	10.172 0.071	0.000 0.000	7.714 0.057	13.923 0.103
i.	3.551 0.014	7.714 0.057	0.000 0.000	9.904 0.046
h.	8.081 0.032	13.923 0.103	9.904 0.046	0.000 0.000

TABLE S254. KS distances on size of tokens. TAG: 9

	g.	p.	i.	h.
g.	0.000 0.000	1.743 0.022	2.918 0.020	3.279 0.022
p.	1.743 0.022	0.000 0.000	1.614 0.021	2.742 0.036
i.	2.918 0.020	1.614 0.021	0.000 0.000	5.275 0.041
h.	3.279 0.022	2.742 0.036	5.275 0.041	0.000 0.000

TABLE S255. KS distances on size of known words. TAG: 9

	g.	p.	i.	h.
g.	0.000 0.000	1.186 0.046	2.844 0.059	2.682 0.051
p.	1.186 0.046	0.000 0.000	1.464 0.060	2.150 0.086
i.	2.844 0.059	1.464 0.060	0.000 0.000	4.679 0.109
h.	2.682 0.051	2.150 0.086	4.679 0.109	0.000 0.000

TABLE S256. KS distances on size of sentences. TAG: 9

	g.	p.	i.	h.
g.	0.000 0.000	1.498 0.058	0.465 0.010	0.391 0.007
p.	1.498 0.058	0.000 0.000	1.484 0.061	1.628 0.065
i.	0.465 0.010	1.484 0.061	0.000 0.000	0.576 0.013
h.	0.391 0.007	1.628 0.065	0.576 0.013	0.000 0.000

TABLE S257. KS distances on use of adjectives on sentences. TAG: 9

	g.	p.	i.	h.
g.	0.000 0.000	1.531 0.059	3.280 0.068	2.936 0.055
p.	1.531 0.059	0.000 0.000	1.167 0.048	3.115 0.125
i.	3.280 0.068	1.167 0.048	0.000 0.000	5.294 0.124
h.	2.936 0.055	3.115 0.125	5.294 0.124	0.000 0.000

TABLE S258. KS distances on use of substantives on sentences. TAG: 9

	g.	p.	i.	h.
g.	0.000 0.000	2.128 0.082	2.361 0.049	2.445 0.046
p.	2.128 0.082	0.000 0.000	1.401 0.057	2.872 0.115
i.	2.361 0.049	1.401 0.057	0.000 0.000	4.079 0.095
h.	2.445 0.046	2.872 0.115	4.079 0.095	0.000 0.000

TABLE S259. KS distances on use of punctuations on sentences. TAG: 9

	g.	p.	i.	h.
g.	0.000 0.000	1.752 0.141	2.111 0.094	1.993 0.074
p.	1.752 0.141	0.000 0.000	0.821 0.071	2.494 0.206
i.	2.111 0.094	0.821 0.071	0.000 0.000	3.424 0.165
h.	1.993 0.074	2.494 0.206	3.424 0.165	0.000 0.000

TABLE S260. KS distances on use of number of characters in messages. TAG: 9

	g.	p.	i.	h.
g.	0.000 0.000	2.951 0.205	2.351 0.092	3.529 0.139
p.	2.951 0.205	0.000 0.000	1.733 0.127	4.611 0.339
i.	2.351 0.092	1.733 0.127	0.000 0.000	4.872 0.226
h.	3.529 0.139	4.611 0.339	4.872 0.226	0.000 0.000

TABLE S261. KS distances on use of verbs in each 100 tokens. TAG: 9

	g.	p.	i.	h.
g.	0.000	3.874	1.733	1.013
	0.000	0.018	0.006	0.004
p.	3.874	0.000	4.616	3.882
	0.018	0.000	0.024	0.022
i.	1.733	4.616	0.000	1.787
	0.006	0.024	0.000	0.008
h.	1.013	3.882	1.787	0.000
	0.004	0.022	0.008	0.000

TABLE S262. KS distances on size of tokens. TAG: 10

	g.	p.	i.	h.
g.	0.000	2.115	2.146	1.475
	0.000	0.019	0.013	0.011
p.	2.115	0.000	3.342	1.080
	0.019	0.000	0.033	0.012
i.	2.146	3.342	0.000	2.922
	0.013	0.033	0.000	0.025
h.	1.475	1.080	2.922	0.000
	0.011	0.012	0.025	0.000

TABLE S263. KS distances on size of known words. TAG: 10

	g.	p.	i.	h.
g.	0.000	0.822	0.771	1.530
	0.000	0.017	0.011	0.029
p.	0.822	0.000	0.967	1.527
	0.017	0.000	0.022	0.039
i.	0.771	0.967	0.000	1.713
	0.011	0.022	0.000	0.035
h.	1.530	1.527	1.713	0.000
	0.029	0.039	0.035	0.000

TABLE S264. KS distances on size of sentences. TAG: 10

	g.	p.	i.	h.
g.	0.000	0.379	0.348	0.576
	0.000	0.008	0.005	0.011
p.	0.379	0.000	0.576	0.481
	0.008	0.000	0.013	0.012
i.	0.348	0.576	0.000	0.779
	0.005	0.013	0.000	0.016
h.	0.576	0.481	0.779	0.000
	0.011	0.012	0.016	0.000

TABLE S265. KS distances on use of adjectives on sentences. TAG: 10

	g.	p.	i.	h.
g.	0.000	1.109	0.795	1.138
	0.000	0.023	0.012	0.021
p.	1.109	0.000	1.314	1.657
	0.023	0.000	0.030	0.042
i.	0.795	1.314	0.000	1.501
	0.012	0.030	0.000	0.031
h.	1.138	1.657	1.501	0.000
	0.021	0.042	0.031	0.000

TABLE S266. KS distances on use of substantives on sentences. TAG: 10

	g.	p.	i.	h.
g.	0.000	1.520	0.354	1.101
	0.000	0.032	0.005	0.021
p.	1.520	0.000	1.494	2.075
	0.032	0.000	0.034	0.053
i.	0.354	1.494	0.000	0.918
	0.005	0.034	0.000	0.019
h.	1.101	2.075	0.918	0.000
	0.021	0.053	0.019	0.000

TABLE S267. KS distances on use of punctuations on sentences. TAG: 10

	g.	p.	i.	h.
g.	0.000	0.869	0.996	1.042
	0.000	0.046	0.038	0.051
p.	0.869	0.000	1.465	1.305
	0.046	0.000	0.084	0.085
i.	0.996	1.465	0.000	1.549
	0.038	0.084	0.000	0.083
h.	1.042	1.305	1.549	0.000
	0.051	0.085	0.083	0.000

TABLE S268. KS distances on use of number of characters in messages. TAG: 10

	g.	p.	i.	h.
g.	0.000	0.971	1.076	0.543
	0.000	0.046	0.036	0.023
p.	0.971	0.000	1.551	1.074
	0.046	0.000	0.079	0.061
i.	1.076	1.551	0.000	0.532
	0.036	0.079	0.000	0.024
h.	0.543	1.074	0.532	0.000
	0.023	0.061	0.024	0.000

TABLE S269. KS distances on use of verbs in each 100 tokens. TAG: 10

	g.	p.	i.	h.
g.	0.000	6.484	1.368	4.360
	0.000	0.020	0.004	0.012
p.	6.484	0.000	6.505	8.727
	0.020	0.000	0.023	0.032
i.	1.368	6.505	0.000	3.231
	0.004	0.023	0.000	0.011
h.	4.360	8.727	3.231	0.000
	0.012	0.032	0.011	0.000

TABLE S270. KS distances on size of tokens. TAG: 11

	g.	p.	i.	h.
g.	0.000	6.321	1.329	4.723
	0.000	0.034	0.006	0.023
p.	6.321	0.000	6.003	8.938
	0.034	0.000	0.037	0.058
i.	1.329	6.003	0.000	3.510
	0.006	0.037	0.000	0.020
h.	4.723	8.938	3.510	0.000
	0.023	0.058	0.020	0.000

TABLE S271. KS distances on size of known words. TAG: 11

	g.	p.	i.	h.
g.	0.000	1.247	1.608	1.852
	0.000	0.021	0.024	0.029
p.	1.247	0.000	1.768	1.939
	0.021	0.000	0.035	0.039
i.	1.608	1.768	0.000	2.725
	0.024	0.035	0.000	0.050
h.	1.852	1.939	2.725	0.000
	0.029	0.039	0.050	0.000

TABLE S272. KS distances on size of sentences. TAG: 11

	g.	p.	i.	h.
g.	0.000	1.905	0.878	1.622
	0.000	0.032	0.013	0.025
p.	1.905	0.000	1.659	2.850
	0.032	0.000	0.032	0.057
i.	0.878	1.659	0.000	1.379
	0.013	0.032	0.000	0.025
h.	1.622	2.850	1.379	0.000
	0.025	0.057	0.025	0.000

TABLE S273. KS distances on use of adjectives on sentences. TAG: 11

	g.	p.	i.	h.
g.	0.000	1.379	1.506	2.664
	0.000	0.023	0.022	0.041
p.	1.379	0.000	1.059	3.204
	0.023	0.000	0.021	0.065
i.	1.506	1.059	0.000	3.454
	0.022	0.021	0.000	0.063
h.	2.664	3.204	3.454	0.000
	0.041	0.065	0.063	0.000

TABLE S274. KS distances on use of substantives on sentences. TAG: 11

	g.	p.	i.	h.
g.	0.000	1.329	1.188	0.830
	0.000	0.023	0.017	0.013
p.	1.329	0.000	1.839	1.214
	0.023	0.000	0.036	0.024
i.	1.188	1.839	0.000	1.621
	0.017	0.036	0.000	0.030
h.	0.830	1.214	1.621	0.000
	0.013	0.024	0.030	0.000

TABLE S275. KS distances on use of punctuations on sentences. TAG: 11

	g.	p.	i.	h.
g.	0.000	1.908	0.947	1.813
	0.000	0.099	0.040	0.077
p.	1.908	0.000	1.529	2.853
	0.099	0.000	0.090	0.169
i.	0.947	1.529	0.000	2.206
	0.040	0.090	0.000	0.112
h.	1.813	2.853	2.206	0.000
	0.077	0.169	0.112	0.000

TABLE S276. KS distances on use of number of characters in messages. TAG: 11

	g.	p.	i.	h.
g.	0.000	0.782	0.877	0.882
	0.000	0.024	0.023	0.025
p.	0.782	0.000	0.974	1.218
	0.024	0.000	0.035	0.045
i.	0.877	0.974	0.000	1.454
	0.023	0.035	0.000	0.048
h.	0.882	1.218	1.454	0.000
	0.025	0.045	0.048	0.000

TABLE S277. KS distances on use of verbs in each 100 tokens. TAG: 11

	g.	p.	i.	h.
g.	0.000 0.000	2.045 0.012	5.602 0.020	11.791 0.062
p.	2.045 0.012	0.000 0.000	2.955 0.018	9.288 0.066
i.	5.602 0.020	2.955 0.018	0.000 0.000	14.807 0.081
h.	11.791 0.062	9.288 0.066	14.807 0.081	0.000 0.000

TABLE S278. KS distances on size of tokens. TAG: 12

	g.	p.	i.	h.
g.	0.000 0.000	1.811 0.020	2.445 0.016	3.490 0.032
p.	1.811 0.020	0.000 0.000	2.955 0.034	2.425 0.032
i.	2.445 0.016	2.955 0.034	0.000 0.000	4.937 0.049
h.	3.490 0.032	2.425 0.032	4.937 0.049	0.000 0.000

TABLE S279. KS distances on size of known words. TAG: 12

	g.	p.	i.	h.
g.	0.000 0.000	0.899 0.030	0.581 0.011	0.718 0.019
p.	0.899 0.030	0.000 0.000	1.054 0.036	1.253 0.048
i.	0.581 0.011	1.054 0.036	0.000 0.000	1.177 0.033
h.	0.718 0.019	1.253 0.048	1.177 0.033	0.000 0.000

TABLE S280. KS distances on size of sentences. TAG: 12

	g.	p.	i.	h.
g.	0.000 0.000	0.589 0.019	0.614 0.012	0.822 0.022
p.	0.589 0.019	0.000 0.000	0.909 0.031	0.646 0.025
i.	0.614 0.012	0.909 0.031	0.000 0.000	1.104 0.031
h.	0.822 0.022	0.646 0.025	1.104 0.031	0.000 0.000

TABLE S281. KS distances on use of adjectives on sentences. TAG: 12

	g.	p.	i.	h.
g.	0.000 0.000	1.196 0.039	0.802 0.016	2.241 0.059
p.	1.196 0.039	0.000 0.000	0.693 0.024	2.543 0.098
i.	0.802 0.016	0.693 0.024	0.000 0.000	2.697 0.076
h.	2.241 0.059	2.543 0.098	2.697 0.076	0.000 0.000

TABLE S282. KS distances on use of substantives on sentences. TAG: 12

	g.	p.	i.	h.
g.	0.000 0.000	1.222 0.040	1.040 0.020	2.637 0.069
p.	1.222 0.040	0.000 0.000	0.731 0.025	2.798 0.108
i.	1.040 0.020	0.731 0.025	0.000 0.000	3.192 0.090
h.	2.637 0.069	2.798 0.108	3.192 0.090	0.000 0.000

TABLE S283. KS distances on use of punctuations on sentences. TAG: 12

	g.	p.	i.	h.
g.	0.000 0.000	2.681 0.186	5.068 0.208	5.868 0.233
p.	2.681 0.186	0.000 0.000	1.244 0.092	5.643 0.414
i.	5.068 0.208	1.244 0.092	0.000 0.000	9.278 0.442
h.	5.868 0.233	5.643 0.414	9.278 0.442	0.000 0.000

TABLE S284. KS distances on use of number of characters in messages. TAG: 12

	g.	p.	i.	h.
g.	0.000 0.000	1.799 0.104	2.706 0.096	6.031 0.315
p.	1.799 0.104	0.000 0.000	1.036 0.062	5.862 0.419
i.	2.706 0.096	1.036 0.062	0.000 0.000	7.437 0.409
h.	6.031 0.315	5.862 0.419	7.437 0.409	0.000 0.000

TABLE S285. KS distances on use of verbs in each 100 tokens. TAG: 12

	g.	p.	i.	h.
g.	0.000 0.000	20.813 0.071	19.624 0.062	7.178 0.029
p.	20.813 0.071	0.000 0.000	33.642 0.133	14.261 0.067
i.	19.624 0.062	33.642 0.133	0.000 0.000	15.763 0.071
h.	7.178 0.029	14.261 0.067	15.763 0.071	0.000 0.000

TABLE S286. KS distances on size of tokens. TAG: 13

	g.	p.	i.	h.
g.	0.000 0.000	3.545 0.027	4.547 0.027	5.184 0.039
p.	3.545 0.027	0.000 0.000	4.726 0.040	3.640 0.035
i.	4.547 0.027	4.726 0.040	0.000 0.000	7.983 0.066
h.	5.184 0.039	3.640 0.035	7.983 0.066	0.000 0.000

TABLE S287. KS distances on size of known words. TAG: 13

	g.	p.	i.	h.
g.	0.000 0.000	0.125 0.003	0.248 0.006	0.397 0.010
p.	0.125 0.003	0.000 0.000	0.257 0.008	13.499 0.424
i.	0.248 0.006	0.257 0.008	0.000 0.000	0.529 0.016
h.	0.397 0.010	13.499 0.424	0.529 0.016	0.000 0.000

TABLE S288. KS distances on size of sentences. TAG: 13

	g.	p.	i.	h.
g.	0.000 0.000	3.952 0.099	1.974 0.048	2.021 0.053
p.	3.952 0.099	0.000 0.000	4.883 0.147	4.821 0.151
i.	1.974 0.048	4.883 0.147	0.000 0.000	0.471 0.015
h.	2.021 0.053	4.821 0.151	0.471 0.015	0.000 0.000

TABLE S289. KS distances on use of adjectives on sentences. TAG: 13

	g.	p.	i.	h.
g.	0.000 0.000	0.338 0.008	0.177 0.004	0.415 0.011
p.	0.338 0.008	0.000 0.000	0.241 0.007	15.736 0.494
i.	0.177 0.004	0.241 0.007	0.000 0.000	0.387 0.012
h.	0.415 0.011	15.736 0.494	0.387 0.012	0.000 0.000

TABLE S290. KS distances on use of substantives on sentences. TAG: 13

	g.	p.	i.	h.
g.	0.000 0.000	0.227 0.006	0.349 0.009	0.183 0.005
p.	0.227 0.006	0.000 0.000	0.453 0.014	7.858 0.247
i.	0.349 0.009	0.453 0.014	0.000 0.000	0.429 0.013
h.	0.183 0.005	7.858 0.247	0.429 0.013	0.000 0.000

TABLE S291. KS distances on use of punctuations on sentences. TAG: 13

	g.	p.	i.	h.
g.	0.000 0.000	4.000 0.152	4.959 0.279	2.105 0.100
p.	4.000 0.152	0.000 0.000	7.175 0.431	4.838 0.252
i.	4.959 0.279	7.175 0.431	0.000 0.000	4.185 0.279
h.	2.105 0.100	4.838 0.252	4.185 0.279	0.000 0.000

TABLE S292. KS distances on use of number of characters in messages. TAG: 13

	g.	p.	i.	h.
g.	0.000 0.000	4.129 0.141	1.847 0.058	5.456 0.220
p.	4.129 0.141	0.000 0.000	3.831 0.151	7.706 0.361
i.	1.847 0.058	3.831 0.151	0.000 0.000	4.889 0.220
h.	5.456 0.220	7.706 0.361	4.889 0.220	0.000 0.000

TABLE S293. KS distances on use of verbs in each 100 tokens. TAG: 13

	g.	p.	i.	h.
g.	0.000	3.150	1.257	1.842
	0.000	0.019	0.004	0.006
p.	3.150	0.000	2.799	3.932
	0.019	0.000	0.017	0.025
i.	1.257	2.799	0.000	1.980
	0.004	0.017	0.000	0.007
h.	1.842	3.932	1.980	0.000
	0.006	0.025	0.007	0.000

TABLE S294. KS distances on size of tokens. TAG: 14

	g.	p.	i.	h.
g.	0.000	1.969	0.759	1.687
	0.000	0.021	0.004	0.010
p.	1.969	0.000	1.509	2.729
	0.021	0.000	0.017	0.031
i.	0.759	1.509	0.000	2.104
	0.004	0.017	0.000	0.014
h.	1.687	2.729	2.104	0.000
	0.010	0.031	0.014	0.000

TABLE S295. KS distances on size of known words. TAG: 14

	g.	p.	i.	h.
g.	0.000	0.674	1.448	1.711
	0.000	0.019	0.021	0.026
p.	0.674	0.000	0.481	1.453
	0.019	0.000	0.014	0.043
i.	1.448	0.481	0.000	2.694
	0.021	0.014	0.000	0.047
h.	1.711	1.453	2.694	0.000
	0.026	0.043	0.047	0.000

TABLE S296. KS distances on size of sentences. TAG: 14

	g.	p.	i.	h.
g.	0.000	1.982	0.287	1.103
	0.000	0.056	0.004	0.017
p.	1.982	0.000	1.764	2.439
	0.056	0.000	0.052	0.073
i.	0.287	1.764	0.000	1.175
	0.004	0.052	0.000	0.021
h.	1.103	2.439	1.175	0.000
	0.017	0.073	0.021	0.000

