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

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CONTENTS

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

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SI. MEASURES

A. General characteristics of activity distribution among participants

1. Snapshots of 1000 messages

	g.	**p.**	**i.**	**h.**
N	116	62	46	8
$N_{\%}$	100.00	53.45	39.66	6.90
M	999.00	120.00	394.00	485.00
$M_{\%}$	100.00	12.01	39.44	48.55
Γ	205.00	58.00	96.00	51.00
$\Gamma_{\%}$	100.00	28.29	46.83	24.88
$\frac{\Gamma}{M}\%$	20.52	48.33	24.37	10.52
$\mu(\gamma)$	2.60	2.24	2.76	2.73
$\sigma(\gamma)$	0.49	0.43	0.43	0.45

TABLE S1. Distribution of participants, messages and threads among each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs) in a total time period of 0.34 years (from 2003-04-14T06:38:44 to 2003-08-16T15:26:03). N is the number of participants, M is the number of messages, Γ is the number of threads, and γ is the number of messages in a thread. The % denotes the usual 'per cent' with respecto to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 0

	g.	**p.**	**i.**	**h.**
N	163	87	53	23
$N_{\%}$	100.00	53.37	32.52	14.11
M	1000.00	144.00	327.00	519.00
$M_{\%}$	100.00	14.55	33.03	52.42
Γ	274.00	67.00	99.00	108.00
$\Gamma_{\%}$	100.00	24.45	36.13	39.42
$\frac{\Gamma}{M}\%$	27.40	46.53	30.28	20.81
$\mu(\gamma)$	2.65	2.46	2.71	2.70
$\sigma(\gamma)$	0.48	0.50	0.46	0.46

TABLE S2. Distribution of participants, messages and threads among each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs) in a total time period of 0.16 years (from 2002-03-15T14:54:31 to 2002-05-13T09:52:28). N is the number of participants, M is the number of messages, Γ is the number of threads, and γ is the number of messages in a thread. The % denotes the usual 'per cent' with respecto to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 2

	g.	**p.**	**i.**	**h.**
N	89	47	35	7
$N_{\%}$	100.00	52.81	39.33	7.87
M	1000.00	115.00	348.00	537.00
$M_{\%}$	100.00	11.50	34.80	53.70
Γ	254.00	87.00	104.00	63.00
$\Gamma_{\%}$	100.00	34.25	40.94	24.80
$\frac{\Gamma}{M}\%$	25.40	75.65	29.89	11.73
$\mu(\gamma)$	2.69	2.70	2.80	2.49
$\sigma(\gamma)$	0.46	0.46	0.40	0.50

TABLE S3. Distribution of participants, messages and threads among each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs) in a total time period of 0.32 years (from 2002-10-13T15:53:01 to 2003-02-08T17:56:24). N is the number of participants, M is the number of messages, Γ is the number of threads, and γ is the number of messages in a thread. The % denotes the usual 'per cent' with respecto to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 3

	g.	**p.**	**i.**	**h.**
N	519	463	44	12
$N_{\%}$	100.00	89.21	8.48	2.31
M	855.00	496.00	90.00	262.00
$M_{\%}$	100.00	58.49	10.61	30.90
Γ	633.00	492.00	58.00	83.00
$\Gamma_{\%}$	100.00	77.73	9.16	13.11
$\frac{\Gamma}{M}\%$	74.04	99.19	64.44	31.68
$\mu(\gamma)$	2.14	2.00	2.74	2.54
$\sigma(\gamma)$	0.35	0.00	0.44	0.50

TABLE S4. Distribution of participants, messages and threads among each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs) in a total time period of 6.75 years (from 2002-04-14T09:08:39 to 2009-01-15T07:35:02). N is the number of participants, M is the number of messages, Γ is the number of threads, and γ is the number of messages in a thread. The % denotes the usual 'per cent' with respecto to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 6

	g.	**p.**	**i.**	**h.**
N	183	88	77	18
$N_{\%}$	100.00	48.09	42.08	9.84
M	1000.00	121.00	467.00	410.00
$M_{\%}$	100.00	12.12	46.79	41.08
Γ	221.00	45.00	105.00	71.00
$\Gamma_{\%}$	100.00	20.36	47.51	32.13
$\frac{\Gamma}{M}\%$	22.10	37.19	22.48	17.32
$\mu(\gamma)$	2.71	2.47	2.76	2.77
$\sigma(\gamma)$	0.46	0.50	0.43	0.42

TABLE S5. Distribution of participants, messages and threads among each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs) in a total time period of 0.15 years (from 2005-12-20T23:20:59 to 2006-02-12T17:52:27). N is the number of participants, M is the number of messages, Γ is the number of threads, and γ is the number of messages in a thread. The % denotes the usual 'per cent' with respecto to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 7

	g.	**p.**	**i.**	**h.**
N	160	99	52	9
$N_{\%}$	100.00	61.88	32.50	5.62
M	990.00	128.00	315.00	544.00
$M_{\%}$	100.00	12.97	31.91	55.12
Γ	201.00	74.00	59.00	68.00
$\Gamma_{\%}$	100.00	36.82	29.35	33.83
$\frac{\Gamma}{M}\%$	20.30	57.81	18.73	12.50
$\mu(\gamma)$	2.64	2.28	2.88	2.82
$\sigma(\gamma)$	0.48	0.45	0.32	0.38

TABLE S6. Distribution of participants, messages and threads among each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs) in a total time period of 0.87 years (from 2007-03-22T07:24:54 to 2008-02-01T11:32:39). N is the number of participants, M is the number of messages, Γ is the number of threads, and γ is the number of messages in a thread. The % denotes the usual 'per cent' with respecto to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 8

	g.	**p.**	**i.**	**h.**
N	349	266	76	7
$N_{\%}$	100.00	76.22	21.78	2.01
M	998.00	373.00	340.00	284.00
$M_{\%}$	100.00	37.41	34.10	28.49
Γ	549.00	337.00	207.00	5.00
$\Gamma_{\%}$	100.00	61.38	37.70	0.91
$\frac{\Gamma}{M}\%$	55.01	90.35	60.88	1.76
$\mu(\gamma)$	2.44	2.41	2.50	2.60
$\sigma(\gamma)$	0.50	0.49	0.50	0.49

TABLE S7. Distribution of participants, messages and threads among each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs) in a total time period of 0.28 years (from 2003-05-23T09:59:04 to 2003-09-04T06:05:30). N is the number of participants, M is the number of messages, Γ is the number of threads, and γ is the number of messages in a thread. The % denotes the usual 'per cent' with respecto to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 9

	g.	**p.**	**i.**	**h.**
N	216	123	83	10
$N_{\%}$	100.00	56.94	38.43	4.63
M	1000.00	171.00	484.00	345.00
$M_{\%}$	100.00	17.10	48.40	34.50
Γ	278.00	78.00	113.00	87.00
$\Gamma_{\%}$	100.00	28.06	40.65	31.29
$\frac{\Gamma}{M}\%$	27.80	45.61	23.35	25.22
$\mu(\gamma)$	2.52	2.50	2.51	2.54
$\sigma(\gamma)$	0.50	0.50	0.50	0.50