TABLE S297. KS distances on use of adjectives on sentences. TAG: 14

	g.	p.	i.	h.
g.	0.000	0.923	0.590	0.823
	0.000	0.026	0.009	0.013
p.	0.923	0.000	0.941	1.386
	0.026	0.000	0.028	0.041
i.	0.590	0.941	0.000	1.207
	0.009	0.028	0.000	0.021
h.	0.823	1.386	1.207	0.000
	0.013	0.041	0.021	0.000

TABLE S298. KS distances on use of substantives on sentences. TAG: 14

	g.	p.	i.	h.
g.	0.000	0.437	1.825	2.110
	0.000	0.012	0.027	0.032
p.	0.437	0.000	0.571	1.412
	0.012	0.000	0.017	0.042
i.	1.825	0.571	0.000	3.355
	0.027	0.017	0.000	0.059
h.	2.110	1.412	3.355	0.000
	0.032	0.042	0.059	0.000

TABLE S299. KS distances on use of punctuations on sentences. TAG: 14

	g.	p.	i.	h.
g.	0.000	1.180	1.722	1.984
	0.000	0.088	0.070	0.078
p.	1.180	0.000	0.549	2.151
	0.088	0.000	0.043	0.168
i.	1.722	0.549	0.000	3.149
	0.070	0.043	0.000	0.149
h.	1.984	2.151	3.149	0.000
	0.078	0.168	0.149	0.000

TABLE S300. KS distances on use of number of characters in messages. TAG: 14

	g.	p.	i.	h.
g.	0.000	1.122	0.450	0.660
	0.000	0.066	0.014	0.022
p.	1.122	0.000	1.248	1.209
	0.066	0.000	0.077	0.076
i.	0.450	1.248	0.000	0.565
	0.014	0.077	0.000	0.021
h.	0.660	1.209	0.565	0.000
	0.022	0.076	0.021	0.000

TABLE S301. KS distances on use of verbs in each 100 tokens. TAG: 14

	g.	p.	i.	h.
g.	0.000 0.000	17.655 0.105	2.754 0.012	7.060 0.026
p.	17.655 0.105	0.000 0.000	16.831 0.113	20.801 0.132
i.	2.754 0.012	16.831 0.113	0.000 0.000	3.867 0.019
h.	7.060 0.026	20.801 0.132	3.867 0.019	0.000 0.000

TABLE S302. KS distances on size of tokens. TAG: 15

	g.	p.	i.	h.
g.	0.000 0.000	7.416 0.085	2.106 0.016	3.280 0.022
p.	7.416 0.085	0.000 0.000	6.935 0.088	8.643 0.104
i.	2.106 0.016	6.935 0.088	0.000 0.000	2.821 0.024
h.	3.280 0.022	8.643 0.104	2.821 0.024	0.000 0.000

TABLE S303. KS distances on size of known words. TAG: 15

	g.	p.	i.	h.
g.	0.000 0.000	0.582 0.021	1.148 0.026	0.789 0.015
p.	0.582 0.021	0.000 0.000	1.116 0.043	0.591 0.022
i.	1.148 0.026	1.116 0.043	0.000 0.000	1.651 0.041
h.	0.789 0.015	0.591 0.022	1.651 0.041	0.000 0.000

TABLE S304. KS distances on size of sentences. TAG: 15

	g.	p.	i.	h.
g.	0.000 0.000	1.696 0.060	1.392 0.031	1.672 0.033
p.	1.696 0.060	0.000 0.000	1.012 0.039	2.366 0.088
i.	1.392 0.031	1.012 0.039	0.000 0.000	2.565 0.064
h.	1.672 0.033	2.366 0.088	2.565 0.064	0.000 0.000

TABLE S305. KS distances on use of adjectives on sentences. TAG: 15

	g.	p.	i.	h.
g.	0.000 0.000	1.775 0.063	0.395 0.009	0.733 0.014
p.	1.775 0.063	0.000 0.000	1.857 0.072	2.106 0.078
i.	0.395 0.009	1.857 0.072	0.000 0.000	0.752 0.019
h.	0.733 0.014	2.106 0.078	0.752 0.019	0.000 0.000

TABLE S306. KS distances on use of substantives on sentences. TAG: 15

	g.	p.	i.	h.
g.	0.000 0.000	1.061 0.038	2.056 0.046	1.159 0.023
p.	1.061 0.038	0.000 0.000	2.165 0.084	1.189 0.044
i.	2.056 0.046	2.165 0.084	0.000 0.000	2.759 0.069
h.	1.159 0.023	1.189 0.044	2.759 0.069	0.000 0.000

TABLE S307. KS distances on use of punctuations on sentences. TAG: 15

	g.	p.	i.	h.
g.	0.000 0.000	1.609 0.119	1.642 0.078	1.543 0.056
p.	1.609 0.119	0.000 0.000	0.587 0.048	2.302 0.175
i.	1.642 0.078	0.587 0.048	0.000 0.000	2.871 0.145
h.	1.543 0.056	2.302 0.175	2.871 0.145	0.000 0.000

TABLE S308. KS distances on use of number of characters in messages. TAG: 15

	g.	p.	i.	h.
g.	0.000 0.000	4.307 0.257	0.967 0.042	2.325 0.087
p.	4.307 0.257	0.000 0.000	3.647 0.245	5.298 0.336
i.	0.967 0.042	3.647 0.245	0.000 0.000	2.554 0.123
h.	2.325 0.087	5.298 0.336	2.554 0.123	0.000 0.000

TABLE S309. KS distances on use of verbs in each 100 tokens. TAG: 15

	g.	p.	i.	h.
g.	0.000 0.000	5.729 0.032	4.921 0.017	7.735 0.028
p.	5.729 0.032	0.000 0.000	6.372 0.038	9.031 0.055
i.	4.921 0.017	6.372 0.038	0.000 0.000	10.746 0.045
h.	7.735 0.028	9.031 0.055	10.746 0.045	0.000 0.000

TABLE S310. KS distances on size of tokens. TAG: 16

	g.	p.	i.	h.
g.	0.000 0.000	2.320 0.024	3.051 0.019	3.044 0.019
p.	2.320 0.024	0.000 0.000	3.890 0.043	2.331 0.026
i.	3.051 0.019	3.890 0.043	0.000 0.000	4.846 0.036
h.	3.044 0.019	2.331 0.026	4.846 0.036	0.000 0.000

TABLE S311. KS distances on size of known words. TAG: 16

	g.	p.	i.	h.
g.	0.000 0.000	0.896 0.027	1.145 0.020	1.472 0.025
p.	0.896 0.027	0.000 0.000	0.245 0.008	1.645 0.052
i.	1.145 0.020	0.245 0.008	0.000 0.000	2.173 0.045
h.	1.472 0.025	1.645 0.052	2.173 0.045	0.000 0.000

TABLE S312. KS distances on size of sentences. TAG: 16

	g.	p.	i.	h.
g.	0.000 0.000	0.432 0.013	0.792 0.014	0.553 0.009
p.	0.432 0.013	0.000 0.000	0.843 0.027	0.169 0.005
i.	0.792 0.014	0.843 0.027	0.000 0.000	1.145 0.024
h.	0.553 0.009	0.169 0.005	1.145 0.024	0.000 0.000

TABLE S313. KS distances on use of adjectives on sentences. TAG: 16

	g.	p.	i.	h.
g.	0.000 0.000	2.242 0.067	1.868 0.033	2.732 0.047
p.	2.242 0.067	0.000 0.000	1.061 0.034	3.599 0.114
i.	1.868 0.033	1.061 0.034	0.000 0.000	3.892 0.080
h.	2.732 0.047	3.599 0.114	3.892 0.080	0.000 0.000

TABLE S314. KS distances on use of substantives on sentences. TAG: 16

	g.	p.	i.	h.
g.	0.000 0.000	1.875 0.056	1.813 0.032	2.532 0.043
p.	1.875 0.056	0.000 0.000	0.751 0.024	3.144 0.099
i.	1.813 0.032	0.751 0.024	0.000 0.000	3.678 0.076
h.	2.532 0.043	3.144 0.099	3.678 0.076	0.000 0.000

TABLE S315. KS distances on use of punctuations on sentences. TAG: 16

	g.	p.	i.	h.
g.	0.000 0.000	0.942 0.064	0.591 0.024	0.992 0.040
p.	0.942 0.064	0.000 0.000	0.579 0.042	1.438 0.104
i.	0.591 0.024	0.579 0.042	0.000 0.000	1.608 0.077
h.	0.992 0.040	1.438 0.104	1.608 0.077	0.000 0.000

TABLE S316. KS distances on use of number of characters in messages. TAG: 16

	g.	p.	i.	h.
g.	0.000 0.000	2.629 0.147	2.205 0.076	3.487 0.125
p.	2.629 0.147	0.000 0.000	1.254 0.075	4.380 0.266
i.	2.205 0.076	1.254 0.075	0.000 0.000	4.569 0.191
h.	3.487 0.125	4.380 0.266	4.569 0.191	0.000 0.000

TABLE S317. KS distances on use of verbs in each 100 tokens. TAG: 16

	g.	p.	i.	h.
g.	0.000	3.346	2.210	0.598
	0.000	0.016	0.007	0.001
p.	3.346	0.000	3.725	3.469
	0.016	0.000	0.021	0.017
i.	2.210	3.725	0.000	2.243
	0.007	0.021	0.000	0.007
h.	0.598	3.469	2.243	0.000
	0.001	0.017	0.007	0.000

TABLE S318. KS distances on size of tokens. TAG: 17

	g.	p.	i.	h.
g.	0.000	1.032	4.842	1.556
	0.000	0.008	0.026	0.004
p.	1.032	0.000	3.414	1.561
	0.008	0.000	0.031	0.012
i.	4.842	3.414	0.000	5.469
	0.026	0.031	0.000	0.030
h.	1.556	1.561	5.469	0.000
	0.004	0.012	0.030	0.000

TABLE S319. KS distances on size of known words. TAG: 17

	g.	p.	i.	h.
g.	0.000	4.185	3.562	1.657
	0.000	0.103	0.057	0.013
p.	4.185	0.000	2.546	4.632
	0.103	0.000	0.072	0.114
i.	3.562	2.546	0.000	4.357
	0.057	0.072	0.000	0.071
h.	1.657	4.632	4.357	0.000
	0.013	0.114	0.071	0.000

TABLE S320. KS distances on size of sentences. TAG: 17

	g.	p.	i.	h.
g.	0.000	2.305	1.155	0.757
	0.000	0.057	0.019	0.006
p.	2.305	0.000	1.342	2.532
	0.057	0.000	0.038	0.063
i.	1.155	1.342	0.000	1.504
	0.019	0.038	0.000	0.024
h.	0.757	2.532	1.504	0.000
	0.006	0.063	0.024	0.000

TABLE S321. KS distances on use of adjectives on sentences. TAG: 17

	g.	p.	i.	h.
g.	0.000	5.563	4.962	2.402
	0.000	0.137	0.080	0.019
p.	5.563	0.000	2.259	6.272
	0.137	0.000	0.064	0.155
i.	4.962	2.259	0.000	6.036
	0.080	0.064	0.000	0.098
h.	2.402	6.272	6.036	0.000
	0.019	0.155	0.098	0.000

TABLE S322. KS distances on use of substantives on sentences. TAG: 17

	g.	p.	i.	h.
g.	0.000	1.677	0.723	0.306
	0.000	0.041	0.012	0.002
p.	1.677	0.000	1.462	1.762
	0.041	0.000	0.042	0.044
i.	0.723	1.462	0.000	0.823
	0.012	0.042	0.000	0.013
h.	0.306	1.762	0.823	0.000
	0.002	0.044	0.013	0.000

TABLE S323. KS distances on use of punctuations on sentences. TAG: 17

	g.	p.	i.	h.
g.	0.000	1.484	2.499	1.339
	0.000	0.125	0.134	0.047
p.	1.484	0.000	1.050	1.769
	0.125	0.000	0.099	0.151
i.	2.499	1.050	0.000	3.244
	0.134	0.099	0.000	0.180
h.	1.339	1.769	3.244	0.000
	0.047	0.151	0.180	0.000

TABLE S324. KS distances on use of number of characters in messages. TAG: 17

	g.	p.	i.	h.
g.	0.000	2.318	1.093	0.880
	0.000	0.110	0.036	0.014
p.	2.318	0.000	1.491	2.608
	0.110	0.000	0.083	0.125
i.	1.093	1.491	0.000	1.398
	0.036	0.083	0.000	0.046
h.	0.880	2.608	1.398	0.000
	0.014	0.125	0.046	0.000

TABLE S325. KS distances on use of verbs in each 100 tokens. TAG: 17

D. Correlation of topological and textual metrics

1. Snapshots of 2000 messages

	cc	d	s	$\mu_S(p)$	$\sigma_S(p)$	$\mu_S(kw)$	$\sigma_S(kw)$	$\mu_S(sw)$	$\sigma_S(sw)$
cc	**1.00**	0.00	-0.00	-0.10	-0.01	-0.09	-0.05	-0.05	0.00
(p.)	**1.00**	0.44	0.22	-0.05	-0.04	-0.05	-0.04	-0.03	-0.03
(i.)	**1.00**	-0.41	-0.21	-0.09	-0.09	-0.16	-0.14	-0.20	-0.17
(h.)	**1.00**	**-0.73**	**-0.71**	0.32	0.36	0.17	0.28	-0.02	0.25
d	0.00	**1.00**	**0.99**	-0.05	-0.03	-0.04	-0.02	0.01	0.04
	0.44	**1.00**	**0.68**	-0.03	0.02	-0.02	0.01	0.01	0.08
	-0.41	**1.00**	**0.78**	-0.03	0.21	0.00	0.19	0.07	0.24
	-0.73	**1.00**	**0.99**	-0.29	-0.28	-0.23	-0.24	-0.14	-0.24
s	-0.00	**0.99**	**1.00**	-0.05	-0.00	-0.04	-0.01	0.01	0.07
	0.22	**0.68**	**1.00**	0.01	0.17	0.02	0.16	0.05	0.20
	-0.21	**0.78**	**1.00**	-0.02	0.37	-0.00	0.31	0.09	0.44
	-0.71	**0.99**	**1.00**	-0.26	-0.26	-0.22	-0.22	-0.14	-0.23
$\mu_S(p)$	-0.10	-0.05	-0.05	**1.00**	0.46	**0.91**	0.50	**0.85**	0.22
	-0.05	-0.03	0.01	**1.00**	0.50	**0.91**	0.51	**0.88**	0.29
	-0.09	-0.03	-0.02	**1.00**	**0.71**	**0.76**	**0.66**	0.50	0.45
	0.32	-0.29	-0.26	**1.00**	**0.99**	**0.98**	**1.00**	**0.86**	**0.95**
$\sigma_S(p)$	-0.01	-0.03	-0.00	0.46	**1.00**	0.56	**0.91**	0.31	**0.75**
	-0.04	0.02	0.17	0.50	**1.00**	**0.64**	**0.94**	0.30	**0.71**
	-0.09	0.21	0.37	**0.71**	**1.00**	0.50	**0.87**	0.42	**0.87**
	0.36	-0.28	-0.26	**0.99**	**1.00**	**0.96**	**0.99**	**0.84**	**0.95**
$\mu_S(kw)$	-0.09	-0.04	-0.04	**0.91**	0.56	**1.00**	**0.68**	**0.80**	0.34
	-0.05	-0.02	0.02	**0.91**	**0.64**	**1.00**	**0.71**	**0.81**	0.47
	-0.16	0.00	-0.00	**0.76**	0.50	**1.00**	**0.66**	**0.76**	0.44
	0.17	-0.23	-0.22	**0.98**	**0.96**	**1.00**	**0.98**	**0.94**	**0.96**
$\sigma_S(kw)$	-0.05	-0.02	-0.01	0.50	**0.91**	**0.68**	**1.00**	0.36	**0.69**
	-0.04	0.01	0.16	0.51	**0.94**	**0.71**	**1.00**	0.34	**0.78**
	-0.14	0.19	0.31	**0.66**	**0.87**	**0.66**	**1.00**	0.41	**0.79**
	0.28	-0.24	-0.22	**1.00**	**0.99**	**0.98**	**1.00**	**0.88**	**0.96**
$\mu_S(sw)$	-0.05	0.01	0.01	**0.85**	0.31	**0.80**	0.36	**1.00**	0.33
	-0.03	0.01	0.05	**0.88**	0.30	**0.81**	0.34	**1.00**	0.35
	-0.20	0.07	0.09	0.50	0.42	**0.76**	0.41	**1.00**	0.53
	-0.02	-0.14	-0.14	**0.86**	**0.84**	**0.94**	**0.88**	**1.00**	**0.93**
$\sigma_S(sw)$	0.00	0.04	0.07	0.22	**0.75**	0.34	**0.69**	0.33	**1.00**
	-0.03	0.08	0.20	0.29	**0.71**	0.47	**0.78**	0.35	**1.00**
	-0.17	0.24	0.44	0.45	**0.87**	0.44	**0.79**	0.53	**1.00**
	0.25	-0.24	-0.23	**0.95**	**0.95**	**0.96**	**0.96**	**0.93**	**1.00**

TABLE S326. Pierson correlation coefficient for the topological and textual measures. TAG: 0

	cc	d	s	$\mu_S(p)$	$\sigma_S(p)$	$\mu_S(kw)$	$\sigma_S(kw)$	$\mu_S(sw)$	$\sigma_S(sw)$
cc	**1.00**	0.25	0.27	0.05	0.09	0.03	0.20	-0.03	0.23
(p.)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(i.)	**1.00**	0.22	0.30	0.33	0.29	0.32	0.40	0.09	0.33
(h.)	**1.00**	0.08	0.20	-0.42	-0.50	-0.13	-0.35	0.59	0.26
d	0.25	**1.00**	**0.99**	-0.16	-0.05	-0.13	-0.03	-0.09	0.08
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.22	**1.00**	**0.97**	0.03	-0.01	0.05	0.00	0.16	0.03
	0.08	**1.00**	**0.96**	-0.10	0.59	-0.13	0.29	0.03	0.32
s	0.27	**0.99**	**1.00**	-0.15	-0.05	-0.12	-0.03	-0.09	0.10
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.30	**0.97**	**1.00**	0.05	0.00	0.06	0.01	0.17	0.09
	0.20	**0.96**	**1.00**	-0.04	0.53	-0.02	0.34	0.22	0.45
$\mu_S(p)$	0.05	-0.16	-0.15	**1.00**	0.42	**0.95**	0.44	**0.84**	0.14
	0.00	0.00	0.00	**1.00**	0.34	**0.95**	0.34	**0.87**	0.01
	0.33	0.03	0.05	**1.00**	**0.87**	**0.95**	**0.87**	0.59	**0.62**
	-0.42	-0.10	-0.04	**1.00**	**0.70**	**0.94**	**0.92**	0.22	**0.63**
$\sigma_S(p)$	0.09	-0.05	-0.05	0.42	**1.00**	0.19	**0.93**	-0.01	0.28
	0.00	0.00	0.00	0.34	**1.00**	0.11	**0.98**	-0.05	0.20
	0.29	-0.01	0.00	**0.87**	**1.00**	**0.71**	**0.88**	0.23	0.58
	-0.50	0.59	0.53	**0.70**	**1.00**	0.55	**0.88**	-0.04	0.54
$\mu_S(kw)$	0.03	-0.13	-0.12	**0.95**	0.19	**1.00**	0.23	**0.95**	0.04
	0.00	0.00	0.00	**0.95**	0.11	**1.00**	0.11	**0.97**	-0.07
	0.32	0.05	0.06	**0.95**	**0.71**	**1.00**	**0.84**	**0.68**	0.53
	-0.13	-0.13	-0.02	**0.94**	0.55	**1.00**	**0.87**	0.52	**0.81**
$\sigma_S(kw)$	0.20	-0.03	-0.03	0.44	**0.93**	0.23	**1.00**	-0.02	0.42
	0.00	0.00	0.00	0.34	**0.98**	0.11	**1.00**	-0.06	0.33
	0.40	0.00	0.01	**0.87**	**0.88**	**0.84**	**1.00**	0.21	0.57
	-0.35	0.29	0.34	**0.92**	**0.88**	**0.87**	**1.00**	0.31	**0.79**
$\mu_S(sw)$	-0.03	-0.09	-0.09	**0.84**	-0.01	**0.95**	-0.02	**1.00**	-0.04
	0.00	0.00	0.00	**0.87**	-0.05	**0.97**	-0.06	**1.00**	-0.13
	0.09	0.16	0.17	0.59	0.23	**0.68**	0.21	**1.00**	0.39
	0.59	0.03	0.22	0.22	-0.04	0.52	0.31	**1.00**	**0.81**
$\sigma_S(sw)$	0.23	0.08	0.10	0.14	0.28	0.04	0.42	-0.04	**1.00**
	0.00	0.00	0.00	0.01	0.20	-0.07	0.33	-0.13	**1.00**
	0.33	0.03	0.09	**0.62**	0.58	0.53	0.57	0.39	**1.00**
	0.26	0.32	0.45	**0.63**	0.54	**0.81**	**0.79**	**0.81**	**1.00**