TABLE S8. Distribution of participants, messages and threads among each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs) in a total time period of 3.15 years (from 2008-01-01T01:24:27 to 2011-02-26T10:06:59). N is the number of participants, M is the number of messages, Γ is the number of threads, and γ is the number of messages in a thread. The % denotes the usual 'per cent' with respecto to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 10

	g.	**p.**	**i.**	**h.**
N	76	48	22	6
$N_{\%}$	100.00	63.16	28.95	7.89
M	1000.00	99.00	337.00	564.00
$M_{\%}$	100.00	9.90	33.70	56.40
Γ	278.00	60.00	177.00	41.00
$\Gamma_{\%}$	100.00	21.58	63.67	14.75
$\frac{\Gamma}{M}\%$	27.80	60.61	52.52	7.27
$\mu(\gamma)$	2.67	2.45	2.75	2.63
$\sigma(\gamma)$	0.47	0.50	0.43	0.48

TABLE S9. Distribution of participants, messages and threads among each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs) in a total time period of 0.25 years (from 2010-04-06T08:44:52 to 2010-07-05T17:37:22). N is the number of participants, M is the number of messages, Γ is the number of threads, and γ is the number of messages in a thread. The % denotes the usual 'per cent' with respecto to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 11

	g.	**p.**	**i.**	**h.**
N	255	148	99	8
$N_{\%}$	100.00	58.04	38.82	3.14
M	996.00	246.00	481.00	268.00
$M_{\%}$	100.00	24.72	48.34	26.93
Γ	528.00	214.00	203.00	111.00
$\Gamma_{\%}$	100.00	40.53	38.45	21.02
$\frac{\Gamma}{M}\%$	53.01	86.99	42.20	41.42
$\mu(\gamma)$	2.33	2.26	2.50	2.18
$\sigma(\gamma)$	0.47	0.44	0.50	0.38

TABLE S10. Distribution of participants, messages and threads among each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs) in a total time period of 6.66 years (from 2002-12-20T18:09:19 to 2009-08-19T13:42:26). N is the number of participants, M is the number of messages, Γ is the number of threads, and γ is the number of messages in a thread. The % denotes the usual 'per cent' with respecto to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 12

	g.	**p.**	**i.**	**h.**
N	410	376	23	11
$N_{\%}$	100.00	91.71	5.61	2.68
M	989.00	402.00	68.00	490.00
$M_{\%}$	100.00	41.88	7.08	51.04
Γ	534.00	387.00	22.00	125.00
$\Gamma_{\%}$	100.00	72.47	4.12	23.41
$\frac{\Gamma}{M}\%$	53.99	96.27	32.35	25.51
$\mu(\gamma)$	2.19	2.00	2.95	2.64
$\sigma(\gamma)$	0.39	0.00	0.21	0.48

TABLE S11. Distribution of participants, messages and threads among each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs) in a total time period of 1.28 years (from 2009-02-04T19:58:09 to 2010-05-20T16:40:06). N is the number of participants, M is the number of messages, Γ is the number of threads, and γ is the number of messages in a thread. The % denotes the usual 'per cent' with respecto to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 13

	g.	**p.**	**i.**	**h.**
N	332	134	189	9
$N_{\%}$	100.00	40.36	56.93	2.71
M	995.00	190.00	639.00	166.00
$M_{\%}$	100.00	19.10	64.22	16.68
Γ	603.00	187.00	397.00	19.00
$\Gamma_{\%}$	100.00	31.01	65.84	3.15
$\frac{\Gamma}{M}\%$	60.60	98.42	62.13	11.45
$\mu(\gamma)$	2.31	2.01	2.44	2.47
$\sigma(\gamma)$	0.46	0.10	0.50	0.50

TABLE S12. Distribution of participants, messages and threads among each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs) in a total time period of 0.67 years (from 2002-06-10T14:56:02 to 2003-02-12T08:39:55). N is the number of participants, M is the number of messages, Γ is the number of threads, and γ is the number of messages in a thread. The % denotes the usual 'per cent' with respecto to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 15

	g.	**p.**	**i.**	**h.**
N	252	120	117	15
$N_{\%}$	100.00	47.62	46.43	5.95
M	979.00	142.00	381.00	447.00
$M_{\%}$	100.00	14.64	39.28	46.08
Γ	353.00	125.00	148.00	80.00
$\Gamma_{\%}$	100.00	35.41	41.93	22.66
$\frac{\Gamma}{M}\%$	36.06	88.03	38.85	17.90
$\mu(\gamma)$	2.30	2.02	2.50	2.38
$\sigma(\gamma)$	0.46	0.15	0.50	0.48

TABLE S13. Distribution of participants, messages and threads among each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs) in a total time period of 0.64 years (from 2002-03-25T16:00:40 to 2002-11-14T13:43:36). N is the number of participants, M is the number of messages, Γ is the number of threads, and γ is the number of messages in a thread. The % denotes the usual 'per cent' with respecto to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 16

	g.	**p.**	**i.**	**h.**
N	125	63	43	19
$N_{\%}$	100.00	50.40	34.40	15.20
M	1000.00	109.00	318.00	573.00
$M_{\%}$	100.00	10.90	31.80	57.30
Γ	150.00	42.00	53.00	55.00
$\Gamma_{\%}$	100.00	28.00	35.33	36.67
$\frac{\Gamma}{M}\%$	15.00	38.53	16.67	9.60
$\mu(\gamma)$	2.80	2.76	2.81	2.82
$\sigma(\gamma)$	0.40	0.43	0.39	0.39

TABLE S14. Distribution of participants, messages and threads among each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs) in a total time period of 0.16 years (from 2012-01-16T07:36:37 to 2012-03-16T14:32:02). N is the number of participants, M is the number of messages, Γ is the number of threads, and γ is the number of messages in a thread. The % denotes the usual 'per cent' with respecto to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 17

	g.	**p.**	**i.**	**h.**
N	111	77	27	7
$N_{\%}$	100.00	69.37	24.32	6.31
M	996.00	91.00	259.00	646.00
$M_{\%}$	100.00	9.14	26.00	64.86
Γ	294.00	62.00	49.00	183.00
$\Gamma_{\%}$	100.00	21.09	16.67	62.24
$\frac{\Gamma}{M}\%$	29.52	68.13	18.92	28.33
$\mu(\gamma)$	2.55	2.29	2.73	2.59
$\sigma(\gamma)$	0.50	0.45	0.44	0.49