TABLE S327. Pierson correlation coefficient for the topological and textual measures. TAG: 1

	cc	d	s	$\mu_S(p)$	$\sigma_S(p)$	$\mu_S(kw)$	$\sigma_S(kw)$	$\mu_S(sw)$	$\sigma_S(sw)$
cc	**1.00**	0.06	0.05	-0.02	0.02	0.01	0.06	0.06	0.19
(p.)	**1.00**	0.35	0.28	0.01	0.07	0.02	0.09	0.01	0.11
(i.)	**1.00**	-0.20	-0.13	-0.11	-0.15	-0.11	-0.16	-0.00	-0.06
(h.)	**1.00**	-0.58	-0.44	-0.01	0.17	0.40	0.31	0.37	0.26
d	0.06	**1.00**	**0.98**	-0.04	0.01	-0.00	0.04	0.07	0.20
	0.35	**1.00**	**0.89**	0.01	0.09	-0.02	0.06	0.03	0.18
	-0.20	**1.00**	**0.90**	-0.11	-0.04	-0.16	-0.11	-0.11	-0.09
	-0.58	**1.00**	**0.96**	0.10	-0.18	0.14	0.13	0.15	0.26
s	0.05	**0.98**	**1.00**	-0.04	0.00	0.00	0.04	0.08	0.19
	0.28	**0.89**	**1.00**	0.02	0.12	-0.02	0.07	0.05	0.19
	-0.13	**0.90**	**1.00**	-0.11	-0.04	-0.13	-0.08	-0.08	-0.07
	-0.44	**0.96**	**1.00**	0.08	-0.18	0.29	0.24	0.32	0.40
$\mu_S(p)$	-0.02	-0.04	-0.04	**1.00**	**0.88**	**0.82**	**0.79**	0.23	0.31
	0.01	0.01	0.02	**1.00**	**0.88**	**0.87**	**0.84**	0.23	0.31
	-0.11	-0.11	-0.11	**1.00**	**0.93**	**0.73**	**0.75**	0.25	0.41
	-0.01	0.10	0.08	**1.00**	**0.80**	-0.01	0.25	-0.18	-0.09
$\sigma_S(p)$	0.02	0.01	0.00	**0.88**	**1.00**	**0.62**	**0.83**	0.12	0.41
	0.07	0.09	0.12	**0.88**	**1.00**	**0.66**	**0.90**	0.10	0.46
	-0.15	-0.04	-0.04	**0.93**	**1.00**	0.60	**0.74**	0.13	0.34
	0.17	-0.18	-0.18	**0.80**	**1.00**	-0.04	0.24	-0.19	-0.01
$\mu_S(kw)$	0.01	-0.00	0.00	**0.82**	**0.62**	**1.00**	**0.78**	0.58	0.46
	0.02	-0.02	-0.02	**0.87**	**0.66**	**1.00**	**0.77**	0.52	0.34
	-0.11	-0.16	-0.13	**0.73**	0.60	**1.00**	**0.84**	**0.72**	**0.74**
	0.40	0.14	0.29	-0.01	-0.04	**1.00**	0.57	**0.90**	**0.60**
$\sigma_S(kw)$	0.06	0.04	0.04	**0.79**	**0.83**	**0.78**	**1.00**	0.25	0.60
	0.09	0.06	0.07	**0.84**	**0.90**	**0.77**	**1.00**	0.16	0.54
	-0.16	-0.11	-0.08	**0.75**	**0.74**	**0.84**	**1.00**	0.35	**0.64**
	0.31	0.13	0.24	0.25	0.24	0.57	**1.00**	0.60	**0.89**
$\mu_S(sw)$	0.06	0.07	0.08	0.23	0.12	0.58	0.25	**1.00**	0.54
	0.01	0.03	0.05	0.23	0.10	0.52	0.16	**1.00**	0.38
	-0.00	-0.11	-0.08	0.25	0.13	**0.72**	0.35	**1.00**	**0.79**
	0.37	0.15	0.32	-0.18	-0.19	**0.90**	0.60	**1.00**	**0.75**
$\sigma_S(sw)$	0.19	0.20	0.19	0.31	0.41	0.46	0.60	0.54	**1.00**
	0.11	0.18	0.19	0.31	0.46	0.34	0.54	0.38	**1.00**
	-0.06	-0.09	-0.07	0.41	0.34	**0.74**	**0.64**	**0.79**	**1.00**
	0.26	0.26	0.40	-0.09	-0.01	**0.60**	**0.89**	**0.75**	**1.00**

TABLE S328. Pierson correlation coefficient for the topological and textual measures. TAG: 2

	cc	d	s	$\mu_S(p)$	$\sigma_S(p)$	$\mu_S(kw)$	$\sigma_S(kw)$	$\mu_S(sw)$	$\sigma_S(sw)$
cc	**1.00**	0.01	-0.00	-0.05	-0.04	-0.05	-0.00	-0.02	0.04
(p.)	**1.00**	0.47	0.33	-0.00	-0.01	-0.00	0.02	-0.09	-0.01
(i.)	**1.00**	-0.45	-0.17	0.19	0.22	0.07	0.22	0.03	0.21
(h.)	**1.00**	**-0.64**	-0.59	-0.35	-0.14	-0.21	-0.04	-0.03	-0.03
d	0.01	**1.00**	**0.99**	-0.04	-0.02	-0.02	-0.00	0.04	0.02
	0.47	**1.00**	**0.75**	0.07	0.11	0.04	0.10	-0.00	0.05
	-0.45	**1.00**	**0.79**	-0.19	-0.16	-0.12	-0.02	-0.05	-0.09
	-0.64	**1.00**	**1.00**	-0.10	-0.20	-0.16	-0.22	-0.14	-0.04
s	-0.00	**0.99**	**1.00**	-0.04	-0.02	-0.02	-0.01	0.04	0.02
	0.33	**0.75**	**1.00**	0.06	0.09	0.06	0.10	0.04	0.11
	-0.17	**0.79**	**1.00**	-0.14	-0.10	-0.08	0.04	-0.02	-0.01
	-0.59	**1.00**	**1.00**	-0.13	-0.23	-0.19	-0.26	-0.11	-0.01
$\mu_S(p)$	-0.05	-0.04	-0.04	**1.00**	**0.95**	**0.78**	**0.71**	0.21	0.45
	-0.00	0.07	0.06	**1.00**	**0.95**	**0.78**	**0.71**	0.21	0.46
	0.19	-0.19	-0.14	**1.00**	**0.96**	**0.82**	**0.67**	**0.63**	**0.74**
	-0.35	-0.10	-0.13	**1.00**	**0.90**	**0.99**	**0.87**	0.44	0.47
$\sigma_S(p)$	-0.04	-0.02	-0.02	**0.95**	**1.00**	**0.78**	**0.81**	0.16	0.40
	-0.01	0.11	0.09	**0.95**	**1.00**	**0.78**	**0.81**	0.15	0.40
	0.22	-0.16	-0.10	**0.96**	**1.00**	**0.75**	**0.74**	0.54	**0.69**
	-0.14	-0.20	-0.23	**0.90**	**1.00**	**0.92**	**0.95**	0.34	0.42
$\mu_S(kw)$	-0.05	-0.02	-0.02	**0.78**	**0.78**	**1.00**	**0.92**	0.48	**0.66**
	-0.00	0.04	0.06	**0.78**	**0.78**	**1.00**	**0.92**	0.48	**0.68**
	0.07	-0.12	-0.08	**0.82**	**0.75**	**1.00**	**0.78**	**0.82**	**0.80**
	-0.21	-0.16	-0.19	**0.99**	**0.92**	**1.00**	**0.90**	0.49	0.52
$\sigma_S(kw)$	-0.00	-0.00	-0.01	**0.71**	**0.81**	**0.92**	**1.00**	0.27	0.54
	0.02	0.10	0.10	**0.71**	**0.81**	**0.92**	**1.00**	0.28	0.56
	0.22	-0.02	0.04	**0.67**	**0.74**	**0.78**	**1.00**	0.52	**0.67**
	-0.04	-0.22	-0.26	**0.87**	**0.95**	**0.90**	**1.00**	0.14	0.22
$\mu_S(sw)$	-0.02	0.04	0.04	0.21	0.16	0.48	0.27	**1.00**	**0.78**
	-0.09	-0.00	0.04	0.21	0.15	0.48	0.28	**1.00**	**0.76**
	0.03	-0.05	-0.02	**0.63**	0.54	**0.82**	0.52	**1.00**	**0.91**
	-0.03	-0.14	-0.11	0.44	0.34	0.49	0.14	**1.00**	**0.98**
$\sigma_S(sw)$	0.04	0.02	0.02	0.45	0.40	**0.66**	0.54	**0.78**	**1.00**
	-0.01	0.05	0.11	0.46	0.40	**0.68**	0.56	**0.76**	**1.00**
	0.21	-0.09	-0.01	**0.74**	**0.69**	**0.80**	**0.67**	**0.91**	**1.00**
	-0.03	-0.04	-0.01	0.47	0.42	0.52	0.22	**0.98**	**1.00**

TABLE S329. Pierson correlation coefficient for the topological and textual measures. TAG: 3

	cc	d	s	$\mu_S(p)$	$\sigma_S(p)$	$\mu_S(kw)$	$\sigma_S(kw)$	$\mu_S(sw)$	$\sigma_S(sw)$
cc	**1.00**	0.01	-0.00	0.03	0.07	0.08	0.09	0.13	0.16
(p.)	**1.00**	0.40	0.31	-0.08	-0.05	-0.03	-0.05	0.06	0.02
(i.)	**1.00**	-0.15	-0.11	0.09	0.14	0.15	0.21	0.14	0.23
(h.)	**1.00**	-0.59	-0.53	0.37	0.25	0.14	0.23	-0.23	-0.12
d	0.01	**1.00**	**0.99**	-0.02	0.00	-0.02	-0.01	0.01	0.05
	0.40	**1.00**	**0.84**	-0.15	-0.14	-0.15	-0.17	-0.03	-0.05
	-0.15	**1.00**	**0.93**	-0.06	-0.05	-0.09	-0.08	-0.09	-0.06
	-0.59	**1.00**	**0.98**	-0.26	-0.19	-0.26	-0.19	-0.08	-0.21
s	-0.00	**0.99**	**1.00**	-0.02	0.01	-0.02	-0.00	0.01	0.04
	0.31	**0.84**	**1.00**	-0.11	-0.09	-0.11	-0.12	0.00	-0.00
	-0.11	**0.93**	**1.00**	-0.07	-0.02	-0.09	-0.05	-0.09	-0.04
	-0.53	**0.98**	**1.00**	-0.22	-0.15	-0.32	-0.17	-0.16	-0.28
$\mu_S(p)$	0.03	-0.02	-0.02	**1.00**	**0.61**	**0.90**	0.59	**0.71**	0.49
	-0.08	-0.15	-0.11	**1.00**	**0.91**	**0.84**	**0.81**	0.44	**0.67**
	0.09	-0.06	-0.07	**1.00**	0.40	**0.94**	0.40	**0.86**	0.36
	0.37	-0.26	-0.22	**1.00**	**0.85**	**0.60**	**0.76**	0.06	0.26
$\sigma_S(p)$	0.07	0.00	0.01	**0.61**	**1.00**	0.48	**0.93**	0.19	**0.68**
	-0.05	-0.14	-0.09	**0.91**	**1.00**	**0.72**	**0.92**	0.34	**0.76**
	0.14	-0.05	-0.02	0.40	**1.00**	0.33	**0.95**	0.13	**0.63**
	0.25	-0.19	-0.15	**0.85**	**1.00**	0.49	**0.97**	-0.16	0.04
$\mu_S(kw)$	0.08	-0.02	-0.02	**0.90**	0.48	**1.00**	0.56	**0.88**	0.58
	-0.03	-0.15	-0.11	**0.84**	**0.72**	**1.00**	**0.77**	**0.73**	**0.70**
	0.15	-0.09	-0.09	**0.94**	0.33	**1.00**	0.41	**0.95**	0.49
	0.14	-0.26	-0.32	**0.60**	0.49	**1.00**	0.57	**0.71**	**0.73**
$\sigma_S(kw)$	0.09	-0.01	-0.00	0.59	**0.93**	0.56	**1.00**	0.27	**0.79**
	-0.05	-0.17	-0.12	**0.81**	**0.92**	**0.77**	**1.00**	0.41	**0.84**
	0.21	-0.08	-0.05	0.40	**0.95**	0.41	**1.00**	0.21	**0.76**
	0.23	-0.19	-0.17	**0.76**	**0.97**	0.57	**1.00**	-0.04	0.11
$\mu_S(sw)$	0.13	0.01	0.01	**0.71**	0.19	**0.88**	0.27	**1.00**	0.50
	0.06	-0.03	0.00	0.44	0.34	**0.73**	0.41	**1.00**	**0.62**
	0.14	-0.09	-0.09	**0.86**	0.13	**0.95**	0.21	**1.00**	0.44
	-0.23	-0.08	-0.16	0.06	-0.16	**0.71**	-0.04	**1.00**	**0.86**
$\sigma_S(sw)$	0.16	0.05	0.04	0.49	**0.68**	0.58	**0.79**	0.50	**1.00**
	0.02	-0.05	-0.00	**0.67**	**0.76**	**0.70**	**0.84**	**0.62**	**1.00**
	0.23	-0.06	-0.04	0.36	**0.63**	0.49	**0.76**	0.44	**1.00**
	-0.12	-0.21	-0.28	0.26	0.04	**0.73**	0.11	**0.86**	**1.00**

TABLE S330. Pierson correlation coefficient for the topological and textual measures. TAG: 4

	cc	d	s	$\mu_S(p)$	$\sigma_S(p)$	$\mu_S(kw)$	$\sigma_S(kw)$	$\mu_S(sw)$	$\sigma_S(sw)$
cc	**1.00**	-0.00	-0.04	-0.03	0.18	0.02	0.20	0.14	0.19
(p.)	**1.00**	**0.75**	**0.62**	-0.03	0.28	-0.00	0.30	0.13	0.20
(i.)	**1.00**	-0.39	-0.30	-0.12	-0.04	-0.10	-0.06	-0.08	0.04
(h.)	**1.00**	**-0.85**	**-0.72**	-0.15	-0.05	-0.22	-0.26	-0.14	-0.24
d	-0.00	**1.00**	**0.96**	-0.03	0.11	0.09	0.20	0.25	0.24
	0.75	**1.00**	**0.84**	-0.17	0.23	-0.04	0.37	0.26	0.37
	-0.39	**1.00**	**0.85**	0.24	0.28	0.29	0.30	0.18	0.08
	-0.85	**1.00**	**0.95**	-0.00	-0.05	0.00	0.05	-0.11	-0.03
s	-0.04	**0.96**	**1.00**	-0.01	0.11	0.07	0.19	0.20	0.21
	0.62	**0.84**	**1.00**	-0.13	0.19	-0.03	0.33	0.17	0.32
	-0.30	**0.85**	**1.00**	0.31	0.42	0.29	0.42	0.13	0.15
	-0.72	**0.95**	**1.00**	-0.06	-0.09	-0.05	-0.02	-0.07	-0.03
$\mu_S(p)$	-0.03	-0.03	-0.01	**1.00**	0.47	**0.88**	0.41	0.21	0.18
	-0.03	-0.17	-0.13	**1.00**	0.30	**0.88**	0.16	0.10	-0.04
	-0.12	0.24	0.31	**1.00**	**0.86**	**0.91**	**0.90**	0.56	0.55
	-0.15	-0.00	-0.06	**1.00**	**0.72**	**0.90**	**0.93**	**0.74**	**0.81**
$\sigma_S(p)$	0.18	0.11	0.11	0.47	**1.00**	0.40	**0.92**	0.36	0.58
	0.28	0.23	0.19	0.30	**1.00**	0.14	**0.84**	0.16	0.44
	-0.04	0.28	0.42	**0.86**	**1.00**	**0.73**	**0.94**	0.47	0.60
	-0.05	-0.05	-0.09	**0.72**	**1.00**	0.55	**0.78**	0.41	0.52
$\mu_S(kw)$	0.02	0.09	0.07	**0.88**	0.40	**1.00**	0.47	0.51	0.34
	-0.00	-0.04	-0.03	**0.88**	0.14	**1.00**	0.17	0.38	0.08
	-0.10	0.29	0.29	**0.91**	**0.73**	**1.00**	**0.87**	**0.77**	**0.66**
	-0.22	0.00	-0.05	**0.90**	0.55	**1.00**	**0.89**	**0.86**	**0.87**
$\sigma_S(kw)$	0.20	0.20	0.19	0.41	**0.92**	0.47	**1.00**	0.53	**0.76**
	0.30	0.37	0.33	0.16	**0.84**	0.17	**1.00**	0.37	**0.73**
	-0.06	0.30	0.42	**0.90**	**0.94**	**0.87**	**1.00**	**0.63**	**0.74**
	-0.26	0.05	-0.02	**0.93**	**0.78**	**0.89**	**1.00**	**0.70**	**0.88**
$\mu_S(sw)$	0.14	0.25	0.20	0.21	0.36	0.51	0.53	**1.00**	**0.74**
	0.13	0.26	0.17	0.10	0.16	0.38	0.37	**1.00**	**0.63**
	-0.08	0.18	0.13	0.56	0.47	**0.77**	**0.63**	**1.00**	**0.84**
	-0.14	-0.11	-0.07	**0.74**	0.41	**0.86**	**0.70**	**1.00**	**0.88**
$\sigma_S(sw)$	0.19	0.24	0.21	0.18	0.58	0.34	**0.76**	**0.74**	**1.00**
	0.20	0.37	0.32	-0.04	0.44	0.08	**0.73**	**0.63**	**1.00**
	0.04	0.08	0.15	0.55	0.60	**0.66**	**0.74**	**0.84**	**1.00**
	-0.24	-0.03	-0.03	**0.81**	0.52	**0.87**	**0.88**	**0.88**	**1.00**

TABLE S331. Pierson correlation coefficient for the topological and textual measures. TAG: 5

	cc	d	s	$\mu_S(p)$	$\sigma_S(p)$	$\mu_S(kw)$	$\sigma_S(kw)$	$\mu_S(sw)$	$\sigma_S(sw)$
cc	**1.00**	0.04	0.03	0.03	0.08	0.02	0.07	0.01	0.01
(p.)	**1.00**	0.26	0.10	0.04	0.05	0.05	0.05	0.04	0.03
(i.)	**1.00**	-0.22	-0.13	0.03	0.09	-0.04	0.13	-0.15	-0.06
(h.)	**1.00**	-0.50	-0.50	-0.28	-0.35	0.07	-0.13	0.01	-0.13
d	0.04	**1.00**	**0.97**	-0.03	-0.01	-0.02	-0.00	0.04	0.01
	0.26	**1.00**	**0.74**	0.07	0.09	0.05	0.08	0.03	0.05
	-0.22	**1.00**	**0.73**	-0.09	-0.04	0.01	-0.02	0.06	-0.00
	-0.50	**1.00**	**0.95**	0.45	0.51	-0.08	0.46	-0.22	0.17
s	0.03	**0.97**	**1.00**	-0.02	0.01	-0.02	0.01	0.02	0.01
	0.10	**0.74**	**1.00**	0.05	0.07	0.04	0.06	0.07	0.06
	-0.13	**0.73**	**1.00**	0.02	0.08	0.05	0.10	0.00	0.03
	-0.50	**0.95**	**1.00**	**0.65**	**0.74**	-0.19	**0.69**	-0.36	0.19
$\mu_S(p)$	0.03	-0.03	-0.02	**1.00**	**0.94**	**0.89**	**0.88**	0.38	0.53
	0.04	0.07	0.05	**1.00**	**0.96**	**0.90**	**0.89**	0.38	0.52
	0.03	-0.09	0.02	**1.00**	**0.88**	**0.81**	**0.81**	0.42	0.58
	-0.28	0.45	**0.65**	**1.00**	**0.93**	-0.31	**0.86**	-0.46	0.28
$\sigma_S(p)$	0.08	-0.01	0.01	**0.94**	**1.00**	**0.84**	**0.93**	0.33	0.52
	0.05	0.09	0.07	**0.96**	**1.00**	**0.88**	**0.94**	0.36	0.54
	0.09	-0.04	0.08	**0.88**	**1.00**	**0.65**	**0.91**	0.24	0.42
	-0.35	0.51	**0.74**	**0.93**	**1.00**	-0.36	**0.90**	-0.51	0.23
$\mu_S(kw)$	0.02	-0.02	-0.02	**0.89**	**0.84**	**1.00**	**0.92**	**0.64**	**0.73**
	0.05	0.05	0.04	**0.90**	**0.88**	**1.00**	**0.94**	**0.63**	**0.71**
	-0.04	0.01	0.05	**0.81**	**0.65**	**1.00**	**0.76**	**0.80**	**0.81**
	0.07	-0.08	-0.19	-0.31	-0.36	**1.00**	-0.03	**0.92**	**0.72**
$\sigma_S(kw)$	0.07	-0.00	0.01	**0.88**	**0.93**	**0.92**	**1.00**	0.43	**0.64**
	0.05	0.08	0.06	**0.89**	**0.94**	**0.94**	**1.00**	0.46	**0.66**
	0.13	-0.02	0.10	**0.81**	**0.91**	**0.76**	**1.00**	0.38	0.58
	-0.13	0.46	**0.69**	**0.86**	**0.90**	-0.03	**1.00**	-0.29	0.47
$\mu_S(sw)$	0.01	0.04	0.02	0.38	0.33	**0.64**	0.43	**1.00**	**0.85**
	0.04	0.03	0.07	0.38	0.36	**0.63**	0.46	**1.00**	**0.87**
	-0.15	0.06	0.00	0.42	0.24	**0.80**	0.38	**1.00**	**0.85**
	0.01	-0.22	-0.36	-0.46	-0.51	**0.92**	-0.29	**1.00**	**0.61**
$\sigma_S(sw)$	0.01	0.01	0.01	0.53	0.52	**0.73**	**0.64**	**0.85**	**1.00**
	0.03	0.05	0.06	0.52	0.54	**0.71**	**0.66**	**0.87**	**1.00**
	-0.06	-0.00	0.03	0.58	0.42	**0.81**	0.58	**0.85**	**1.00**
	-0.13	0.17	0.19	0.28	0.23	**0.72**	0.47	**0.61**	**1.00**

TABLE S332. Pierson correlation coefficient for the topological and textual measures. TAG: 6

	cc	d	s	$\mu_S(p)$	$\sigma_S(p)$	$\mu_S(kw)$	$\sigma_S(kw)$	$\mu_S(sw)$	$\sigma_S(sw)$
cc	**1.00**	-0.05	-0.09	0.16	0.17	0.23	0.21	0.23	0.27
(p.)	**1.00**	**0.70**	0.58	0.18	0.17	0.27	0.23	0.27	0.31
(i.)	**1.00**	**-0.60**	-0.41	-0.15	-0.03	-0.18	-0.22	-0.15	-0.27
(h.)	**1.00**	**-0.96**	-0.53	-0.01	0.22	0.17	0.29	-0.01	-0.16
d	-0.05	**1.00**	**0.90**	-0.05	0.00	0.11	0.05	0.22	0.16
	0.70	**1.00**	**0.82**	0.06	0.08	0.06	0.07	0.08	0.13
	-0.60	**1.00**	**0.70**	0.04	0.12	0.04	0.20	0.10	0.37
	-0.96	**1.00**	0.58	-0.02	-0.24	-0.25	-0.39	-0.06	0.02
s	-0.09	**0.90**	**1.00**	-0.06	-0.04	0.07	0.02	0.16	0.13
	0.58	**0.82**	**1.00**	0.08	0.08	0.05	0.06	0.06	0.12
	-0.41	**0.70**	**1.00**	0.02	0.06	-0.10	0.09	-0.11	0.17
	-0.53	0.58	**1.00**	-0.28	-0.36	-0.34	-0.30	-0.10	0.13
$\mu_S(p)$	0.16	-0.05	-0.06	**1.00**	**0.86**	**0.74**	**0.86**	0.49	**0.66**
	0.18	0.06	0.08	**1.00**	**0.95**	**0.78**	**0.87**	0.57	**0.73**
	-0.15	0.04	0.02	**1.00**	**0.69**	**0.62**	**0.80**	0.23	0.27
	-0.01	-0.02	-0.28	**1.00**	**0.76**	0.42	**0.82**	0.20	0.35
$\sigma_S(p)$	0.17	0.00	-0.04	**0.86**	**1.00**	0.58	**0.83**	0.38	0.56
	0.17	0.08	0.08	**0.95**	**1.00**	**0.73**	**0.88**	0.54	**0.72**
	-0.03	0.12	0.06	**0.69**	**1.00**	0.22	**0.85**	-0.03	0.12
	0.22	-0.24	-0.36	**0.76**	**1.00**	-0.06	**0.65**	-0.33	-0.20
$\mu_S(kw)$	0.23	0.11	0.07	**0.74**	0.58	**1.00**	**0.89**	**0.91**	**0.91**
	0.27	0.06	0.05	**0.78**	**0.73**	**1.00**	**0.93**	**0.93**	**0.94**
	-0.18	0.04	-0.10	**0.62**	0.22	**1.00**	0.57	**0.81**	**0.66**
	0.17	-0.25	-0.34	0.42	-0.06	**1.00**	**0.60**	**0.94**	**0.80**
$\sigma_S(kw)$	0.21	0.05	0.02	**0.86**	**0.83**	**0.89**	**1.00**	**0.75**	**0.90**
	0.23	0.07	0.06	**0.87**	**0.88**	**0.93**	**1.00**	**0.83**	**0.94**
	-0.22	0.20	0.09	**0.80**	**0.85**	0.57	**1.00**	0.28	0.48
	0.29	-0.39	-0.30	**0.82**	**0.65**	**0.60**	**1.00**	0.42	0.58
$\mu_S(sw)$	0.23	0.22	0.16	0.49	0.38	**0.91**	**0.75**	**1.00**	**0.88**
	0.27	0.08	0.06	0.57	0.54	**0.93**	**0.83**	**1.00**	**0.91**
	-0.15	0.10	-0.11	0.23	-0.03	**0.81**	0.28	**1.00**	**0.81**
	-0.01	-0.06	-0.10	0.20	-0.33	**0.94**	0.42	**1.00**	**0.88**
$\sigma_S(sw)$	0.27	0.16	0.13	**0.66**	0.56	**0.91**	**0.90**	**0.88**	**1.00**
	0.31	0.13	0.12	**0.73**	**0.72**	**0.94**	**0.94**	**0.91**	**1.00**
	-0.27	0.37	0.17	0.27	0.12	**0.66**	0.48	**0.81**	**1.00**
	-0.16	0.02	0.13	0.35	-0.20	**0.80**	0.58	**0.88**	**1.00**

TABLE S333. Pierson correlation coefficient for the topological and textual measures. TAG: 7

	cc	d	s	$\mu_S(p)$	$\sigma_S(p)$	$\mu_S(kw)$	$\sigma_S(kw)$	$\mu_S(sw)$	$\sigma_S(sw)$
cc	**1.00**	0.08	0.05	-0.01	0.04	0.06	0.10	0.05	0.03
(p.)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(i.)	**1.00**	-0.07	-0.06	0.10	0.07	0.27	0.15	0.14	-0.02
(h.)	**1.00**	**-0.76**	**-0.67**	-0.29	-0.56	0.02	-0.42	0.21	0.01
d	0.08	**1.00**	**0.97**	0.01	0.08	0.01	0.11	0.03	0.06
	0.00	**1.00**	**0.82**	0.07	0.09	0.01	0.07	0.04	0.05
	-0.07	**1.00**	**0.93**	0.08	0.09	0.08	0.09	0.07	0.12
	-0.76	**1.00**	**0.91**	**0.76**	**0.71**	-0.31	0.28	-0.55	-0.14
s	0.05	**0.97**	**1.00**	0.02	0.09	0.01	0.13	0.03	0.06
	0.00	**0.82**	**1.00**	0.06	0.09	0.00	0.05	0.04	0.04
	-0.06	**0.93**	**1.00**	0.06	0.09	0.06	0.08	0.09	0.14
	-0.67	**0.91**	**1.00**	**0.88**	**0.92**	-0.18	0.59	-0.54	0.05
$\mu_S(p)$	-0.01	0.01	0.02	**1.00**	**0.91**	**0.85**	**0.76**	**0.73**	**0.75**
	0.00	0.07	0.06	**1.00**	**0.93**	**0.89**	**0.83**	**0.80**	**0.80**
	0.10	0.08	0.06	**1.00**	**0.90**	0.42	0.58	-0.02	0.17
	-0.29	**0.76**	**0.88**	**1.00**	**0.83**	-0.10	0.42	-0.52	-0.03
$\sigma_S(p)$	0.04	0.08	0.09	**0.91**	**1.00**	**0.77**	**0.87**	**0.67**	**0.76**
	0.00	0.09	0.09	**0.93**	**1.00**	**0.84**	**0.93**	**0.79**	**0.84**
	0.07	0.09	0.09	**0.90**	**1.00**	0.36	**0.70**	-0.07	0.19
	-0.56	**0.71**	**0.92**	**0.83**	**1.00**	0.01	**0.82**	-0.47	0.20
$\mu_S(kw)$	0.06	0.01	0.01	**0.85**	**0.77**	**1.00**	**0.80**	**0.79**	**0.68**
	0.00	0.01	0.00	**0.89**	**0.84**	**1.00**	**0.84**	**0.81**	**0.69**
	0.27	0.08	0.06	0.42	0.36	**1.00**	**0.74**	**0.69**	0.54
	0.02	-0.31	-0.18	-0.10	0.01	**1.00**	0.29	**0.76**	0.40
$\sigma_S(kw)$	0.10	0.11	0.13	**0.76**	**0.87**	**0.80**	**1.00**	**0.67**	**0.75**
	0.00	0.07	0.05	**0.83**	**0.93**	**0.84**	**1.00**	**0.76**	**0.82**
	0.15	0.09	0.08	0.58	**0.70**	**0.74**	**1.00**	0.30	0.48
	-0.42	0.28	0.59	0.42	**0.82**	0.29	**1.00**	-0.14	0.55
$\mu_S(sw)$	0.05	0.03	0.03	**0.73**	**0.67**	**0.79**	**0.67**	**1.00**	**0.86**
	0.00	0.04	0.04	**0.80**	**0.79**	**0.81**	**0.76**	**1.00**	**0.88**
	0.14	0.07	0.09	-0.02	-0.07	**0.69**	0.30	**1.00**	**0.71**
	0.21	-0.55	-0.54	-0.52	-0.47	**0.76**	-0.14	**1.00**	0.50
$\sigma_S(sw)$	0.03	0.06	0.06	**0.75**	**0.76**	**0.68**	**0.75**	**0.86**	**1.00**
	0.00	0.05	0.04	**0.80**	**0.84**	**0.69**	**0.82**	**0.88**	**1.00**
	-0.02	0.12	0.14	0.17	0.19	0.54	0.48	**0.71**	**1.00**
	0.01	-0.14	0.05	-0.03	0.20	0.40	0.55	0.50	**1.00**

TABLE S334. Pierson correlation coefficient for the topological and textual measures. TAG: 8

	cc	d	s	$\mu_S(p)$	$\sigma_S(p)$	$\mu_S(kw)$	$\sigma_S(kw)$	$\mu_S(sw)$	$\sigma_S(sw)$
cc	**1.00**	-0.03	-0.08	0.04	0.10	0.05	0.10	0.09	0.21
(p.)	**1.00**	**0.64**	0.42	0.12	0.19	0.09	0.22	0.08	0.22
(i.)	**1.00**	-0.58	-0.51	-0.10	-0.08	-0.26	-0.11	-0.24	-0.19
(h.)	**1.00**	**-0.86**	**-0.85**	0.33	0.09	0.14	0.21	0.14	0.11
d	-0.03	**1.00**	**0.98**	-0.05	0.00	0.04	0.05	0.09	0.12
	0.64	**1.00**	**0.78**	0.11	0.16	-0.00	0.16	0.06	0.22
	-0.58	**1.00**	**0.86**	0.10	0.14	0.29	0.18	0.30	0.28
	-0.86	**1.00**	**1.00**	-0.51	-0.25	-0.42	-0.34	-0.47	-0.35
s	-0.08	**0.98**	**1.00**	-0.05	-0.01	0.02	0.02	0.05	0.09
	0.42	**0.78**	**1.00**	0.10	0.15	0.10	0.19	0.21	0.35
	-0.51	**0.86**	**1.00**	0.13	0.07	0.29	0.10	0.32	0.35
	-0.85	**1.00**	**1.00**	-0.50	-0.25	-0.40	-0.32	-0.47	-0.34
$\mu_S(p)$	0.04	-0.05	-0.05	**1.00**	**0.82**	**0.65**	**0.61**	0.19	0.52
	0.12	0.11	0.10	**1.00**	**0.96**	**0.65**	**0.86**	0.18	0.59
	-0.10	0.10	0.13	**1.00**	**0.84**	**0.77**	**0.76**	0.34	0.50
	0.33	-0.51	-0.50	**1.00**	**0.78**	**0.93**	**0.96**	**0.92**	**0.97**
$\sigma_S(p)$	0.10	0.00	-0.01	**0.82**	**1.00**	0.58	**0.92**	0.16	0.52
	0.19	0.16	0.15	**0.96**	**1.00**	0.54	**0.89**	0.11	**0.62**
	-0.08	0.14	0.07	**0.84**	**1.00**	**0.73**	**0.98**	0.26	0.44
	0.09	-0.25	-0.25	**0.78**	**1.00**	**0.89**	**0.84**	**0.85**	**0.76**
$\mu_S(kw)$	0.05	0.04	0.02	**0.65**	0.58	**1.00**	**0.64**	**0.73**	**0.67**
	0.09	-0.00	0.10	**0.65**	0.54	**1.00**	**0.73**	**0.71**	**0.65**
	-0.26	0.29	0.29	**0.77**	**0.73**	**1.00**	**0.76**	**0.74**	**0.72**
	0.14	-0.42	-0.40	**0.93**	**0.89**	**1.00**	**0.94**	**0.97**	**0.95**
$\sigma_S(kw)$	0.10	0.05	0.02	**0.61**	**0.92**	**0.64**	**1.00**	0.27	0.56
	0.22	0.16	0.19	**0.86**	**0.89**	**0.73**	**1.00**	0.30	**0.79**
	-0.11	0.18	0.10	**0.76**	**0.98**	**0.76**	**1.00**	0.31	0.48
	0.21	-0.34	-0.32	**0.96**	**0.84**	**0.94**	**1.00**	**0.88**	**0.96**
$\mu_S(sw)$	0.09	0.09	0.05	0.19	0.16	**0.73**	0.27	**1.00**	**0.61**
	0.08	0.06	0.21	0.18	0.11	**0.71**	0.30	**1.00**	0.53
	-0.24	0.30	0.32	0.34	0.26	**0.74**	0.31	**1.00**	**0.74**
	0.14	-0.47	-0.47	**0.92**	**0.85**	**0.97**	**0.88**	**1.00**	**0.94**
$\sigma_S(sw)$	0.21	0.12	0.09	0.52	0.52	**0.67**	0.56	**0.61**	**1.00**
	0.22	0.22	0.35	0.59	**0.62**	**0.65**	**0.79**	0.53	**1.00**
	-0.19	0.28	0.35	0.50	0.44	**0.72**	0.48	**0.74**	**1.00**
	0.11	-0.35	-0.34	**0.97**	**0.76**	**0.95**	**0.96**	**0.94**	**1.00**