TABLE S15. Distribution of participants, messages and threads among each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs) in a total time period of 0.76 years (from 2002-12-10T17:07:26 to 2003-09-13T16:27:43). N is the number of participants, M is the number of messages, Γ is the number of threads, and γ is the number of messages in a thread. The % denotes the usual 'per cent' with respecto to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 18

	g.	**p.**	**i.**	**h.**
N	127	69	44	14
$N_{\%}$	100.00	54.33	34.65	11.02
M	999.00	119.00	299.00	581.00
$M_{\%}$	100.00	11.91	29.93	58.16
Γ	319.00	70.00	106.00	143.00
$\Gamma_{\%}$	100.00	21.94	33.23	44.83
$\frac{\Gamma}{M}\%$	31.93	58.82	35.45	24.61
$\mu(\gamma)$	2.51	2.40	2.60	2.49
$\sigma(\gamma)$	0.50	0.49	0.49	0.50

TABLE S16. Distribution of participants, messages and threads among each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs) in a total time period of 1.10 years (from 2004-05-12T23:56:58 to 2005-06-17T10:35:50). N is the number of participants, M is the number of messages, Γ is the number of threads, and γ is the number of messages in a thread. The % denotes the usual 'per cent' with respecto to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 19

2. Snapshots of 2000 messages

	g.	**p.**	**i.**	**h.**
N	149	81	58	10
$N_{\%}$	100.00	54.36	38.93	6.71
M	2000.00	186.00	822.00	992.00
$M_{\%}$	100.00	9.30	41.10	49.60
Γ	347.00	70.00	212.00	65.00
$\Gamma_{\%}$	100.00	20.17	61.10	18.73
$\frac{\Gamma}{M}\%$	17.35	37.63	25.79	6.55
$\mu(\gamma)$	2.76	2.56	2.80	2.88
$\sigma(\gamma)$	0.42	0.50	0.40	0.33

TABLE S17. Distribution of participants, messages and threads among each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs) in a total time period of 0.30 years (from 2003-08-15T10:13:24 to 2003-12-04T16:56:33). N is the number of participants, M is the number of messages, Γ is the number of threads, and γ is the number of messages in a thread. The % denotes the usual 'per cent' with respecto to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 0

	g.	**p.**	**i.**	**h.**
N	308	169	118	21
$N_{\%}$	100.00	54.87	38.31	6.82
M	1999.00	277.00	956.00	745.00
$M_{\%}$	100.00	14.00	48.33	37.66
Γ	590.00	126.00	311.00	153.00
$\Gamma_{\%}$	100.00	21.36	52.71	25.93
$\frac{\Gamma}{M}\%$	29.51	45.49	32.53	20.54
$\mu(\gamma)$	2.63	2.48	2.68	2.67
$\sigma(\gamma)$	0.48	0.50	0.47	0.47

TABLE S18. Distribution of participants, messages and threads among each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs) in a total time period of 0.30 years (from 2002-05-13T10:09:50 to 2002-08-30T12:40:52). N is the number of participants, M is the number of messages, Γ is the number of threads, and γ is the number of messages in a thread. The % denotes the usual 'per cent' with respecto to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 2

	g.	**p.**	**i.**	**h.**
N	180	122	52	6
$N_{\%}$	100.00	67.78	28.89	3.33
M	2000.00	274.00	636.00	1090.00
$M_{\%}$	100.00	13.70	31.80	54.50
Γ	446.00	143.00	157.00	146.00
$\Gamma_{\%}$	100.00	32.06	35.20	32.74
$\frac{\Gamma}{M}\%$	22.30	52.19	24.69	13.39
$\mu(\gamma)$	2.73	2.77	2.84	2.58
$\sigma(\gamma)$	0.44	0.42	0.37	0.49

TABLE S19. Distribution of participants, messages and threads among each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs) in a total time period of 1.03 years (from 2003-02-06T18:25:24 to 2004-02-18T17:36:33). N is the number of participants, M is the number of messages, Γ is the number of threads, and γ is the number of messages in a thread. The % denotes the usual 'per cent' with respecto to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 3

	g.	**p.**	**i.**	**h.**
N	201	98	86	17
$N_{\%}$	100.00	48.76	42.79	8.46
M	1274.00	151.00	607.00	514.00
$M_{\%}$	100.00	11.87	47.72	40.41
Γ	256.00	56.00	145.00	55.00
$\Gamma_{\%}$	100.00	21.88	56.64	21.48
$\frac{\Gamma}{M}\%$	20.09	37.09	23.89	10.70
$\mu(\gamma)$	2.73	2.52	2.77	2.85
$\sigma(\gamma)$	0.44	0.50	0.42	0.35

TABLE S20. Distribution of participants, messages and threads among each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs) in a total time period of 0.21 years (from 2006-02-12T10:01:44 to 2006-05-01T19:06:29). N is the number of participants, M is the number of messages, Γ is the number of threads, and γ is the number of messages in a thread. The % denotes the usual 'per cent' with respecto to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 7

	g.	**p.**	**i.**	**h.**
N	172	110	40	22
$N_{\%}$	100.00	63.95	23.26	12.79
M	885.00	145.00	236.00	503.00
$M_{\%}$	100.00	16.40	26.70	56.90
Γ	169.00	65.00	47.00	57.00
$\Gamma_{\%}$	100.00	38.46	27.81	33.73
$\frac{\Gamma}{M}\%$	19.10	44.83	19.92	11.33
$\mu(\gamma)$	2.63	2.37	2.79	2.79
$\sigma(\gamma)$	0.48	0.48	0.41	0.41

TABLE S21. Distribution of participants, messages and threads among each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs) in a total time period of 1.10 years (from 2008-01-31T19:50:42 to 2009-03-09T10:23:23). N is the number of participants, M is the number of messages, Γ is the number of threads, and γ is the number of messages in a thread. The % denotes the usual 'per cent' with respecto to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 8

	g.	**p.**	**i.**	**h.**
N	149	80	61	8
$N_{\%}$	100.00	53.69	40.94	5.37
M	776.00	103.00	316.00	357.00
$M_{\%}$	100.00	13.27	40.72	46.01
Γ	274.00	47.00	81.00	146.00
$\Gamma_{\%}$	100.00	17.15	29.56	53.28
$\frac{\Gamma}{M}\%$	35.31	45.63	25.63	40.90
$\mu(\gamma)$	2.30	2.21	2.48	2.23
$\sigma(\gamma)$	0.46	0.41	0.50	0.42

TABLE S22. Distribution of participants, messages and threads among each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs) in a total time period of -3.24 years (from 2011-02-18T01:46:10 to 2007-11-21T02:36:40). N is the number of participants, M is the number of messages, Γ is the number of threads, and γ is the number of messages in a thread. The % denotes the usual 'per cent' with respecto to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 10

	g.	**p.**	**i.**	**h.**
N	68	42	20	6
$N_{\%}$	100.00	61.76	29.41	8.82
M	642.00	79.00	265.00	298.00
$M_{\%}$	100.00	12.31	41.28	46.42
Γ	148.00	39.00	100.00	9.00
$\Gamma_{\%}$	100.00	26.35	67.57	6.08
$\frac{\Gamma}{M}\%$	23.05	49.37	37.74	3.02
$\mu(\gamma)$	2.61	2.41	2.69	2.56
$\sigma(\gamma)$	0.49	0.49	0.46	0.50