TABLE S335. Pierson correlation coefficient for the topological and textual measures. TAG: 9

	cc	d	s	$\mu_S(p)$	$\sigma_S(p)$	$\mu_S(kw)$	$\sigma_S(kw)$	$\mu_S(sw)$	$\sigma_S(sw)$
cc	**1.00**	0.07	0.06	0.19	0.16	0.12	0.21	0.06	0.16
(p.)	**1.00**	0.25	0.15	0.20	0.18	0.08	0.14	0.03	0.11
(i.)	**1.00**	-0.16	-0.08	0.15	0.07	0.05	0.11	-0.05	0.00
(h.)	**1.00**	**-0.60**	-0.54	-0.03	0.12	0.22	0.16	0.31	0.38
d	0.07	**1.00**	**0.99**	0.08	0.14	0.13	0.21	0.13	0.21
	0.25	**1.00**	**0.81**	0.04	0.03	0.05	0.04	0.08	0.07
	-0.16	**1.00**	**0.89**	0.12	0.14	0.15	0.15	0.17	0.18
	-0.60	**1.00**	**1.00**	-0.13	-0.12	-0.17	-0.16	-0.05	0.03
s	0.06	**0.99**	**1.00**	0.09	0.15	0.12	0.20	0.11	0.19
	0.15	**0.81**	**1.00**	0.07	0.07	0.02	0.02	0.06	0.05
	-0.08	**0.89**	**1.00**	0.18	0.22	0.16	0.18	0.12	0.15
	-0.54	**1.00**	**1.00**	-0.12	-0.08	-0.18	-0.13	-0.06	0.05
$\mu_S(p)$	0.19	0.08	0.09	**1.00**	**0.85**	0.45	0.57	0.19	0.27
	0.20	0.04	0.07	**1.00**	**0.92**	0.42	0.56	0.17	0.25
	0.15	0.12	0.18	**1.00**	**0.81**	0.48	0.59	0.21	0.27
	-0.03	-0.13	-0.12	**1.00**	**0.89**	0.49	**0.87**	-0.24	-0.35
$\sigma_S(p)$	0.16	0.14	0.15	**0.85**	**1.00**	0.38	**0.73**	0.11	0.31
	0.18	0.03	0.07	**0.92**	**1.00**	0.31	**0.62**	0.06	0.24
	0.07	0.14	0.22	**0.81**	**1.00**	0.42	**0.78**	0.14	0.35
	0.12	-0.12	-0.08	**0.89**	**1.00**	0.23	**0.86**	-0.42	-0.43
$\mu_S(kw)$	0.12	0.13	0.12	0.45	0.38	**1.00**	**0.65**	**0.86**	**0.60**
	0.08	0.05	0.02	0.42	0.31	**1.00**	**0.61**	**0.85**	0.55
	0.05	0.15	0.16	0.48	0.42	**1.00**	**0.67**	**0.88**	**0.62**
	0.22	-0.17	-0.18	0.49	0.23	**1.00**	**0.61**	**0.67**	0.56
$\sigma_S(kw)$	0.21	0.21	0.20	0.57	**0.73**	**0.65**	**1.00**	0.46	**0.75**
	0.14	0.04	0.02	0.56	**0.62**	**0.61**	**1.00**	0.44	**0.78**
	0.11	0.15	0.18	0.59	**0.78**	**0.67**	**1.00**	0.46	**0.73**
	0.16	-0.16	-0.13	**0.87**	**0.86**	**0.61**	**1.00**	-0.10	-0.09
$\mu_S(sw)$	0.06	0.13	0.11	0.19	0.11	**0.86**	0.46	**1.00**	**0.67**
	0.03	0.08	0.06	0.17	0.06	**0.85**	0.44	**1.00**	**0.62**
	-0.05	0.17	0.12	0.21	0.14	**0.88**	0.46	**1.00**	**0.68**
	0.31	-0.05	-0.06	-0.24	-0.42	**0.67**	-0.10	**1.00**	**0.92**
$\sigma_S(sw)$	0.16	0.21	0.19	0.27	0.31	**0.60**	**0.75**	**0.67**	**1.00**
	0.11	0.07	0.05	0.25	0.24	0.55	**0.78**	**0.62**	**1.00**
	0.00	0.18	0.15	0.27	0.35	**0.62**	**0.73**	**0.68**	**1.00**
	0.38	0.03	0.05	-0.35	-0.43	0.56	-0.09	**0.92**	**1.00**

TABLE S336. Pierson correlation coefficient for the topological and textual measures. TAG: 10

	cc	d	s	$\mu_S(p)$	$\sigma_S(p)$	$\mu_S(kw)$	$\sigma_S(kw)$	$\mu_S(sw)$	$\sigma_S(sw)$
cc	**1.00**	0.09	0.05	-0.03	0.04	-0.02	0.03	0.08	0.09
(p.)	**1.00**	0.46	0.47	-0.11	-0.02	-0.07	-0.00	0.00	0.01
(i.)	**1.00**	-0.14	-0.10	0.16	0.00	0.13	0.03	0.14	0.15
(h.)	**1.00**	**-0.70**	**-0.65**	0.48	0.32	0.11	0.12	-0.01	0.05
d	0.09	**1.00**	**0.98**	-0.02	0.10	-0.00	0.07	0.08	0.09
	0.46	**1.00**	**0.96**	-0.08	-0.01	-0.09	-0.06	0.04	0.06
	-0.14	**1.00**	**0.97**	-0.05	0.08	0.04	0.15	0.10	0.12
	-0.70	**1.00**	**0.99**	-0.21	-0.13	-0.15	-0.10	-0.18	-0.13
s	0.05	**0.98**	**1.00**	-0.02	0.08	-0.01	0.05	0.05	0.07
	0.47	**0.96**	**1.00**	-0.10	-0.02	-0.09	-0.06	0.06	0.06
	-0.10	**0.97**	**1.00**	-0.05	0.05	0.04	0.16	0.11	0.13
	-0.65	**0.99**	**1.00**	-0.16	-0.11	-0.13	-0.08	-0.17	-0.11
$\mu_S(p)$	-0.03	-0.02	-0.02	**1.00**	0.57	**0.64**	0.26	0.13	0.14
	-0.11	-0.08	-0.10	**1.00**	0.52	**0.66**	0.30	0.18	0.22
	0.16	-0.05	-0.05	**1.00**	**0.74**	0.59	0.09	-0.03	-0.15
	0.48	-0.21	-0.16	**1.00**	**0.85**	0.54	0.34	0.07	-0.06
$\sigma_S(p)$	0.04	0.10	0.08	0.57	**1.00**	0.41	0.47	0.01	0.16
	-0.02	-0.01	-0.02	0.52	**1.00**	0.40	0.49	-0.01	0.19
	0.00	0.08	0.05	**0.74**	**1.00**	0.51	0.36	-0.03	-0.06
	0.32	-0.13	-0.11	**0.85**	**1.00**	0.43	0.29	-0.05	-0.12
$\mu_S(kw)$	-0.02	-0.00	-0.01	**0.64**	0.41	**1.00**	**0.65**	**0.68**	**0.62**
	-0.07	-0.09	-0.09	**0.66**	0.40	**1.00**	**0.67**	**0.68**	**0.67**
	0.13	0.04	0.04	0.59	0.51	**1.00**	0.55	**0.67**	0.38
	0.11	-0.15	-0.13	0.54	0.43	**1.00**	**0.62**	**0.80**	0.47
$\sigma_S(kw)$	0.03	0.07	0.05	0.26	0.47	**0.65**	**1.00**	0.41	**0.72**
	-0.00	-0.06	-0.06	0.30	0.49	**0.67**	**1.00**	0.39	**0.73**
	0.03	0.15	0.16	0.09	0.36	0.55	**1.00**	0.51	**0.69**
	0.12	-0.10	-0.08	0.34	0.29	**0.62**	**1.00**	**0.64**	**0.82**
$\mu_S(sw)$	0.08	0.08	0.05	0.13	0.01	**0.68**	0.41	**1.00**	**0.77**
	0.00	0.04	0.06	0.18	-0.01	**0.68**	0.39	**1.00**	**0.78**
	0.14	0.10	0.11	-0.03	-0.03	**0.67**	0.51	**1.00**	**0.70**
	-0.01	-0.18	-0.17	0.07	-0.05	**0.80**	**0.64**	**1.00**	**0.78**
$\sigma_S(sw)$	0.09	0.09	0.07	0.14	0.16	**0.62**	**0.72**	**0.77**	**1.00**
	0.01	0.06	0.06	0.22	0.19	**0.67**	**0.73**	**0.78**	**1.00**
	0.15	0.12	0.13	-0.15	-0.06	0.38	**0.69**	**0.70**	**1.00**
	0.05	-0.13	-0.11	-0.06	-0.12	0.47	**0.82**	**0.78**	**1.00**

TABLE S337. Pierson correlation coefficient for the topological and textual measures. TAG: 11

	cc	d	s	$\mu_S(p)$	$\sigma_S(p)$	$\mu_S(kw)$	$\sigma_S(kw)$	$\mu_S(sw)$	$\sigma_S(sw)$
cc	**1.00**	-0.07	-0.07	-0.07	-0.04	-0.08	-0.06	-0.10	-0.05
(p.)	**1.00**	**0.63**	0.54	-0.08	-0.07	-0.09	-0.09	-0.12	-0.13
(i.)	**1.00**	-0.55	-0.28	0.14	0.12	0.06	0.05	0.01	0.05
(h.)	**1.00**	**-0.89**	**-0.84**	0.19	0.18	-0.15	-0.12	-0.14	-0.04
d	-0.07	**1.00**	**0.99**	-0.03	-0.02	-0.02	-0.01	0.02	0.05
	0.63	**1.00**	**0.77**	-0.10	-0.09	-0.12	-0.11	-0.12	-0.06
	-0.55	**1.00**	**0.66**	-0.05	-0.01	0.02	-0.02	0.08	0.05
	-0.89	**1.00**	**0.99**	-0.22	-0.24	0.02	-0.05	-0.05	-0.10
s	-0.07	**0.99**	**1.00**	-0.02	-0.01	-0.02	-0.00	0.02	0.06
	0.54	**0.77**	**1.00**	-0.08	-0.08	-0.10	-0.08	-0.09	0.00
	-0.28	**0.66**	**1.00**	0.19	0.28	0.16	0.22	0.08	0.29
	-0.84	**0.99**	**1.00**	-0.26	-0.22	-0.09	-0.12	-0.17	-0.19
$\mu_S(p)$	-0.07	-0.03	-0.02	**1.00**	**0.99**	**0.95**	**0.92**	0.58	0.41
	-0.08	-0.10	-0.08	**1.00**	**1.00**	**0.95**	**0.96**	**0.64**	0.48
	0.14	-0.05	0.19	**1.00**	**0.86**	**0.70**	0.38	0.29	0.36
	0.19	-0.22	-0.26	**1.00**	0.46	**0.65**	**0.67**	0.60	**0.84**
$\sigma_S(p)$	-0.04	-0.02	-0.01	**0.99**	**1.00**	**0.93**	**0.94**	0.55	0.46
	-0.07	-0.09	-0.08	**1.00**	**1.00**	**0.94**	**0.96**	**0.62**	0.48
	0.12	-0.01	0.28	**0.86**	**1.00**	0.57	**0.72**	0.12	0.59
	0.18	-0.24	-0.22	0.46	**1.00**	0.03	**0.72**	-0.13	0.33
$\mu_S(kw)$	-0.08	-0.02	-0.02	**0.95**	**0.93**	**1.00**	**0.95**	**0.76**	0.58
	-0.09	-0.12	-0.10	**0.95**	**0.94**	**1.00**	**0.99**	**0.81**	**0.66**
	0.06	0.02	0.16	**0.70**	0.57	**1.00**	0.44	**0.82**	0.49
	-0.15	0.02	-0.09	**0.65**	0.03	**1.00**	**0.68**	**0.97**	**0.94**
$\sigma_S(kw)$	-0.06	-0.01	-0.00	**0.92**	**0.94**	**0.95**	**1.00**	**0.66**	**0.65**
	-0.09	-0.11	-0.08	**0.96**	**0.96**	**0.99**	**1.00**	**0.75**	**0.66**
	0.05	-0.02	0.22	0.38	**0.72**	0.44	**1.00**	0.12	**0.73**
	-0.12	-0.05	-0.12	**0.67**	**0.72**	**0.68**	**1.00**	0.55	**0.84**
$\mu_S(sw)$	-0.10	0.02	0.02	0.58	0.55	**0.76**	**0.66**	**1.00**	**0.67**
	-0.12	-0.12	-0.09	**0.64**	**0.62**	**0.81**	**0.75**	**1.00**	**0.79**
	0.01	0.08	0.08	0.29	0.12	**0.82**	0.12	**1.00**	0.32
	-0.14	-0.05	-0.17	0.60	-0.13	**0.97**	0.55	**1.00**	**0.87**
$\sigma_S(sw)$	-0.05	0.05	0.06	0.41	0.46	0.58	**0.65**	**0.67**	**1.00**
	-0.13	-0.06	0.00	0.48	0.48	**0.66**	**0.66**	**0.79**	**1.00**
	0.05	0.05	0.29	0.36	0.59	0.49	**0.73**	0.32	**1.00**
	-0.04	-0.10	-0.19	**0.84**	0.33	**0.94**	**0.84**	**0.87**	**1.00**

TABLE S338. Pierson correlation coefficient for the topological and textual measures. TAG: 12

	cc	d	s	$\mu_S(p)$	$\sigma_S(p)$	$\mu_S(kw)$	$\sigma_S(kw)$	$\mu_S(sw)$	$\sigma_S(sw)$
cc	**1.00**	0.25	0.13	-0.03	0.19	-0.03	0.19	0.20	0.27
(p.)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(i.)	**1.00**	-0.14	-0.10	0.23	0.21	0.19	0.20	-0.37	-0.21
(h.)	**1.00**	**-0.64**	-0.57	-0.38	-0.40	-0.34	-0.40	0.41	-0.22
d	0.25	**1.00**	**0.96**	-0.09	-0.04	-0.08	-0.04	0.22	0.14
	0.00	**1.00**	**0.94**	-0.17	-0.10	-0.17	-0.12	0.20	0.29
	-0.14	**1.00**	**0.88**	-0.24	-0.21	-0.24	-0.21	-0.00	-0.27
	-0.64	**1.00**	**0.99**	-0.39	-0.37	-0.46	-0.37	-0.31	-0.44
s	0.13	**0.96**	**1.00**	-0.07	-0.03	-0.06	-0.03	0.17	0.11
	0.00	**0.94**	**1.00**	-0.15	-0.08	-0.16	-0.09	0.15	0.31
	-0.10	**0.88**	**1.00**	-0.13	-0.11	-0.13	-0.11	0.11	-0.15
	-0.57	**0.99**	**1.00**	-0.47	-0.45	-0.53	-0.45	-0.27	-0.44
$\mu_S(p)$	-0.03	-0.09	-0.07	**1.00**	**0.60**	**1.00**	**0.62**	-0.22	0.04
	0.00	-0.17	-0.15	**1.00**	**0.97**	**1.00**	**0.97**	-0.25	-0.19
	0.23	-0.24	-0.13	**1.00**	**1.00**	**0.99**	**1.00**	-0.03	**0.66**
	-0.38	-0.39	-0.47	**1.00**	**1.00**	**0.99**	**1.00**	-0.48	0.50
$\sigma_S(p)$	0.19	-0.04	-0.03	**0.60**	**1.00**	0.57	**1.00**	-0.02	0.51
	0.00	-0.10	-0.08	**0.97**	**1.00**	**0.97**	**1.00**	-0.21	-0.10
	0.21	-0.21	-0.11	**1.00**	**1.00**	**0.99**	**1.00**	-0.00	**0.66**
	-0.40	-0.37	-0.45	**1.00**	**1.00**	**0.99**	**1.00**	-0.50	0.47
$\mu_S(kw)$	-0.03	-0.08	-0.06	**1.00**	0.57	**1.00**	0.59	-0.17	0.04
	0.00	-0.17	-0.16	**1.00**	**0.97**	**1.00**	**0.97**	-0.22	-0.18
	0.19	-0.24	-0.13	**0.99**	**0.99**	**1.00**	**0.99**	0.09	**0.70**
	-0.34	-0.46	-0.53	**0.99**	**0.99**	**1.00**	**0.99**	-0.38	0.57
$\sigma_S(kw)$	0.19	-0.04	-0.03	**0.62**	**1.00**	0.59	**1.00**	-0.01	0.52
	0.00	-0.12	-0.09	**0.97**	**1.00**	**0.97**	**1.00**	-0.19	-0.10
	0.20	-0.21	-0.11	**1.00**	**1.00**	**0.99**	**1.00**	0.01	**0.68**
	-0.40	-0.37	-0.45	**1.00**	**1.00**	**0.99**	**1.00**	-0.50	0.48
$\mu_S(sw)$	0.20	0.22	0.17	-0.22	-0.02	-0.17	-0.01	**1.00**	0.51
	0.00	0.20	0.15	-0.25	-0.21	-0.22	-0.19	**1.00**	0.52
	-0.37	-0.00	0.11	-0.03	-0.00	0.09	0.01	**1.00**	0.43
	0.41	-0.31	-0.27	-0.48	-0.50	-0.38	-0.50	**1.00**	0.43
$\sigma_S(sw)$	0.27	0.14	0.11	0.04	0.51	0.04	0.52	0.51	**1.00**
	0.00	0.29	0.31	-0.19	-0.10	-0.18	-0.10	0.52	**1.00**
	-0.21	-0.27	-0.15	**0.66**	**0.66**	**0.70**	**0.68**	0.43	**1.00**
	-0.22	-0.44	-0.44	0.50	0.47	0.57	0.48	0.43	**1.00**

TABLE S339. Pierson correlation coefficient for the topological and textual measures. TAG: 13

	cc	d	s	$\mu_S(p)$	$\sigma_S(p)$	$\mu_S(kw)$	$\sigma_S(kw)$	$\mu_S(sw)$	$\sigma_S(sw)$
cc	**1.00**	-0.04	-0.05	-0.09	0.04	-0.01	0.13	0.13	0.18
(p.)	**1.00**	**0.63**	0.52	-0.07	0.00	-0.00	0.11	0.13	0.18
(i.)	**1.00**	-0.36	-0.21	0.03	-0.02	0.02	-0.04	0.03	-0.10
(h.)	**1.00**	**-0.69**	**-0.63**	0.22	0.50	0.19	0.23	-0.04	0.03
d	-0.04	**1.00**	**0.98**	-0.05	0.02	-0.01	0.04	0.05	0.09
	0.63	**1.00**	**0.92**	-0.17	0.02	-0.10	0.05	0.05	0.12
	-0.36	**1.00**	**0.90**	-0.01	0.10	0.17	0.10	0.10	0.08
	-0.69	**1.00**	**0.98**	-0.40	**-0.70**	-0.14	-0.24	0.14	-0.19
s	-0.05	**0.98**	**1.00**	-0.04	0.00	-0.01	0.04	0.04	0.07
	0.52	**0.92**	**1.00**	-0.15	0.02	-0.09	0.03	0.06	0.10
	-0.21	**0.90**	**1.00**	-0.04	0.05	0.15	0.09	0.09	0.09
	-0.63	**0.98**	**1.00**	-0.44	**-0.69**	-0.04	-0.16	0.18	-0.17
$\mu_S(p)$	-0.09	-0.05	-0.04	**1.00**	0.28	**0.81**	0.12	0.19	-0.15
	-0.07	-0.17	-0.15	**1.00**	0.28	**0.84**	0.10	0.22	-0.18
	0.03	-0.01	-0.04	**1.00**	**0.78**	0.54	**0.67**	0.13	0.18
	0.22	-0.40	-0.44	**1.00**	0.46	-0.50	**-0.62**	**-0.65**	-0.37
$\sigma_S(p)$	0.04	0.02	0.00	0.28	**1.00**	0.33	**0.75**	-0.00	0.19
	0.00	0.02	0.02	0.28	**1.00**	0.37	**0.74**	-0.01	0.19
	-0.02	0.10	0.05	**0.78**	**1.00**	0.36	**0.79**	-0.02	0.15
	0.50	**-0.70**	**-0.69**	0.46	**1.00**	0.10	0.02	-0.10	-0.01
$\mu_S(kw)$	-0.01	-0.01	-0.01	**0.81**	0.33	**1.00**	0.35	0.58	0.17
	-0.00	-0.10	-0.09	**0.84**	0.37	**1.00**	0.31	0.56	0.10
	0.02	0.17	0.15	0.54	0.36	**1.00**	**0.67**	**0.77**	0.59
	0.19	-0.14	-0.04	-0.50	0.10	**1.00**	**0.84**	**0.77**	**0.74**
$\sigma_S(kw)$	0.13	0.04	0.04	0.12	**0.75**	0.35	**1.00**	0.19	0.55
	0.11	0.05	0.03	0.10	**0.74**	0.31	**1.00**	0.11	0.51
	-0.04	0.10	0.09	**0.67**	**0.79**	**0.67**	**1.00**	0.32	0.57
	0.23	-0.24	-0.16	**-0.62**	0.02	**0.84**	**1.00**	**0.74**	**0.71**
$\mu_S(sw)$	0.13	0.05	0.04	0.19	-0.00	0.58	0.19	**1.00**	**0.62**
	0.13	0.05	0.06	0.22	-0.01	0.56	0.11	**1.00**	0.59
	0.03	0.10	0.09	0.13	-0.02	**0.77**	0.32	**1.00**	**0.72**
	-0.04	0.14	0.18	**-0.65**	-0.10	**0.77**	**0.74**	**1.00**	**0.87**
$\sigma_S(sw)$	0.18	0.09	0.07	-0.15	0.19	0.17	0.55	**0.62**	**1.00**
	0.18	0.12	0.10	-0.18	0.19	0.10	0.51	0.59	**1.00**
	-0.10	0.08	0.09	0.18	0.15	0.59	0.57	**0.72**	**1.00**
	0.03	-0.19	-0.17	-0.37	-0.01	**0.74**	**0.71**	**0.87**	**1.00**