TABLE S23. Distribution of participants, messages and threads among each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs) in a total time period of 0.16 years (from 2010-07-06T01:04:23 to 2010-09-03T07:05:19). N is the number of participants, M is the number of messages, Γ is the number of threads, and γ is the number of messages in a thread. The % denotes the usual 'per cent' with respecto to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 11

	g.	**p.**	**i.**	**h.**
N	210	80	120	10
$N_{\%}$	100.00	38.10	57.14	4.76
M	490.00	111.00	284.00	95.00
$M_{\%}$	100.00	22.65	57.96	19.39
Γ	294.00	107.00	171.00	16.00
$\Gamma_{\%}$	100.00	36.39	58.16	5.44
$\frac{\Gamma}{M}\%$	60.00	96.40	60.21	16.84
$\mu(\gamma)$	2.31	2.00	2.47	2.62
$\sigma(\gamma)$	0.46	0.00	0.50	0.48

TABLE S24. Distribution of participants, messages and threads among each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs) in a total time period of 0.24 years (from 2003-02-12T14:21:31 to 2003-05-09T11:06:41). N is the number of participants, M is the number of messages, Γ is the number of threads, and γ is the number of messages in a thread. The % denotes the usual 'per cent' with respecto to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 15

B. Characters

1. Snapshots of 1000 messages

	g.	p.	i.	h.
$chars$	553435	68986	179933	304516
$chars_{\%}$	100.00	12.47	32.51	55.02
$\frac{spaces}{chars}$	15.60	15.25	15.70	15.61
$\frac{punct}{chars-spaces}$	6.74	6.51	6.33	7.03
$\frac{digits}{chars-spaces}$	1.48	1.89	1.56	1.34
$\frac{letters}{chars-spaces}$	89.92	89.66	90.23	89.80
$\frac{vogals}{letters}$	36.15	35.87	36.01	36.30
$\frac{uppercase}{letters}$	5.34	5.92	5.70	4.99

TABLE S25. Characters in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 0

	g.	p.	i.	h.
$chars$	516456	86876	164545	265035
$chars_{\%}$	100.00	16.82	31.86	51.32
$\frac{spaces}{chars}$	13.36	12.80	13.32	13.57
$\frac{punct}{chars-spaces}$	9.10	9.87	8.45	9.25
$\frac{digits}{chars-spaces}$	2.37	3.59	1.54	2.48
$\frac{letters}{chars-spaces}$	86.53	83.66	88.22	86.43
$\frac{vogals}{letters}$	35.08	33.79	35.55	35.19
$\frac{uppercase}{letters}$	7.12	9.43	6.63	6.68

TABLE S26. Characters in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 2

	g.	p.	i.	h.
$chars$	779504	92973	392241	294290
$chars_{\%}$	100.00	11.93	50.32	37.75
$\frac{spaces}{chars}$	16.04	14.72	16.51	15.84
$\frac{punct}{chars-spaces}$	7.55	7.92	7.72	7.20
$\frac{digits}{chars-spaces}$	2.72	2.85	3.54	1.61
$\frac{letters}{chars-spaces}$	87.71	87.17	86.76	89.14
$\frac{vogals}{letters}$	35.97	35.79	35.75	36.31
$\frac{uppercase}{letters}$	7.81	8.31	8.28	7.06

TABLE S27. Characters in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 3

	g.	p.	i.	h.
$chars$	961793	697786	100398	163609
$chars_{\%}$	100.00	72.55	10.44	17.01
$\frac{spaces}{chars}$	15.27	14.88	14.78	17.20
$\frac{punct}{chars-spaces}$	11.18	11.62	13.59	7.69
$\frac{digits}{chars-spaces}$	4.36	4.55	3.10	4.33
$\frac{letters}{chars-spaces}$	81.88	81.11	81.13	85.74
$\frac{vogals}{letters}$	32.97	32.45	32.60	35.35
$\frac{uppercase}{letters}$	8.51	8.84	8.79	6.97

TABLE S28. Characters in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 6

	g.	p.	i.	h.
$chars$	439032	65184	206313	167535
$chars_{\%}$	100.00	14.85	46.99	38.16
$\frac{spaces}{chars}$	14.97	14.05	15.18	15.07
$\frac{punct}{chars-spaces}$	8.16	8.30	8.30	7.94
$\frac{digits}{chars-spaces}$	4.50	6.32	4.77	3.44
$\frac{letters}{chars-spaces}$	85.37	83.42	84.94	86.67
$\frac{vogals}{letters}$	31.41	30.47	30.72	32.60
$\frac{uppercase}{letters}$	9.72	9.72	9.80	9.62

TABLE S29. Characters in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 7

	g.	p.	i.	h.
$chars$	572130	142137	143038	286955
$chars_{\%}$	100.00	24.84	25.00	50.16
$\frac{spaces}{chars}$	16.17	13.98	16.93	16.88
$\frac{punct}{chars-spaces}$	8.76	11.92	6.50	8.26
$\frac{digits}{chars-spaces}$	3.68	4.13	5.57	2.51
$\frac{letters}{chars-spaces}$	85.69	82.32	85.97	87.27
$\frac{vogals}{letters}$	34.45	30.60	35.36	35.86
$\frac{uppercase}{letters}$	8.02	18.81	4.19	4.69

TABLE S30. Characters in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 8

	g.	p.	i.	h.
$chars$	725760	264396	274737	186627
$chars_{\%}$	100.00	36.43	37.86	25.71
$\frac{spaces}{chars}$	17.14	17.36	16.94	17.13
$\frac{punct}{chars-spaces}$	6.51	7.19	6.71	5.27
$\frac{digits}{chars-spaces}$	4.11	5.77	4.36	1.38
$\frac{letters}{chars-spaces}$	87.32	84.94	86.95	91.23
$\frac{vogals}{letters}$	35.68	35.42	35.61	36.14
$\frac{uppercase}{letters}$	6.38	7.30	6.56	4.94

TABLE S31. Characters in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 9

	g.	p.	i.	h.
$chars$	623572	105938	358477	159157
$chars_{\%}$	100.00	16.99	57.49	25.52
$\frac{spaces}{chars}$	15.22	14.32	15.60	14.94
$\frac{punct}{chars-spaces}$	5.91	6.26	5.70	6.13
$\frac{digits}{chars-spaces}$	1.57	1.61	1.67	1.30
$\frac{letters}{chars-spaces}$	90.61	90.12	90.76	90.60
$\frac{vogals}{letters}$	37.71	37.52	37.72	37.82
$\frac{uppercase}{letters}$	4.06	4.23	3.90	4.31