TABLE S340. Pierson correlation coefficient for the topological and textual measures. TAG: 14

	cc	d	s	$\mu_S(p)$	$\sigma_S(p)$	$\mu_S(kw)$	$\sigma_S(kw)$	$\mu_S(sw)$	$\sigma_S(sw)$
cc	**1.00**	-0.01	-0.06	-0.05	-0.01	-0.02	0.05	0.04	0.23
(p.)	**1.00**	0.58	0.50	-0.05	-0.06	-0.05	-0.00	-0.02	0.14
(i.)	**1.00**	-0.48	-0.32	0.07	0.03	0.07	0.03	0.06	0.08
(h.)	**1.00**	**-0.88**	**-0.72**	-0.03	-0.58	0.41	0.05	0.36	0.02
d	-0.01	**1.00**	**0.94**	-0.03	0.03	0.02	0.09	0.14	0.26
	0.58	**1.00**	**0.75**	0.05	0.02	0.04	0.02	0.12	0.09
	-0.48	**1.00**	**0.83**	-0.11	-0.10	0.02	-0.01	0.05	-0.01
	-0.88	**1.00**	**0.88**	0.10	0.60	-0.29	0.05	-0.28	-0.03
s	-0.06	**0.94**	**1.00**	-0.02	0.03	0.03	0.08	0.11	0.21
	0.50	**0.75**	**1.00**	0.09	0.08	0.07	0.09	0.09	0.19
	-0.32	**0.83**	**1.00**	-0.07	0.05	0.02	0.13	-0.03	0.02
	-0.72	**0.88**	**1.00**	0.52	**0.60**	0.02	0.33	-0.02	0.21
$\mu_S(p)$	-0.05	-0.03	-0.02	**1.00**	**0.73**	**0.87**	0.58	-0.02	-0.01
	-0.05	0.05	0.09	**1.00**	**0.78**	**0.90**	**0.61**	-0.03	-0.00
	0.07	-0.11	-0.07	**1.00**	**0.81**	0.52	**0.69**	0.12	0.18
	-0.03	0.10	0.52	**1.00**	0.23	0.54	**0.63**	0.45	0.50
$\sigma_S(p)$	-0.01	0.03	0.03	**0.73**	**1.00**	**0.71**	**0.87**	0.02	0.16
	-0.06	0.02	0.08	**0.78**	**1.00**	**0.78**	**0.90**	-0.03	0.11
	0.03	-0.10	0.05	**0.81**	**1.00**	0.44	**0.78**	0.13	0.24
	-0.58	0.60	**0.60**	0.23	**1.00**	-0.17	0.29	-0.22	-0.03
$\mu_S(kw)$	-0.02	0.02	0.03	**0.87**	**0.71**	**1.00**	**0.71**	0.37	0.22
	-0.05	0.04	0.07	**0.90**	**0.78**	**1.00**	**0.72**	0.31	0.18
	0.07	0.02	0.02	0.52	0.44	**1.00**	**0.66**	**0.79**	0.52
	0.41	-0.29	0.02	0.54	-0.17	**1.00**	**0.89**	**0.99**	**0.90**
$\sigma_S(kw)$	0.05	0.09	0.08	0.58	**0.87**	**0.71**	**1.00**	0.16	0.45
	-0.00	0.02	0.09	**0.61**	**0.90**	**0.72**	**1.00**	0.09	0.40
	0.03	-0.01	0.13	**0.69**	**0.78**	**0.66**	**1.00**	0.31	0.55
	0.05	0.05	0.33	**0.63**	0.29	**0.89**	**1.00**	**0.86**	**0.90**
$\mu_S(sw)$	0.04	0.14	0.11	-0.02	0.02	0.37	0.16	**1.00**	0.48
	-0.02	0.12	0.09	-0.03	-0.03	0.31	0.09	**1.00**	0.36
	0.06	0.05	-0.03	0.12	0.13	**0.79**	0.31	**1.00**	**0.65**
	0.36	-0.28	-0.02	0.45	-0.22	**0.99**	**0.86**	**1.00**	**0.93**
$\sigma_S(sw)$	0.23	0.26	0.21	-0.01	0.16	0.22	0.45	0.48	**1.00**
	0.14	0.09	0.19	-0.00	0.11	0.18	0.40	0.36	**1.00**
	0.08	-0.01	0.02	0.18	0.24	0.52	0.55	**0.65**	**1.00**
	0.02	-0.03	0.21	0.50	-0.03	**0.90**	**0.90**	**0.93**	**1.00**

TABLE S341. Pierson correlation coefficient for the topological and textual measures. TAG: 15

	cc	d	s	$\mu_S(p)$	$\sigma_S(p)$	$\mu_S(kw)$	$\sigma_S(kw)$	$\mu_S(sw)$	$\sigma_S(sw)$
cc	**1.00**	0.09	0.07	0.00	0.05	0.05	0.11	0.13	0.16
(p.)	**1.00**	0.33	0.30	-0.00	0.02	0.00	0.02	0.11	0.05
(i.)	**1.00**	-0.12	-0.01	0.07	0.08	0.06	0.18	0.02	0.15
(h.)	**1.00**	-0.45	-0.37	-0.06	-0.07	-0.05	0.07	0.00	0.08
d	0.09	**1.00**	**0.96**	-0.06	0.01	0.01	0.07	0.11	0.18
	0.33	**1.00**	**0.93**	0.00	0.05	-0.08	0.03	-0.04	0.03
	-0.12	**1.00**	**0.87**	0.07	0.10	0.09	0.12	0.11	0.28
	-0.45	**1.00**	**0.97**	-0.23	0.03	-0.20	-0.21	-0.14	-0.15
s	0.07	**0.96**	**1.00**	-0.05	0.02	-0.00	0.06	0.07	0.13
	0.30	**0.93**	**1.00**	0.05	0.09	-0.06	0.06	-0.05	0.04
	-0.01	**0.87**	**1.00**	0.14	0.19	0.05	0.18	0.04	0.20
	-0.37	**0.97**	**1.00**	-0.21	0.01	-0.18	-0.19	-0.12	-0.13
$\mu_S(p)$	0.00	-0.06	-0.05	**1.00**	**0.87**	**0.67**	**0.67**	0.18	0.12
	-0.00	0.00	0.05	**1.00**	**0.93**	**0.74**	**0.75**	0.15	0.10
	0.07	0.07	0.14	**1.00**	**0.71**	**0.61**	0.59	0.46	0.34
	-0.06	-0.23	-0.21	**1.00**	**0.74**	**0.67**	**0.77**	0.34	0.26
$\sigma_S(p)$	0.05	0.01	0.02	**0.87**	**1.00**	0.47	**0.79**	0.04	0.20
	0.02	0.05	0.09	**0.93**	**1.00**	0.57	**0.83**	0.01	0.18
	0.08	0.10	0.19	**0.71**	**1.00**	0.22	**0.71**	0.07	0.25
	-0.07	0.03	0.01	**0.74**	**1.00**	0.27	**0.64**	-0.13	-0.15
$\mu_S(kw)$	0.05	0.01	-0.00	**0.67**	0.47	**1.00**	**0.62**	**0.75**	0.39
	0.00	-0.08	-0.06	**0.74**	0.57	**1.00**	**0.67**	**0.64**	0.29
	0.06	0.09	0.05	**0.61**	0.22	**1.00**	0.50	**0.92**	0.52
	-0.05	-0.20	-0.18	**0.67**	0.27	**1.00**	**0.70**	**0.88**	**0.82**
$\sigma_S(kw)$	0.11	0.07	0.06	**0.67**	**0.79**	**0.62**	**1.00**	0.31	0.56
	0.02	0.03	0.06	**0.75**	**0.83**	**0.67**	**1.00**	0.25	0.53
	0.18	0.12	0.18	0.59	**0.71**	0.50	**1.00**	0.36	0.58
	0.07	-0.21	-0.19	**0.77**	**0.64**	**0.70**	**1.00**	0.34	0.54
$\mu_S(sw)$	0.13	0.11	0.07	0.18	0.04	**0.75**	0.31	**1.00**	0.59
	0.11	-0.04	-0.05	0.15	0.01	**0.64**	0.25	**1.00**	0.50
	0.02	0.11	0.04	0.46	0.07	**0.92**	0.36	**1.00**	**0.64**
	0.00	-0.14	-0.12	0.34	-0.13	**0.88**	0.34	**1.00**	**0.86**
$\sigma_S(sw)$	0.16	0.18	0.13	0.12	0.20	0.39	0.56	0.59	**1.00**
	0.05	0.03	0.04	0.10	0.18	0.29	0.53	0.50	**1.00**
	0.15	0.28	0.20	0.34	0.25	0.52	0.58	**0.64**	**1.00**
	0.08	-0.15	-0.13	0.26	-0.15	**0.82**	0.54	**0.86**	**1.00**

TABLE S342. Pierson correlation coefficient for the topological and textual measures. TAG: 16

	cc	d	s	$\mu_S(p)$	$\sigma_S(p)$	$\mu_S(kw)$	$\sigma_S(kw)$	$\mu_S(sw)$	$\sigma_S(sw)$
cc	**1.00**	0.19	0.05	0.02	0.05	0.07	0.06	0.12	0.12
(p.)	**1.00**	0.56	0.58	0.05	0.08	0.01	0.01	0.06	0.05
(i.)	**1.00**	-0.44	-0.36	-0.20	-0.33	-0.10	-0.23	0.00	-0.19
(h.)	**1.00**	**-0.62**	-0.55	0.21	0.40	0.09	0.13	-0.16	-0.19
d	0.19	**1.00**	**0.91**	-0.06	0.03	0.04	0.12	0.11	0.21
	0.56	**1.00**	**0.81**	0.25	0.31	0.11	0.10	0.07	0.11
	-0.44	**1.00**	**0.88**	-0.14	0.02	0.11	0.09	0.06	0.19
	-0.62	**1.00**	**0.98**	-0.38	-0.42	-0.45	-0.23	-0.16	0.04
s	0.05	**0.91**	**1.00**	-0.07	0.00	-0.03	0.07	0.06	0.14
	0.58	**0.81**	**1.00**	0.38	0.43	0.14	0.17	0.23	0.24
	-0.36	**0.88**	**1.00**	-0.12	0.03	0.03	0.03	0.03	0.13
	-0.55	**0.98**	**1.00**	-0.30	-0.34	-0.38	-0.15	-0.12	0.05
$\mu_S(p)$	0.02	-0.06	-0.07	**1.00**	**0.71**	0.51	0.41	0.23	0.24
	0.05	0.25	0.38	**1.00**	**0.70**	0.50	0.36	0.22	0.23
	-0.20	-0.14	-0.12	**1.00**	**0.86**	0.58	**0.72**	0.31	0.51
	0.21	-0.38	-0.30	**1.00**	**0.81**	**0.64**	0.56	**0.66**	0.49
$\sigma_S(p)$	0.05	0.03	0.00	**0.71**	**1.00**	0.24	0.55	0.19	0.34
	0.08	0.31	0.43	**0.70**	**1.00**	0.21	0.52	0.20	0.33
	-0.33	0.02	0.03	**0.86**	**1.00**	0.41	**0.85**	0.09	0.49
	0.40	-0.42	-0.34	**0.81**	**1.00**	**0.64**	**0.77**	0.35	0.48
$\mu_S(kw)$	0.07	0.04	-0.03	0.51	0.24	**1.00**	**0.69**	**0.80**	**0.66**
	0.01	0.11	0.14	0.50	0.21	**1.00**	**0.71**	**0.80**	**0.69**
	-0.10	0.11	0.03	0.58	0.41	**1.00**	0.52	**0.84**	0.50
	0.09	-0.45	-0.38	**0.64**	**0.64**	**1.00**	**0.72**	**0.72**	0.40
$\sigma_S(kw)$	0.06	0.12	0.07	0.41	0.55	**0.69**	**1.00**	**0.69**	**0.83**
	0.01	0.10	0.17	0.36	0.52	**0.71**	**1.00**	**0.74**	**0.85**
	-0.23	0.09	0.03	**0.72**	**0.85**	0.52	**1.00**	0.19	**0.63**
	0.13	-0.23	-0.15	0.56	**0.77**	**0.72**	**1.00**	0.48	**0.77**
$\mu_S(sw)$	0.12	0.11	0.06	0.23	0.19	**0.80**	**0.69**	**1.00**	**0.86**
	0.06	0.07	0.23	0.22	0.20	**0.80**	**0.74**	**1.00**	**0.88**
	0.00	0.06	0.03	0.31	0.09	**0.84**	0.19	**1.00**	0.57
	-0.16	-0.16	-0.12	**0.66**	0.35	**0.72**	0.48	**1.00**	0.59
$\sigma_S(sw)$	0.12	0.21	0.14	0.24	0.34	**0.66**	**0.83**	**0.86**	**1.00**
	0.05	0.11	0.24	0.23	0.33	**0.69**	**0.85**	**0.88**	**1.00**
	-0.19	0.19	0.13	0.51	0.49	0.50	**0.63**	0.57	**1.00**
	-0.19	0.04	0.05	0.49	0.48	0.40	**0.77**	0.59	**1.00**

TABLE S343. Pierson correlation coefficient for the topological and textual measures. TAG: 17

E. Formation of principal components

1. Snapshots of 2000 messages

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	-1.76	-0.35	-5.94	71.32	2.31
(p.)	-0.87	-19.14	-8.43	44.14	1.71
(i.)	4.61	-12.28	-26.99	-22.94	8.51
(h.)	5.50	-21.76	28.78	13.69	14.07
d	-0.72	-42.28	3.07	0.66	2.28
	0.82	-27.94	-6.90	-8.85	-1.15
	-5.26	25.79	5.60	-6.71	14.39
	-5.86	24.45	14.00	6.51	1.28
s	-0.41	-42.38	2.46	0.03	1.54
	3.19	-25.99	-1.03	-25.68	-4.01
	-6.80	24.71	-6.46	-11.72	4.67
	-5.63	24.45	15.93	1.16	6.17
$\mu_S(p)$	16.68	3.20	15.57	5.20	5.47
	16.00	6.30	-15.10	-1.67	-9.03
	-13.15	-12.20	1.73	7.56	21.14
	14.14	2.99	5.83	-12.93	0.60
$\sigma_S(p)$	16.53	-2.01	-15.45	-2.99	9.86
	16.18	-2.98	13.61	5.41	-16.63
	-15.33	0.34	-13.02	8.90	-2.22
	14.07	2.75	9.43	-9.34	-2.68
$\mu_S(kw)$	18.15	2.02	10.54	3.21	10.50
	17.78	4.69	-8.51	1.56	-7.49
	-13.22	-12.19	12.16	-9.19	10.93
	14.00	5.74	-4.01	-7.59	12.65
$\sigma_S(kw)$	17.21	-1.66	-12.53	-4.43	16.69
	16.90	-2.56	13.43	5.68	-9.14
	-15.27	-1.15	-8.76	9.29	2.03
	14.10	4.43	5.07	-9.55	-4.25
$\mu_S(sw)$	15.20	0.16	16.55	9.43	-21.79
	14.26	5.01	-18.21	-5.50	18.20
	-11.74	-7.29	15.54	-22.51	-13.96
	12.80	8.79	-16.79	18.99	25.74
$\sigma_S(sw)$	13.34	-5.93	-17.90	-2.73	-29.56
	13.99	-5.38	14.78	1.53	32.66
	-14.62	4.05	-9.74	1.19	-22.15
	13.90	4.63	-0.15	20.24	-32.55
λ	43.64	22.19	15.83	10.95	4.79
	45.53	21.77	14.91	8.62	4.43
	47.95	21.79	11.91	7.23	5.78
	66.80	26.39	5.23	1.14	0.21

TABLE S344. PCA formation TAG: 0

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	1.14	13.34	-2.84	31.50	31.75
(p.)	0.00	0.00	0.00	0.00	0.00
(i.)	-8.07	-10.57	24.15	-29.30	15.49
(h.)	-2.92	-16.83	-18.05	34.95	-4.13
d	-6.26	18.02	-15.68	-10.36	-3.02
	0.00	0.00	0.00	0.00	0.00
	-2.15	-32.98	-1.05	10.05	-0.80
	6.25	-19.67	14.20	0.64	-12.35
s	-6.09	18.21	-15.70	-9.52	-3.35
	0.00	0.00	0.00	0.00	0.00
	-2.71	-33.27	0.76	5.85	-3.54
	7.50	-20.92	9.60	-1.85	29.72
$\mu_S(p)$	20.93	-0.30	-5.48	-1.73	0.52
	27.01	1.83	-0.95	42.73	-9.01
	-17.07	3.74	-4.50	4.35	6.55
	14.49	13.10	-1.07	13.40	13.64
$\sigma_S(p)$	11.86	12.71	14.30	-15.31	9.55
	11.14	-28.32	19.32	-8.66	-26.67
	-15.17	6.02	10.57	14.68	-2.92
	14.22	0.43	14.45	5.24	-19.79
$\mu_S(kw)$	19.56	-3.49	-10.59	1.08	-0.50
	26.09	9.56	-4.47	-3.55	20.12
	-16.34	2.59	-10.15	0.69	15.38
	14.81	9.07	-9.09	8.68	4.17
$\sigma_S(kw)$	12.43	14.47	14.03	-7.86	5.93
	11.00	-29.49	9.79	-7.72	27.98
	-15.79	5.26	12.58	10.47	6.35
	16.69	4.32	2.89	1.12	3.15
$\mu_S(sw)$	16.82	-6.56	-14.62	2.07	-3.48
	24.12	14.58	-5.92	-36.46	-12.00
	-9.99	-4.62	-33.99	-14.05	3.95
	7.98	-9.16	-20.53	-29.65	-1.20
$\sigma_S(sw)$	4.90	12.89	6.75	20.56	-41.90
	0.64	-16.23	-59.55	-0.88	-4.23
	-12.71	0.94	2.25	-10.56	-45.02
	15.13	-6.50	-10.13	-4.46	-11.84
λ	35.42	24.93	20.62	9.90	7.88
	49.66	34.91	14.41	0.75	0.23
	49.51	22.98	11.53	7.62	6.08
	50.00	25.07	22.46	1.97	0.48

TABLE S345. PCA formation TAG: 1

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	1.63	5.12	16.48	-45.64	11.09
(p.)	-2.49	-17.10	-4.20	-53.84	-4.77
(i.)	2.60	-14.15	5.24	55.77	-2.51
(h.)	5.85	-22.35	5.58	7.10	-35.91
d	1.95	31.93	-7.31	0.45	3.24
	-3.09	-30.02	-1.26	13.71	-5.32
	3.96	34.02	4.24	7.71	2.08
	8.02	23.49	-8.22	3.44	-12.32
s	1.90	31.88	-7.42	1.39	3.79
	-3.36	-29.46	-0.45	18.47	-4.18
	3.57	33.54	5.20	12.67	-1.89
	11.25	21.24	-6.76	5.28	-15.45
$\mu_S(p)$	17.73	-6.88	-10.38	-2.46	11.25
	-18.02	5.85	-9.10	3.70	-11.02
	-15.57	3.81	-14.75	8.50	17.29
	-0.07	-4.21	-30.60	9.23	-0.87
$\sigma_S(p)$	17.01	-4.78	-12.26	-10.10	-4.64
	-17.74	1.61	-14.06	2.99	4.87
	-14.26	6.78	-18.10	8.29	11.09
	-1.11	-11.60	-27.64	1.41	5.11
$\mu_S(kw)$	17.96	-3.12	2.81	9.37	16.24
	-17.27	6.64	6.63	-0.69	-16.94
	-17.45	0.70	5.53	0.14	-0.08
	17.95	-5.03	3.57	22.06	13.16
$\sigma_S(kw)$	18.43	-2.28	-4.96	-6.67	-9.50
	-18.35	2.69	-9.70	-1.34	6.78
	-16.55	4.16	-5.47	1.92	-30.33
	17.41	-6.74	-8.88	-20.03	3.85
$\mu_S(sw)$	10.05	5.14	23.37	23.68	11.47
	-7.89	0.74	38.75	-2.18	-11.23
	-11.67	-2.32	24.10	-2.80	21.89
	19.07	-3.51	8.45	11.29	11.52
$\sigma_S(sw)$	13.34	8.88	15.01	0.23	-28.78
	-11.80	-5.89	15.85	-3.08	34.88
	-14.38	0.52	17.36	-2.20	-12.83
	19.28	-1.82	0.31	-20.17	-1.81
λ	42.87	22.92	13.21	10.83	6.09
	42.93	23.33	12.35	9.10	8.00
	45.62	21.59	15.19	10.01	3.39
	39.22	26.43	21.05	6.73	3.38

TABLE S346. PCA formation TAG: 2

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	-0.73	-0.57	-4.34	80.00	-1.74
(p.)	-0.43	-24.40	-1.51	-46.75	-2.23
(i.)	4.29	-18.19	-37.54	11.65	3.29
(h.)	1.93	-25.40	-5.60	32.45	10.51
d	-0.44	-42.38	3.83	0.53	-0.17
	-2.80	-32.15	1.80	11.61	-3.83
	-3.59	32.07	-4.67	-2.86	1.67
	5.04	28.37	0.51	13.80	2.02
s	-0.44	-42.36	3.93	-0.26	-0.43
	-3.01	-30.08	4.93	24.57	4.65
	-2.22	29.65	-20.09	4.20	6.60
	5.44	27.80	-1.32	16.44	3.12
$\mu_S(p)$	17.62	2.58	12.81	0.97	-26.22
	-16.70	1.64	-14.15	1.43	-23.70
	15.60	-0.83	0.48	-13.35	20.63
	-16.73	6.25	6.45	-6.77	20.17
$\sigma_S(p)$	17.71	1.97	15.64	3.33	-14.42
	-16.85	0.42	-16.74	4.13	-12.63
	15.18	-0.34	-5.08	-18.12	15.16
	-16.56	1.34	9.24	6.47	-30.06
$\mu_S(kw)$	19.37	0.12	0.46	-1.04	15.87
	-18.42	3.25	-0.35	-3.94	13.72
	15.83	3.69	7.52	0.66	-10.98
	-17.27	3.64	4.57	0.91	19.04
$\sigma_S(kw)$	18.17	0.12	7.25	4.80	29.54
	-17.43	0.74	-7.15	-2.02	26.91
	13.94	4.80	-10.58	-10.33	-34.36
	-15.39	-0.87	16.27	12.65	-3.09
$\mu_S(sw)$	10.55	-5.68	-29.76	-8.63	-10.24
	-9.93	4.85	31.14	-1.79	-12.05
	13.96	6.18	12.64	22.60	3.55
	-10.53	1.96	-28.75	-4.59	2.76
$\sigma_S(sw)$	14.97	-4.21	-21.98	0.44	-1.36
	-14.42	2.46	22.24	-3.76	0.28
	15.40	4.27	1.39	16.24	3.76
	-11.10	4.35	-27.29	5.93	-9.23
λ	45.15	22.24	14.59	11.12	3.87
	45.61	22.67	14.50	7.87	3.79
	52.92	21.70	10.11	7.30	4.06
	48.91	27.68	17.27	4.98	1.12

TABLE S347. PCA formation TAG: 3

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	-2.83	-0.79	-1.02	67.62	-8.72
(p.)	-1.44	20.98	13.44	38.48	2.27
(i.)	5.17	-6.53	5.29	-56.82	-8.27
(h.)	8.16	-12.31	14.34	32.46	-8.84
d	-0.05	-46.00	-1.07	-0.61	-0.83
	-3.88	31.22	-6.48	-8.70	3.05
	-3.61	36.55	-2.88	-5.32	-0.26
	-10.65	3.06	-21.67	12.39	-4.05
s	0.00	-45.98	-0.86	-1.48	-1.82
	-2.99	30.62	-8.40	-14.14	0.55
	-3.28	36.63	-1.92	-7.77	-0.79
	-10.67	0.41	-21.61	14.43	0.16
$\mu_S(p)$	-17.20	1.86	-9.88	-10.06	-22.81
	16.15	0.69	-8.49	2.50	24.68
	15.69	2.47	-12.87	5.50	-18.68
	14.39	-6.30	-9.67	9.15	29.64
$\sigma_S(p)$	-15.59	-0.59	20.19	-4.04	-13.88
	16.14	1.27	-14.36	7.64	1.33
	12.91	6.38	18.06	11.35	-18.06
	13.20	-11.72	-13.26	-8.37	0.10
$\mu_S(kw)$	-17.54	1.62	-15.13	-4.68	-4.08
	16.16	2.00	8.89	-5.14	20.83
	16.47	1.32	-13.39	0.72	-1.33
	14.44	11.83	-5.86	6.85	-16.64
$\sigma_S(kw)$	-16.58	-0.33	18.64	-1.64	-1.20
	16.46	0.84	-9.56	6.11	-12.63
	14.22	5.29	17.64	6.45	-5.66
	13.49	-9.12	-12.98	-10.36	-18.08
$\mu_S(sw)$	-14.10	0.15	-23.85	2.53	13.04
	11.33	6.33	28.59	-15.91	-0.79
	14.48	-0.02	-17.51	-3.43	10.06
	5.96	24.13	-0.32	4.32	-7.76
$\sigma_S(sw)$	-16.09	-2.68	9.37	7.34	33.63
	15.45	6.05	1.79	-1.39	-33.86
	14.16	4.81	10.45	-2.64	36.89
	9.05	21.12	-0.28	1.67	14.73
λ	45.41	22.11	14.30	11.17	4.85
	51.03	22.84	9.55	8.36	4.21
	42.88	21.41	18.71	10.32	5.00
	42.70	25.28	21.66	5.56	2.69

TABLE S348. PCA formation TAG: 4

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	3.75	-2.12	19.08	-33.23	16.11
(p.)	12.54	9.46	13.18	5.57	31.40
(i.)	-2.55	18.69	28.54	-18.61	8.33
(h.)	4.52	-28.20	-3.72	-32.72	-4.44
d	6.79	29.19	-6.58	-6.58	0.10
	14.57	12.01	9.92	-3.26	-4.64
	6.75	-25.87	1.55	-11.60	9.39
	-0.43	31.56	-3.84	-4.87	-6.50
s	6.38	29.14	-7.73	-6.71	-2.10
	13.33	11.58	10.73	-2.10	-26.38
	7.76	-24.21	10.20	-10.25	-5.91
	0.28	30.16	-0.73	-27.44	5.11
$\mu_S(p)$	10.88	-14.83	-19.37	-11.20	0.69
	2.35	-21.92	13.23	6.75	-3.60
	14.37	2.96	6.27	13.96	10.26
	-16.73	-1.81	-6.29	-8.26	-18.38
$\sigma_S(p)$	14.66	-6.09	5.50	-5.13	-23.96
	12.63	-7.72	-8.15	23.51	5.03
	14.00	1.26	13.69	9.06	-13.83
	-12.68	-3.36	-33.50	-1.88	16.94
$\mu_S(kw)$	12.98	-10.92	-16.87	-4.16	13.98
	4.21	-21.13	13.64	-7.80	-4.19
	14.74	4.19	-2.65	3.80	19.31
	-16.78	-0.69	8.64	-1.58	-15.29
$\sigma_S(kw)$	16.43	-3.04	7.26	0.44	-15.68
	15.62	-5.95	-11.19	11.56	-4.12
	15.33	2.78	7.03	4.62	-7.26
	-17.04	0.51	-9.36	7.84	-5.76
$\mu_S(sw)$	13.41	2.23	5.26	17.63	23.41
	10.43	-7.58	-5.63	-28.27	14.07
	12.16	8.83	-19.45	-13.79	7.90
	-15.12	-3.12	21.60	-11.15	16.41
$\sigma_S(sw)$	14.71	2.45	12.34	14.93	3.96
	14.32	-2.66	-14.32	-11.19	-6.58
	12.34	11.20	-10.60	-14.30	-17.81
	-16.42	-0.61	12.33	4.26	11.18
λ	41.98	21.53	14.63	9.46	8.87
	39.13	24.42	14.84	11.83	4.31
	55.43	20.66	9.56	7.86	3.91
	54.48	29.84	8.29	2.94	2.19

TABLE S349. PCA formation TAG: 5

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	1.04	3.05	-14.78	52.20	-0.80
(p.)	-1.32	-15.80	-1.36	-65.21	-8.85
(i.)	-0.05	16.06	14.10	38.32	3.66
(h.)	7.74	-4.89	24.26	29.39	-5.95
d	-0.13	45.00	-0.56	-2.22	-2.07
	-2.25	-37.35	-1.17	6.86	41.71
	0.19	-33.60	4.48	6.65	35.11
	-12.56	5.15	-18.09	21.41	-9.33
s	0.01	44.97	-1.23	-2.77	1.59
	-2.05	-35.79	1.80	21.69	-39.63
	-1.43	-31.85	10.00	7.02	-34.32
	-15.31	3.64	-10.99	14.90	4.29
$\mu_S(p)$	17.31	-1.82	-12.40	-7.99	-15.66
	-16.44	2.26	-14.99	1.66	-1.07
	-17.29	4.16	7.58	-9.14	2.58
	-15.23	1.34	11.36	-9.98	-13.97
$\sigma_S(p)$	17.15	-0.31	-14.88	-6.32	4.71
	-16.61	1.22	-15.53	1.62	-1.05
	-15.86	3.53	15.15	-11.12	4.34
	-16.14	0.22	8.54	-8.19	7.74
$\mu_S(kw)$	18.50	-0.83	-0.05	-2.22	-13.61
	-17.61	2.96	-2.18	-0.26	-1.22
	-18.39	-1.23	-5.50	3.03	4.25
	6.34	26.22	0.26	6.14	15.95
$\sigma_S(kw)$	17.94	0.01	-9.04	-4.03	16.16
	-17.17	1.77	-9.34	0.37	0.01
	-17.11	2.25	10.94	-3.06	-0.27
	-14.38	8.11	14.78	2.61	19.27
$\mu_S(sw)$	12.70	2.63	26.84	13.21	-19.28
	-12.13	1.20	30.44	-1.72	-1.43
	-13.74	-4.99	-19.27	11.38	3.88
	9.17	23.61	-4.09	-3.21	1.51
$\sigma_S(sw)$	15.22	1.39	20.21	9.04	26.11
	-14.42	1.66	23.19	-0.60	5.03
	-15.95	-2.32	-12.96	10.28	-11.60
	-3.13	26.83	7.62	-4.17	-21.99
λ	50.40	21.93	12.54	10.88	1.86
	51.35	20.02	12.27	10.43	2.65
	48.20	20.31	14.70	9.22	2.83
	49.26	27.56	13.56	6.68	1.30

TABLE S350. PCA formation TAG: 6

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	-4.98	5.46	-36.95	-21.21	-2.44
(p.)	5.95	23.39	-7.46	-38.40	-13.41
(i.)	7.45	-18.42	0.87	-33.92	6.69
(h.)	7.33	-15.38	15.25	-12.58	-14.46
d	-2.25	-33.45	1.14	-7.10	3.56
	3.25	28.30	2.77	6.54	39.92
	-7.11	23.70	1.44	-6.43	-7.87
	-9.02	14.24	-15.11	12.33	-7.76
s	-1.57	-33.58	2.93	-6.70	-6.79
	2.99	27.00	6.02	26.79	-29.93
	-3.75	23.10	5.58	-16.29	21.01
	-9.00	12.35	-6.19	-33.10	-13.35
$\mu_S(p)$	-14.56	7.69	14.24	-10.39	-28.27
	14.01	-4.22	19.68	-5.31	-4.43
	-13.95	-8.38	12.27	8.83	17.34
	12.40	-2.03	-19.11	3.55	-12.89
$\sigma_S(p)$	-13.27	6.81	16.72	-18.22	19.81
	13.77	-4.05	21.58	-4.72	3.90
	-10.78	-5.83	21.28	-7.40	-12.81
	7.14	-13.99	-18.69	-1.89	-0.84
$\mu_S(kw)$	-16.25	-0.77	-3.90	10.09	-14.40
	15.28	-4.08	-9.44	3.05	-2.55
	-15.03	-8.26	-10.72	6.51	14.26
	15.23	9.29	6.46	8.81	-14.28
$\sigma_S(kw)$	-16.71	2.96	5.46	-1.01	10.24
	15.67	-4.47	2.05	1.53	3.07
	-15.85	-4.80	12.24	-2.89	-7.61
	16.07	-1.92	-9.33	-12.51	11.27
$\mu_S(sw)$	-14.41	-6.36	-11.96	16.92	3.47
	13.86	-2.71	-21.08	8.80	2.66
	-12.04	-4.52	-20.83	-3.67	-1.76
	12.02	14.90	8.68	5.10	-7.49
$\sigma_S(sw)$	-16.01	-2.93	-6.71	8.37	11.02
	15.22	-1.77	-9.92	4.86	0.14
	-14.03	2.99	-14.78	-14.05	-10.65
	11.79	15.91	1.18	-10.13	17.66
λ	53.79	21.89	10.95	8.82	1.68
	58.05	25.60	8.27	4.36	1.76
	40.89	23.19	19.46	6.76	4.57
	41.64	29.17	19.90	6.96	1.42

TABLE S351. PCA formation TAG: 7

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	1.14	5.26	75.00	0.31	-0.40
(p.)	0.00	0.00	0.00	0.00	0.00
(i.)	-4.23	7.28	-3.50	-52.43	11.23
(h.)	-11.67	3.12	27.96	12.90	-5.10
d	1.75	40.68	-3.89	1.58	2.41
	-1.56	-45.38	-0.08	-0.28	-43.96
	-4.94	-30.10	6.54	-6.75	-2.00
	15.45	5.06	-12.46	2.31	-12.93
s	1.84	40.60	-6.40	0.30	1.76
	-1.37	-45.43	0.22	2.75	43.76
	-4.94	-30.22	6.14	-6.77	0.42
	16.93	-1.34	-1.18	3.32	-5.74
$\mu_S(p)$	16.28	-3.64	-5.44	-11.17	5.89
	-16.54	0.72	11.54	4.00	-4.61
	-13.72	8.08	16.73	2.38	10.99
	14.58	0.37	10.27	21.50	-9.37
$\sigma_S(p)$	16.29	0.00	-1.53	-18.16	-13.87
	-16.76	-0.41	8.30	-16.18	4.24
	-13.97	7.53	18.10	4.63	8.31
	16.01	-7.70	7.03	2.19	7.16
$\mu_S(kw)$	15.89	-3.84	1.33	-4.31	31.61
	-15.90	3.94	20.45	22.13	-0.87
	-16.80	3.11	-9.28	-5.71	-21.25
	-3.99	-22.77	-8.67	22.08	10.82
$\sigma_S(kw)$	15.88	1.93	3.73	-14.32	-10.71
	-16.28	0.70	8.82	-20.22	1.86
	-17.23	5.62	3.33	2.51	-17.96
	10.58	-17.93	9.97	-11.62	17.07
$\mu_S(sw)$	15.33	-2.94	0.24	28.57	10.08
	-15.79	2.00	-22.39	22.88	0.27
	-11.04	-3.99	-21.98	1.56	2.76
	-10.75	-18.47	-12.66	7.28	-11.41
$\sigma_S(sw)$	15.61	-1.12	-2.43	21.27	-23.28
	-15.79	1.43	-28.20	-11.54	-0.44
	-13.14	-4.08	-14.40	17.26	25.07
	0.04	-23.24	9.81	-16.80	-20.40
λ	54.34	21.98	11.07	5.31	3.39
	64.56	22.70	4.53	3.14	2.25
	37.71	21.18	19.49	11.08	4.43
	51.99	25.69	9.71	7.18	4.97

TABLE S352. PCA formation TAG: 8

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	3.19	-3.67	9.50	-54.34	-3.29
(p.)	5.89	20.68	3.89	40.77	5.56
(i.)	-6.10	16.87	-9.18	41.57	-1.26
(h.)	5.46	22.62	9.77	22.59	2.09
d	1.55	37.46	-3.42	-4.69	-0.32
	5.71	26.30	3.01	-5.39	-9.62
	7.73	-20.34	9.26	14.78	-10.73
	-8.58	-20.26	2.78	10.87	9.85
s	0.99	37.46	-4.41	-2.59	-3.26
	6.51	23.19	-4.79	-28.10	-4.02
	7.50	-20.47	5.10	21.98	12.19
	-8.44	-20.38	1.06	12.71	-4.60
$\mu_S(p)$	15.86	-5.86	-11.64	1.90	-36.25
	14.58	-7.81	13.39	-1.81	-14.36
	13.05	10.17	6.52	-0.59	35.03
	13.51	-2.35	-13.92	9.49	19.54
$\sigma_S(p)$	16.93	-4.51	-15.74	-5.18	7.90
	14.53	-5.48	16.49	-2.73	-4.10
	13.16	11.89	12.61	2.43	-9.59
	11.58	-8.49	42.31	-0.72	8.52
$\mu_S(kw)$	17.33	0.20	8.99	11.92	-5.01
	13.72	-8.75	-14.04	8.47	-15.61
	15.27	3.52	-5.84	-5.31	1.47
	13.32	-6.43	2.59	-6.60	-24.68
$\sigma_S(kw)$	16.83	-2.07	-10.68	-3.60	32.51
	15.91	-5.40	6.98	-0.03	6.86
	13.40	10.58	11.08	2.39	-21.73
	12.97	-6.85	-3.32	17.30	-15.46
$\mu_S(sw)$	11.45	4.99	25.09	12.63	6.48
	8.58	-1.90	-30.52	4.71	-6.83
	11.16	-4.71	-23.26	-5.84	-7.55
	13.24	-5.07	-2.45	-16.59	11.06
$\sigma_S(sw)$	15.88	3.78	10.53	-3.15	-4.98
	14.55	-0.48	-6.89	-7.99	33.04
	12.62	-1.46	-17.16	5.11	0.46
	12.90	-7.55	-21.81	3.13	4.21
λ	43.30	22.39	13.62	10.97	4.40
	48.21	23.14	14.02	6.57	3.82
	49.77	24.03	11.84	6.18	3.17
	67.81	25.52	3.20	3.05	0.37