TABLE S32. Characters in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 10

	g.	p.	i.	h.
$chars$	1541843	94451	852580	594812
$chars_{\%}$	100.00	6.13	55.30	38.58
$\frac{spaces}{chars}$	16.56	16.49	16.91	16.07
$\frac{punct}{chars-spaces}$	4.05	4.68	4.49	3.31
$\frac{digits}{chars-spaces}$	1.09	1.47	1.34	0.69
$\frac{letters}{chars-spaces}$	92.63	91.54	91.76	94.03
$\frac{vogals}{letters}$	37.20	36.91	37.05	37.45
$\frac{uppercase}{letters}$	4.70	4.97	5.45	3.62

TABLE S33. Characters in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 11

	g.	p.	i.	h.
$chars$	1087364	224263	566893	296208
$chars_{\%}$	100.00	20.62	52.13	27.24
$\frac{spaces}{chars}$	17.86	14.03	19.22	18.16
$\frac{punct}{chars-spaces}$	7.83	8.12	8.17	6.94
$\frac{digits}{chars-spaces}$	2.49	2.63	2.12	3.07
$\frac{letters}{chars-spaces}$	87.42	86.98	87.42	87.78
$\frac{vogals}{letters}$	35.97	35.97	36.15	35.64
$\frac{uppercase}{letters}$	6.66	6.70	6.35	7.20

TABLE S34. Characters in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 12

	g.	p.	i.	h.
$chars$	1130382	713909	47644	368829
$chars_{\%}$	100.00	63.16	4.21	32.63
$\frac{spaces}{chars}$	20.70	22.99	15.37	16.97
$\frac{punct}{chars-spaces}$	7.29	7.37	12.35	6.47
$\frac{digits}{chars-spaces}$	5.79	7.90	4.97	2.10
$\frac{letters}{chars-spaces}$	82.99	79.59	80.56	89.41
$\frac{vogals}{letters}$	32.09	29.59	34.41	35.82
$\frac{uppercase}{letters}$	7.95	10.35	5.18	4.44

TABLE S35. Characters in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 13

	g.	p.	i.	h.
$chars$	900140	250570	548772	100798
$chars_{\%}$	100.00	27.84	60.97	11.20
$\frac{spaces}{chars}$	18.22	16.45	18.60	20.59
$\frac{punct}{chars-spaces}$	6.12	6.38	6.15	5.22
$\frac{digits}{chars-spaces}$	4.17	3.34	4.60	3.92
$\frac{letters}{chars-spaces}$	87.46	87.84	87.02	88.89
$\frac{vogals}{letters}$	35.08	33.43	35.58	36.65
$\frac{uppercase}{letters}$	8.68	13.67	7.01	4.94

TABLE S36. Characters in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 15

	g.	p.	i.	h.
$chars$	971223	302606	349078	319539
$chars_{\%}$	100.00	31.16	35.94	32.90
$\frac{spaces}{chars}$	15.04	12.84	16.99	15.00
$\frac{punct}{chars-spaces}$	11.70	15.58	10.68	9.03
$\frac{digits}{chars-spaces}$	3.48	5.50	2.56	2.51
$\frac{letters}{chars-spaces}$	82.66	76.87	84.64	86.18
$\frac{vogals}{letters}$	33.79	31.85	34.02	35.23
$\frac{uppercase}{letters}$	8.00	11.04	6.67	6.77

TABLE S37. Characters in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 16

	g.	p.	i.	h.
$chars$	630149	70362	246202	313585
$chars_{\%}$	100.00	11.17	39.07	49.76
$\frac{spaces}{chars}$	14.32	13.65	14.12	14.62
$\frac{punct}{chars-spaces}$	9.88	9.18	9.71	10.18
$\frac{digits}{chars-spaces}$	5.91	5.66	6.89	5.20
$\frac{letters}{chars-spaces}$	82.33	83.46	81.58	82.68
$\frac{vogals}{letters}$	34.56	34.58	34.13	34.89
$\frac{uppercase}{letters}$	7.86	8.33	8.36	7.37

TABLE S38. Characters in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 17

	g.	p.	i.	h.
$chars$	922859	99269	226361	597229
$chars_{\%}$	100.00	10.76	24.53	64.72
$\frac{spaces}{chars}$	17.04	13.67	18.51	17.04
$\frac{punct}{chars-spaces}$	6.76	13.59	6.65	5.62
$\frac{digits}{chars-spaces}$	2.36	3.79	3.96	1.52
$\frac{letters}{chars-spaces}$	88.56	78.20	87.15	90.88
$\frac{vogals}{letters}$	36.04	33.40	35.91	36.49
$\frac{uppercase}{letters}$	6.13	8.48	6.69	5.58

TABLE S39. Characters in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 18

	g.	**p.**	**i.**	**h.**
$chars$	514624	89224	112807	312593
$chars_{\%}$	100.00	17.34	21.92	60.74
$\frac{spaces}{chars}$	16.58	14.99	16.15	17.19
$\frac{punct}{chars-spaces}$	6.41	12.34	6.81	4.53
$\frac{digits}{chars-spaces}$	1.16	2.14	1.30	0.82
$\frac{letters}{chars-spaces}$	90.45	83.38	89.92	92.71
$\frac{vogals}{letters}$	35.55	32.93	35.03	36.43
$\frac{uppercase}{letters}$	5.95	8.15	6.18	5.28

TABLE S40. Characters in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 19

2. Snapshots of 2000 messages

	g.	p.	i.	h.
$chars$	1146214	114115	497484	534615
$chars_{\%}$	100.00	9.96	43.40	46.64
$\frac{spaces}{chars}$	16.04	15.37	16.71	15.56
$\frac{punct}{chars-spaces}$	6.90	8.24	7.04	6.47
$\frac{digits}{chars-spaces}$	1.07	1.20	1.06	1.06
$\frac{letters}{chars-spaces}$	90.17	88.42	90.02	90.67
$\frac{vogals}{letters}$	36.50	35.91	36.49	36.64
$\frac{uppercase}{letters}$	4.90	6.89	4.86	4.52

TABLE S41. Characters in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 0

	g.	p.	i.	h.
$chars$	1088548	144189	547262	397097
$chars_{\%}$	100.00	13.25	50.27	36.48
$\frac{spaces}{chars}$	13.70	13.54	13.66	13.80
$\frac{punct}{chars-spaces}$	9.26	9.61	8.86	9.68
$\frac{digits}{chars-spaces}$	2.96	2.11	2.92	3.33
$\frac{letters}{chars-spaces}$	85.86	86.24	86.26	85.16
$\frac{vogals}{letters}$	35.45	35.14	35.53	35.45
$\frac{uppercase}{letters}$	7.09	8.03	6.94	6.95

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

	g.	p.	i.	h.
$chars$	1315736	212215	488036	615485
$chars_{\%}$	100.00	16.13	37.09	46.78
$\frac{spaces}{chars}$	15.04	15.59	14.95	14.93
$\frac{punct}{chars-spaces}$	7.52	7.33	7.71	7.43
$\frac{digits}{chars-spaces}$	2.62	2.61	3.39	2.00
$\frac{letters}{chars-spaces}$	87.60	88.09	86.97	87.94
$\frac{vogals}{letters}$	35.92	36.12	35.79	35.95
$\frac{uppercase}{letters}$	8.11	7.91	8.27	8.05

TABLE S43. Characters in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 3

	g.	p.	i.	h.
$chars$	656548	106449	279581	270518
$chars_{\%}$	100.00	16.21	42.58	41.20
$\frac{spaces}{chars}$	15.20	14.80	15.07	15.48
$\frac{punct}{chars-spaces}$	7.11	5.85	7.30	7.40
$\frac{digits}{chars-spaces}$	3.66	2.30	3.40	4.46
$\frac{letters}{chars-spaces}$	87.26	89.89	87.29	86.19
$\frac{vogals}{letters}$	32.40	33.48	31.39	33.03
$\frac{uppercase}{letters}$	8.00	7.60	7.33	8.88

TABLE S44. Characters in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 7

	g.	p.	i.	h.
$chars$	421928	88544	108566	224818
$chars_{\%}$	100.00	20.99	25.73	53.28
$\frac{spaces}{chars}$	15.91	15.30	15.97	16.12
$\frac{punct}{chars-spaces}$	7.00	7.02	6.99	7.00
$\frac{digits}{chars-spaces}$	3.21	4.95	2.88	2.68
$\frac{letters}{chars-spaces}$	87.89	86.19	88.25	88.40
$\frac{vogals}{letters}$	35.40	35.00	35.17	35.67
$\frac{uppercase}{letters}$	5.46	6.61	5.72	4.88

TABLE S45. Characters in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 8

	g.	p.	i.	h.
$chars$	969730	488982	199190	281558
$chars_{\%}$	100.00	50.42	20.54	29.03
$\frac{spaces}{chars}$	13.64	12.22	15.06	15.11
$\frac{punct}{chars-spaces}$	10.36	15.13	5.32	5.37
$\frac{digits}{chars-spaces}$	2.88	4.80	1.17	0.64
$\frac{letters}{chars-spaces}$	85.43	79.38	91.58	91.94
$\frac{vogals}{letters}$	32.43	25.66	38.24	38.81
$\frac{uppercase}{letters}$	11.48	19.99	3.61	3.84

TABLE S46. Characters in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 10

	g.	p.	i.	h.
$chars$	935187	72511	468195	394481
$chars_{\%}$	100.00	7.75	50.06	42.18
$\frac{spaces}{chars}$	16.18	16.15	16.53	15.76
$\frac{punct}{chars-spaces}$	4.78	4.83	4.74	4.82
$\frac{digits}{chars-spaces}$	1.16	1.06	1.15	1.19
$\frac{letters}{chars-spaces}$	91.79	91.77	91.84	91.74
$\frac{vogals}{letters}$	36.86	36.82	36.84	36.89
$\frac{uppercase}{letters}$	5.29	5.28	5.41	5.15

TABLE S47. Characters in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 11

	g.	**p.**	**i.**	**h.**
$chars$	548406	167975	298740	81691
$chars_{\%}$	100.00	30.63	54.47	14.90
$\frac{spaces}{chars}$	18.18	19.47	17.35	18.52
$\frac{punct}{chars-spaces}$	5.87	5.21	6.21	5.96
$\frac{digits}{chars-spaces}$	4.26	4.50	4.32	3.53
$\frac{letters}{chars-spaces}$	87.63	87.95	87.26	88.34
$\frac{vogals}{letters}$	35.88	36.14	35.65	36.20
$\frac{uppercase}{letters}$	6.86	7.57	6.84	5.52

TABLE S48. Characters in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 15

C. Tokens and words

1. Snapshots of 1000 messages

	g.	p.	i.	h.
$tokens$	120404	14757	39272	66375
$tokens_{\%}$	100.00	12.26	32.62	55.13
$tokens \neq$	6.90	16.20	11.08	8.83
$\frac{knownw}{tokens}$	35.20	33.38	35.61	35.36
$\frac{knownw\neq}{knownw}$	10.01	28.89	17.45	13.89
$\frac{stopw}{knownw}$	100.08	99.25	98.14	101.40
$\frac{punct}{tokens}$	20.61	21.47	20.16	20.68
$\frac{contrac}{tokens}$	1.13	0.65	1.07	1.26
$\mu(\overline{tokens})$	3.81	3.89	3.79	3.80
$\sigma(\overline{tokens})$	2.86	3.13	2.87	2.79
$\mu(\overline{knownw})$	5.70	5.79	5.63	5.72
$\sigma(\overline{knownw})$	2.27	2.28	2.22	2.29
$\mu(\overline{knownw \neq})$	6.82	6.38	6.56	6.76
$\sigma(\overline{knownw \neq})$	2.57	2.41	2.46	2.52
$\mu(\overline{stopw})$	2.75	2.67	2.70	2.80
$\sigma(\overline{stopw})$	1.11	1.10	1.12	1.12

TABLE S49. Token sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 0

	g.	p.	i.	h.
$tokens$	112920	20292	35087	57542
$tokens_{\%}$	100.00	17.97	31.07	50.96
$tokens \neq$	12.70	21.66	18.02	15.07
$\frac{knownw}{tokens}$	24.46	24.37	25.07	24.11
$\frac{knownw\neq}{knownw}$	7.22	15.55	10.01	10.01
$\frac{stopw}{knownw}$	34.72	29.70	33.41	37.33
$\frac{punct}{tokens}$	29.31	29.50	28.44	29.77
$\frac{contrac}{tokens}$	0.07	0.08	0.03	0.09
$\mu(\overline{tokens})$	3.89	3.66	3.99	3.91
$\sigma(\overline{tokens})$	3.04	2.97	3.05	3.06
$\mu(\overline{knownw})$	4.23	4.16	4.16	4.30
$\sigma(\overline{knownw})$	2.19	2.20	2.15	2.22
$\mu(\overline{knownw \neq})$	5.62	5.14	5.13	5.52
$\sigma(\overline{knownw \neq})$	2.45	2.44	2.38	2.43
$\mu(\overline{stopw})$	2.13	2.10	2.07	2.18
$\sigma(\overline{stopw})$	0.96	0.98	0.92	0.98