TABLE S353. PCA formation TAG: 9

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	4.69	0.98	7.19	64.50	4.22
(p.)	4.72	13.71	6.01	53.57	3.48
(i.)	1.19	-11.67	-10.53	48.89	2.06
(h.)	6.32	-14.25	-9.13	30.52	9.63
d	6.81	-33.15	1.07	-1.30	2.24
	3.24	33.43	-5.20	-6.53	-1.05
	6.58	30.89	-0.46	6.92	0.85
	-9.74	10.48	18.37	9.05	2.82
s	6.61	-33.26	1.78	-1.97	2.78
	2.88	33.00	-3.70	-14.98	-0.72
	6.94	30.00	-4.07	9.90	-0.49
	-9.18	10.28	18.35	13.31	4.14
$\mu_S(p)$	12.19	8.16	19.17	-9.24	14.55
	14.09	0.60	19.59	-7.59	11.03
	12.70	-4.78	-18.11	-6.76	-17.90
	18.50	5.31	7.02	-6.14	20.99
$\sigma_S(p)$	12.63	5.89	21.27	-12.09	-1.66
	13.34	0.75	22.05	-9.22	2.03
	13.52	-3.66	-19.03	-13.02	2.81
	18.10	7.73	3.34	12.09	4.21
$\mu_S(kw)$	14.73	7.20	-12.09	-3.38	17.92
	15.95	-5.68	-11.06	-1.22	19.99
	15.62	-5.59	10.63	4.00	-18.43
	10.43	-13.30	14.03	-13.01	1.11
$\sigma_S(kw)$	16.01	4.73	3.69	-2.18	-18.48
	17.35	-4.44	1.87	-1.26	-19.81
	16.35	-6.41	-4.47	-3.79	17.61
	18.66	0.89	8.79	3.51	-26.02
$\mu_S(sw)$	12.33	4.60	-21.69	-0.20	13.53
	13.41	-4.46	-19.48	1.00	16.20
	12.98	-3.21	20.65	5.53	-13.95
	-3.85	-19.23	10.32	-5.19	16.35
$\sigma_S(sw)$	14.00	2.04	-12.05	5.13	-24.62
	15.02	-3.93	-11.05	4.62	-25.70
	14.12	-3.78	12.05	1.20	25.90
	-5.21	-18.54	10.64	7.19	-14.74
λ	42.73	20.62	16.22	10.43	6.12
	39.47	20.74	17.50	9.71	7.19
	43.21	19.87	15.92	10.13	6.06
	36.54	32.05	22.26	6.69	1.36

TABLE S354. PCA formation TAG: 10

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	1.56	5.55	5.27	66.36	4.43
(p.)	2.07	21.29	-3.09	-16.58	-30.47
(i.)	3.53	-5.95	-6.72	51.70	8.40
(h.)	9.65	-14.73	3.26	14.54	27.15
d	3.28	39.23	-2.42	-3.75	1.71
	2.31	29.69	-4.90	7.49	10.16
	6.23	18.94	16.55	7.89	-1.65
	-10.34	13.75	-14.11	5.08	9.43
s	2.89	39.14	-2.73	-6.53	2.19
	2.30	29.95	-4.12	6.71	9.55
	6.37	19.06	16.00	10.14	-1.42
	-9.80	13.47	-14.84	6.58	13.35
$\mu_S(p)$	11.87	-6.88	-23.79	0.56	19.99
	-12.99	-3.75	-21.38	18.20	-12.48
	8.32	-18.13	13.89	6.33	-6.38
	10.80	-6.99	-19.67	0.26	6.55
$\sigma_S(p)$	11.31	-0.30	-25.29	10.55	-14.13
	-10.90	-0.79	-27.98	-9.77	8.49
	10.21	-14.05	15.44	-6.84	12.95
	8.72	-6.76	-21.47	2.17	-16.46
$\mu_S(kw)$	19.19	-6.59	-2.36	-5.99	11.85
	-19.64	0.08	-0.64	7.86	-7.62
	17.95	-8.73	0.93	-2.42	-16.55
	14.15	7.50	-7.33	-20.52	6.85
$\sigma_S(kw)$	17.26	-1.70	1.16	0.48	-24.22
	-17.26	1.60	-1.20	-18.84	10.50
	16.92	2.12	-4.56	-13.03	22.97
	13.31	10.62	-1.67	19.42	-11.12
$\mu_S(sw)$	15.36	-0.55	19.90	-4.40	14.27
	-14.96	6.19	21.48	9.07	-5.17
	15.77	4.76	-12.12	0.29	-20.25
	12.34	12.79	7.28	-15.30	8.15
$\sigma_S(sw)$	17.31	-0.06	17.07	-1.37	-7.20
	-17.57	6.65	15.22	-5.48	5.55
	14.70	8.27	-13.80	-1.36	9.42
	10.89	13.38	10.37	16.12	-0.94
λ	36.91	22.07	16.02	11.02	7.75
	37.77	25.85	14.81	8.29	7.11
	33.74	23.23	20.12	10.67	6.77
	40.07	27.24	20.10	6.53	3.68

TABLE S355. PCA formation TAG: 11

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	1.74	-5.84	65.45	6.54	3.46
(p.)	3.05	25.91	7.04	-39.20	10.92
(i.)	1.35	-26.58	-3.04	3.88	-35.98
(h.)	2.27	-23.40	3.92	-12.98	-28.77
d	0.10	42.02	5.14	-1.82	1.50
	3.32	29.28	-1.98	10.23	-39.13
	1.83	32.21	2.09	3.62	-7.14
	-5.09	23.42	-4.82	-7.66	-9.70
s	-0.04	42.02	4.95	-2.16	-0.13
	2.74	28.28	-5.42	24.82	30.04
	7.35	26.09	-6.26	6.55	-24.35
	-6.60	22.02	-7.16	-12.32	-13.95
$\mu_S(p)$	-17.34	-1.71	4.10	-15.96	1.19
	-15.74	3.23	14.81	4.88	-0.02
	15.63	-5.86	0.09	24.68	7.62
	15.40	-0.94	-4.59	-32.59	14.96
$\sigma_S(p)$	-17.38	-1.36	5.97	-14.74	-6.97
	-15.67	3.41	15.09	5.31	0.87
	17.15	-3.69	-13.40	11.91	6.62
	7.74	-6.02	-31.84	4.42	0.57
$\mu_S(kw)$	-18.27	-0.95	0.88	-4.05	8.04
	-16.65	2.86	3.53	-1.13	-0.64
	16.59	-3.00	19.25	1.41	2.91
	15.63	8.27	11.89	5.48	-13.92
$\sigma_S(kw)$	-18.07	-0.56	3.46	-3.57	-12.16
	-16.55	3.22	4.94	1.25	2.21
	14.75	-1.62	-16.46	-16.91	5.60
	15.20	4.13	-16.01	15.95	-6.89
$\mu_S(sw)$	-14.48	1.75	-6.80	20.55	37.57
	-14.11	1.25	-18.61	-10.02	-9.51
	10.28	0.13	31.23	-9.05	-5.14
	14.61	6.98	18.02	6.20	6.47
$\sigma_S(sw)$	-12.58	3.79	-3.24	30.61	-28.98
	-12.16	2.55	-28.57	-3.14	6.65
	15.05	0.82	-8.18	-21.99	-4.65
	17.46	4.84	1.76	-2.40	-4.77
λ	52.62	22.25	11.00	9.38	3.81
	55.49	24.96	9.41	5.22	2.45
	40.88	22.21	14.41	9.27	7.13
	47.58	31.76	15.15	4.19	1.22

TABLE S356. PCA formation TAG: 12

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	-3.62	-12.16	-6.65	-45.17	-12.88
(p.)	0.00	0.00	0.00	0.00	0.00
(i.)	-3.39	12.26	22.07	-41.04	-11.48
(h.)	-4.31	20.51	-19.85	16.68	1.88
d	1.94	-21.03	15.72	0.47	2.11
	-6.01	-24.68	-16.11	-7.72	36.50
	6.52	-26.41	12.27	3.74	-1.83
	-8.45	-20.23	7.69	-4.97	10.27
s	1.78	-19.83	17.35	5.27	4.85
	-5.58	-24.78	-16.97	-1.40	-36.24
	4.51	-28.31	10.84	-5.34	-4.35
	-9.49	-19.00	7.95	14.11	-9.53
$\mu_S(p)$	-19.52	6.00	10.60	4.15	-13.06
	19.18	-4.63	0.93	-2.32	6.49
	-17.61	-2.32	5.08	4.08	6.31
	15.73	-4.01	-2.09	-3.85	-8.60
$\sigma_S(p)$	-21.23	-3.24	-4.29	-2.68	12.71
	18.80	-7.25	2.54	1.48	-3.31
	-17.57	-3.39	4.78	4.00	7.18
	15.64	-4.67	-2.67	-2.79	3.40
$\mu_S(kw)$	-19.13	5.59	10.52	5.59	-15.53
	19.16	-4.81	2.35	-4.19	4.13
	-17.70	-3.60	2.36	-0.96	8.85
	15.90	-1.90	0.41	-7.05	26.55
$\sigma_S(kw)$	-21.45	-3.21	-4.12	-1.97	11.78
	18.81	-7.07	3.25	0.48	-6.74
	-17.61	-3.60	4.30	3.97	6.36
	15.65	-4.62	-2.47	-0.08	-27.05
$\mu_S(sw)$	1.41	-14.84	-14.26	22.85	-21.07
	-6.81	-10.81	31.42	-40.09	-3.22
	-1.46	-13.17	-23.44	-36.72	15.38
	-5.37	17.63	25.40	-23.64	-7.96
$\sigma_S(sw)$	-9.90	-14.10	-16.50	11.86	5.99
	-5.65	-15.96	26.43	42.32	3.36
	-13.62	-6.95	-14.88	-0.16	-38.25
	9.47	7.44	31.47	26.84	4.75
λ	37.34	25.99	16.81	9.30	7.44
	51.77	26.09	14.90	5.89	0.78
	51.78	20.32	17.33	6.81	2.55
	56.14	30.24	12.91	0.72	0.00

TABLE S357. PCA formation TAG: 13

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	3.37	-0.83	14.09	-5.03	50.06
(p.)	6.59	18.29	5.66	1.19	-43.88
(i.)	1.55	-15.43	-4.53	-47.39	8.47
(h.)	0.25	16.55	26.28	5.71	-22.06
d	2.41	35.29	-6.31	1.07	4.24
	5.17	23.45	6.52	6.20	12.08
	-5.17	28.11	6.67	-9.29	-1.11
	-1.59	-20.58	-0.50	12.37	-6.42
s	2.25	35.20	-6.82	0.87	3.89
	4.93	22.39	6.91	6.32	23.09
	-4.64	27.37	5.49	-17.64	3.79
	-2.91	-20.03	3.75	15.60	-7.98
$\mu_S(p)$	12.35	-9.98	-22.74	-1.34	10.31
	10.86	-13.37	18.00	9.03	-2.47
	-14.03	-10.67	13.54	-1.81	-15.84
	15.97	8.53	-19.11	1.89	-18.20
$\sigma_S(p)$	14.84	-2.43	1.42	27.12	1.03
	14.16	-4.35	-11.17	20.39	4.89
	-13.41	-7.72	18.65	0.28	6.70
	3.84	17.07	-10.10	28.32	13.58
$\mu_S(kw)$	18.50	-7.21	-14.65	-8.89	3.62
	16.47	-11.28	13.86	0.18	1.40
	-17.25	-0.49	-8.34	-5.86	-17.38
	-18.67	5.35	0.71	12.64	-2.68
$\sigma_S(kw)$	17.50	1.03	10.30	18.81	-4.58
	15.68	-0.98	-17.20	9.82	-3.98
	-17.64	-5.46	6.36	3.61	14.76
	-18.80	6.15	10.02	-5.27	10.27
$\mu_S(sw)$	14.84	1.38	4.34	-26.90	-7.44
	13.51	-0.72	6.12	-26.19	6.81
	-12.50	2.83	-20.90	-3.03	-10.19
	-20.01	-0.57	-9.21	6.98	-7.86
$\sigma_S(sw)$	13.93	6.65	19.32	-9.98	-14.83
	12.62	5.17	-14.55	-20.68	1.40
	-13.81	1.91	-15.50	11.09	21.77
	-17.96	5.18	-20.33	-11.21	-10.95
λ	30.28	22.42	17.44	14.70	9.91
	29.33	28.15	16.18	14.62	5.93
	39.06	22.65	18.04	9.82	5.13
	41.94	37.89	7.28	5.14	3.99

TABLE S358. PCA formation TAG: 14

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	-0.65	2.34	-17.64	-39.91	-14.50
(p.)	0.66	22.62	7.03	7.51	37.42
(i.)	-2.47	22.30	3.90	-46.18	6.24
(h.)	5.69	-18.79	15.33	3.54	25.68
d	-3.66	26.39	11.69	-5.22	-3.32
	3.09	25.53	6.56	-7.37	-9.81
	1.43	-32.67	0.61	-8.96	6.33
	-4.08	20.11	-11.96	-7.39	17.22
s	-3.56	25.82	13.53	-3.53	-3.32
	4.49	24.63	4.99	-2.29	-23.59
	-0.14	-30.88	-3.13	-23.75	-0.29
	2.35	20.60	2.66	-15.49	15.37
$\mu_S(p)$	-17.80	-9.37	9.29	-1.67	-12.36
	19.29	-4.23	11.20	-8.49	4.11
	-15.79	3.44	-17.47	3.40	10.18
	12.38	8.36	28.97	-20.99	-12.64
$\sigma_S(p)$	-19.29	-6.00	5.59	-7.40	8.05
	20.58	-4.51	7.40	4.97	-4.19
	-16.08	0.66	-18.20	-0.10	-2.94
	-1.32	16.99	14.09	36.37	-0.61
$\mu_S(kw)$	-19.97	-4.25	-0.15	8.62	-13.07
	20.78	-3.16	-1.63	-11.50	8.24
	-18.07	-2.22	9.44	4.47	19.71
	19.15	-2.65	-2.16	0.33	9.40
$\sigma_S(kw)$	-19.63	-0.95	-2.03	-6.23	15.08
	19.96	-2.09	-3.10	13.86	-2.72
	-18.75	-3.09	-7.79	-3.78	-12.56
	18.06	6.27	0.43	14.89	2.11
$\mu_S(sw)$	-6.57	10.68	-20.04	27.33	-13.31
	4.27	5.26	-30.48	-22.46	6.28
	-13.23	-2.57	22.94	6.37	12.69
	18.87	-3.13	-9.47	0.59	3.60
$\sigma_S(sw)$	-8.88	14.20	-20.05	0.09	16.98
	6.87	7.97	-27.61	21.55	-3.64
	-14.05	-2.17	16.52	-2.98	-29.05
	18.12	3.09	-14.92	0.40	-13.38
λ	37.68	23.49	15.46	10.81	7.19
	38.32	25.31	14.87	8.99	5.61
	39.11	23.65	16.74	8.12	6.02
	46.70	37.34	7.41	6.07	2.25

TABLE S359. PCA formation TAG: 15

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	3.10	5.80	6.18	52.36	-10.50
(p.)	1.25	19.07	8.13	34.07	17.43
(i.)	-2.77	6.61	7.50	-49.27	12.41
(h.)	-2.27	18.74	1.94	-41.01	9.17
d	2.53	29.13	-8.56	-3.62	-2.44
	0.74	34.52	0.35	-7.54	-6.88
	-6.00	-32.64	-5.55	-1.38	1.86
	7.88	-24.54	-5.40	-12.36	1.33
s	2.20	28.72	-9.79	-4.42	-3.35
	1.39	34.23	-0.88	-8.78	-7.38
	-6.10	-32.53	-0.20	-4.81	8.19
	7.51	-23.96	-5.84	-16.67	2.59
$\mu_S(p)$	16.41	-9.42	-12.19	-1.71	-10.11
	19.12	-0.65	-14.23	6.02	-4.37
	-14.84	5.43	10.17	12.89	17.35
	-14.42	-7.10	13.68	4.61	14.34
$\sigma_S(p)$	15.92	-7.27	-15.94	6.59	4.05
	18.59	1.76	-16.65	0.01	5.44
	-11.78	-0.83	23.52	9.79	-1.36
	-7.44	-11.05	22.62	-4.92	5.79
$\mu_S(kw)$	17.43	-2.08	7.28	-12.19	-17.29
	18.70	-5.25	6.12	8.88	-15.19
	-15.30	9.95	-13.14	4.64	12.17
	-17.33	-5.59	-6.89	2.50	7.46
$\sigma_S(kw)$	18.16	-2.04	-4.45	5.39	14.70
	19.92	0.43	-2.82	-7.97	10.59
	-15.24	2.30	11.81	-2.41	-15.78
	-15.46	-5.93	9.11	-9.45	-25.23
$\mu_S(sw)$	12.06	6.67	21.00	-11.26	-11.38
	9.88	-3.46	28.35	6.45	-14.36
	-13.97	9.07	-19.32	1.46	5.35
	-13.69	-2.03	-17.56	2.23	17.95
$\sigma_S(sw)$	12.19	8.87	14.62	2.45	26.18
	10.41	0.64	22.47	-20.28	18.36
	-14.01	-0.64	-8.79	-13.35	-25.52
	-13.99	-1.07	-16.97	-6.25	-16.14
λ	39.02	22.88	15.95	10.83	7.56
	39.29	23.65	16.27	9.24	8.08
	40.52	20.21	15.49	11.15	6.67
	42.29	23.53	20.17	8.25	3.50

TABLE S360. PCA formation TAG: 16

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	-2.92	-7.41	-1.46	67.69	0.05
(p.)	-4.31	-16.96	16.50	2.58	-36.42
(i.)	-6.57	17.76	-10.81	35.78	10.10
(h.)	-5.43	19.38	16.26	-6.60	-5.22
d	-3.88	-31.95	6.90	-2.59	3.24
	-7.21	-19.34	6.27	1.21	22.20
	3.37	-30.11	-2.92	7.89	4.98
	9.82	-19.60	8.28	-8.05	3.24
s	-2.58	-31.65	7.92	-11.93	4.01
	-9.48	-18.42	4.07	-1.34	14.63
	2.47	-29.54	-1.97	12.11	9.25
	8.63	-19.71	10.64	-11.79	6.51
$\mu_S(p)$	-11.31	11.17	22.97	2.11	19.96
	-10.65	-4.46	-24.52	20.22	-6.23
	15.87	9.27	8.29	-2.47	12.11
	-13.82	-3.05	0.50	-22.40	-12.13
$\sigma_S(p)$	-11.20	7.28	25.68	3.14	-16.64
	-10.79	-6.05	-23.45	-19.65	-7.30
	15.52	3.21	16.60	3.90	7.32
	-14.03	0.30	15.91	-8.96	5.22
$\mu_S(kw)$	-16.49	4.46	-7.95	-2.49	23.64
	-13.90	8.57	3.00	25.24	-0.09
	14.65	3.23	-16.41	-7.02	18.64
	-13.88	-2.93	-10.89	-0.89	25.96
$\sigma_S(kw)$	-17.65	1.44	-0.96	-5.29	-15.44
	-14.86	8.29	-0.04	-14.56	-6.29
	16.07	2.62	10.55	12.12	-2.02
	-13.33	-8.20	12.18	15.33	11.86
$\mu_S(sw)$	-16.63	-1.01	-15.77	-1.44	3.40
	-14.13	9.34	12.54	2.70	4.30
	10.76	2.67	-25.98	-8.24	-0.87
	-11.12	-11.10	-19.40	-7.60	-8.99
$\sigma_S(sw)$	-17.33	-3.63	-10.39	-3.32	-13.62
	-14.66	8.57	9.61	-12.50	2.54
	14.71	-1.60	-6.47	10.47	-34.69
	-9.94	-15.73	5.95	18.38	-20.87
λ	41.84	21.92	14.33	10.78	6.12
	44.48	24.98	13.88	6.33	4.86
	42.46	23.91	16.07	7.14	5.46
	49.26	25.87	9.83	6.19	4.62

TABLE S361. PCA formation TAG: 17