TABLE S50. Token sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 2

	g.	p.	i.	h.
$tokens$	174203	21314	87883	65006
$tokens_{\%}$	100.00	12.24	50.45	37.32
$tokens \neq$	4.99	13.42	6.97	7.45
$\frac{knownw}{tokens}$	34.80	34.91	32.79	37.50
$\frac{knownw\neq}{knownw}$	7.66	22.59	11.65	12.04
$\frac{stopw}{knownw}$	83.48	77.46	82.69	86.24
$\frac{punct}{tokens}$	24.07	24.76	25.82	21.46
$\frac{contrac}{tokens}$	0.94	0.95	0.90	1.00
$\mu(\overline{tokens})$	3.68	3.64	3.65	3.73
$\sigma(\overline{tokens})$	2.97	2.97	3.12	2.74
$\mu(\overline{knownw})$	5.49	5.51	5.44	5.54
$\sigma(\overline{knownw})$	2.45	2.45	2.40	2.52
$\mu(\overline{knownw \neq})$	6.94	6.51	6.72	6.84
$\sigma(\overline{knownw \neq})$	2.55	2.50	2.46	2.55
$\mu(\overline{stopw})$	2.75	2.66	2.73	2.80
$\sigma(\overline{stopw})$	1.10	1.09	1.10	1.10

TABLE S51. Token sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 3

	g.	p.	i.	h.
$tokens$	229938	169408	24494	36037
$tokens_{\%}$	100.00	73.68	10.65	15.67
$tokens \neq$	8.28	9.79	10.74	9.64
$\frac{knownw}{tokens}$	32.84	33.23	29.87	33.05
$\frac{knownw\neq}{knownw}$	12.10	14.81	17.10	16.42
$\frac{stopw}{knowpw}$	62.20	57.65	57.63	86.49
$\frac{punct}{tokens}$	27.73	27.62	35.00	23.31
$\frac{contrac}{tokens}$	0.39	0.25	0.42	1.04
$\mu(\overline{tokens})$	3.49	3.46	3.42	3.68
$\sigma(\overline{tokens})$	2.69	2.60	3.15	2.76
$\mu(\overline{knownw})$	5.30	5.27	5.11	5.55
$\sigma(\overline{knownw})$	2.33	2.25	2.62	2.53
$\mu(\overline{knownw \neq})$	6.74	6.68	6.28	6.60
$\sigma(\overline{knownw \neq})$	2.41	2.38	2.51	2.46
$\mu(\overline{stopw})$	2.75	2.77	2.57	2.76
$\sigma(\overline{stopw})$	1.13	1.13	1.13	1.12

TABLE S52. Token sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 6

	g.	p.	i.	h.
$tokens$	91013	14019	42963	34033
$tokens_{\%}$	100.00	15.40	47.20	37.39
$tokens \neq$	16.17	27.26	19.92	19.98
$\frac{knownw}{tokens}$	17.96	18.32	17.71	18.12
$\frac{knownw\neq}{knownw}$	10.98	29.01	14.84	15.37
$\frac{stopw}{knownw}$	36.02	33.61	34.77	38.55
$\frac{punct}{tokens}$	29.38	29.87	29.54	28.97
$\frac{contrac}{tokens}$	0.03	0.06	0.04	0.00
$\mu(\overline{tokens})$	4.02	3.92	3.99	4.10
$\sigma(\overline{tokens})$	3.62	3.54	3.61	3.68
$\mu(\overline{knownw})$	3.93	4.28	3.89	3.82
$\sigma(\overline{knownw})$	2.13	2.33	2.10	2.07
$\mu(\overline{knownw \neq})$	5.51	5.17	5.23	5.16
$\sigma(\overline{knownw \neq})$	2.46	2.37	2.41	2.44
$\mu(\overline{stopw})$	1.66	1.71	1.60	1.70
$\sigma(\overline{stopw})$	0.97	0.96	0.97	0.97

TABLE S53. Token sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 7

	g.	p.	i.	h.
$tokens$	131584	33588	30532	67464
$tokens_{\%}$	100.00	25.53	23.20	51.27
$tokens \neq$	8.02	13.94	15.77	8.03
$\frac{knownw}{tokens}$	33.86	34.18	33.71	33.78
$\frac{knownw\neq}{knownw}$	10.82	19.24	24.01	13.78
$\frac{stopw}{knownw}$	83.38	44.60	96.17	97.14
$\frac{punct}{tokens}$	24.84	31.17	19.20	24.24
$\frac{contrac}{tokens}$	1.28	0.26	1.31	1.77
$\mu(\overline{tokens})$	3.58	3.58	3.82	3.47
$\sigma(\overline{tokens})$	2.68	2.78	2.87	2.53
$\mu(\overline{knownw})$	5.33	5.05	5.53	5.39
$\sigma(\overline{knownw})$	2.25	2.32	2.22	2.21
$\mu(\overline{knownw \neq})$	6.62	6.22	6.42	6.57
$\sigma(\overline{knownw \neq})$	2.50	2.47	2.43	2.42
$\mu(\overline{stopw})$	2.78	2.71	2.78	2.80
$\sigma(\overline{stopw})$	1.12	1.10	1.11	1.13

TABLE S54. Token sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 8

	g.	p.	i.	h.
$tokens$	162140	59655	61987	40499
$tokens_{\%}$	100.00	36.79	38.23	24.98
$tokens \neq$	6.20	10.38	9.53	9.10
$\frac{knownw}{tokens}$	34.97	34.08	34.98	36.28
$\frac{knownw\neq}{knownw}$	7.97	14.81	13.65	15.80
$\frac{stopw}{knownw}$	92.34	85.65	88.19	107.70
$\frac{punct}{tokens}$	20.25	20.82	21.43	17.61
$\frac{contrac}{tokens}$	1.06	0.65	0.78	2.08
$\mu(\overline{tokens})$	3.63	3.59	3.61	3.74
$\sigma(\overline{tokens})$	2.59	2.65	2.61	2.49
$\mu(\overline{knownw})$	5.74	5.73	5.68	5.86
$\sigma(\overline{knownw})$	2.36	2.42	2.35	2.29
$\mu(\overline{knownw \neq})$	6.76	6.57	6.59	6.70
$\sigma(\overline{knownw \neq})$	2.61	2.58	2.52	2.49
$\mu(\overline{stopw})$	2.73	2.69	2.71	2.81
$\sigma(\overline{stopw})$	1.09	1.08	1.11	1.07

TABLE S55. Token sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 9

	g.	p.	i.	h.
$tokens$	130341	21925	73977	34439
$tokens_{\%}$	100.00	16.82	56.76	26.42
$tokens \neq$	7.44	18.16	9.11	11.16
$\frac{knownw}{tokens}$	35.53	36.93	35.07	35.63
$\frac{knownw\neq}{knownw}$	9.89	26.21	12.94	18.54
$\frac{stopw}{knownw}$	92.09	77.93	94.71	95.88
$\frac{punct}{tokens}$	20.06	21.40	19.69	19.99
$\frac{contrac}{tokens}$	0.78	0.62	0.58	1.30
$\mu(\overline{tokens})$	3.98	4.06	4.01	3.86
$\sigma(\overline{tokens})$	2.98	3.05	3.04	2.78
$\mu(\overline{knownw})$	6.00	6.05	6.06	5.82
$\sigma(\overline{knownw})$	2.64	2.72	2.67	2.53
$\mu(\overline{knownw \neq})$	6.86	6.60	6.74	6.66
$\sigma(\overline{knownw \neq})$	2.62	2.59	2.59	2.55
$\mu(\overline{stopw})$	2.78	2.74	2.78	2.81
$\sigma(\overline{stopw})$	1.07	1.07	1.07	1.05

TABLE S56. Token sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 10

	g.	p.	i.	h.
$tokens$	323627	19432	182161	122035
$tokens_{\%}$	100.00	6.00	56.29	37.71
$tokens \neq$	4.80	19.90	5.99	7.54
$\frac{knownw}{tokens}$	38.64	38.45	38.34	39.13
$\frac{knownw\neq}{knownw}$	7.57	33.60	9.97	13.15
$\frac{stopw}{knownw}$	100.77	93.01	95.39	109.85
$\frac{punct}{tokens}$	14.55	17.36	15.48	12.70
$\frac{contrac}{tokens}$	0.51	0.66	0.34	0.74
$\mu(\overline{tokens})$	3.90	3.97	3.82	4.02
$\sigma(\overline{tokens})$	2.69	2.81	2.66	2.70
$\mu(\overline{knownw})$	6.04	6.12	5.92	6.21
$\sigma(\overline{knownw})$	2.54	2.62	2.53	2.52
$\mu(\overline{knownw \neq})$	7.35	6.94	7.20	7.27
$\sigma(\overline{knownw \neq})$	2.68	2.64	2.67	2.63
$\mu(\overline{stopw})$	2.79	2.79	2.76	2.83
$\sigma(\overline{stopw})$	1.08	1.07	1.07	1.10

TABLE S57. Token sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 11

	g.	p.	i.	h.
$tokens$	222661	135704	10228	76730
$tokens_{\%}$	100.00	60.95	4.59	34.46
$tokens \neq$	19.97	28.74	20.24	8.65
$\frac{knownw}{tokens}$	27.19	21.83	29.95	36.31
$\frac{knownw\neq}{knownw}$	11.42	14.56	34.87	13.63
$\frac{stopw}{knownw}$	79.03	57.15	82.89	101.87
$\frac{punct}{tokens}$	20.58	21.27	27.82	18.39
$\frac{contrac}{tokens}$	0.62	0.10	0.67	1.53
$\mu(\overline{tokens})$	3.97	4.01	3.86	3.91
$\sigma(\overline{tokens})$	3.62	3.95	3.81	2.92
$\mu(\overline{knownw})$	5.12	4.62	5.29	5.64
$\sigma(\overline{knownw})$	2.48	2.49	2.54	2.33
$\mu(\overline{knownw \neq})$	6.62	6.07	6.26	6.98
$\sigma(\overline{knownw \neq})$	2.61	2.56	2.50	2.52
$\mu(\overline{stopw})$	2.78	2.71	2.71	2.82
$\sigma(\overline{stopw})$	1.09	1.04	1.09	1.12

TABLE S59. Token sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 13

	g.	p.	i.	h.
$tokens$	228757	49906	117956	60895
$tokens_{\%}$	100.00	21.82	51.56	26.62
$tokens \neq$	4.59	9.91	5.69	8.83
$\frac{knownw}{tokens}$	35.86	35.21	35.55	36.98
$\frac{knownw\neq}{knownw}$	5.44	13.91	7.94	12.06
$\frac{stopw}{knownw}$	71.93	72.07	71.92	71.82
$\frac{punct}{tokens}$	26.63	27.23	27.41	24.62
$\frac{contrac}{tokens}$	0.47	0.45	0.48	0.45
$\mu(\overline{tokens})$	3.82	3.78	3.79	3.89
$\sigma(\overline{tokens})$	3.21	3.22	3.24	3.13
$\mu(\overline{knownw})$	5.78	5.77	5.75	5.83
$\sigma(\overline{knownw})$	2.37	2.34	2.40	2.34
$\mu(\overline{knownw \neq})$	6.92	6.62	6.86	6.89
$\sigma(\overline{knownw \neq})$	2.57	2.50	2.55	2.50
$\mu(\overline{stopw})$	2.71	2.65	2.71	2.75
$\sigma(\overline{stopw})$	1.08	1.07	1.09	1.08

TABLE S58. Token sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 12

	g.	p.	i.	h.
$tokens$	197572	55526	120382	21666
$tokens_{\%}$	100.00	28.10	60.93	10.97
$tokens \neq$	6.59	12.62	7.25	16.04
$\frac{knownw}{tokens}$	35.68	36.91	35.11	35.72
$\frac{knownw\neq}{knownw}$	8.43	17.62	10.36	26.54
$\frac{stopw}{knownw}$	86.62	75.22	89.34	101.98
$\frac{punct}{tokens}$	19.45	20.06	19.76	16.15
$\frac{contrac}{tokens}$	0.64	0.36	0.70	1.03
$\mu(\overline{tokens})$	3.65	3.69	3.63	3.62
$\sigma(\overline{tokens})$	2.57	2.59	2.58	2.46
$\mu(\overline{knownw})$	5.55	5.51	5.57	5.52
$\sigma(\overline{knownw})$	2.39	2.47	2.37	2.28
$\mu(\overline{knownw \neq})$	6.81	6.61	6.73	6.51
$\sigma(\overline{knownw \neq})$	2.60	2.58	2.55	2.45
$\mu(\overline{stopw})$	2.78	2.77	2.79	2.75
$\sigma(\overline{stopw})$	1.08	1.06	1.09	1.09

TABLE S60. Token sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 15

	g.	p.	i.	h.
$tokens$	230109	75530	82221	72358
$tokens_{\%}$	100.00	32.82	35.73	31.45
$tokens \neq$	5.76	8.96	7.63	8.41
$\frac{knownw}{tokens}$	32.92	34.09	32.19	32.52
$\frac{knownw\neq}{knownw}$	7.15	11.55	11.53	13.24
$\frac{stopw}{knownw}$	69.01	47.59	74.67	86.08
$\frac{punct}{tokens}$	29.62	33.77	28.96	26.03
$\frac{contrac}{tokens}$	0.68	0.29	0.80	0.95
$\mu(\overline{tokens})$	3.51	3.42	3.45	3.67
$\sigma(\overline{tokens})$	2.78	2.49	2.89	2.92
$\mu(\overline{knownw})$	5.12	4.99	4.99	5.43
$\sigma(\overline{knownw})$	2.45	2.28	2.54	2.50
$\mu(\overline{knownw \neq})$	6.83	6.55	6.60	6.72
$\sigma(\overline{knownw \neq})$	2.61	2.58	2.54	2.56
$\mu(\overline{stopw})$	2.77	2.76	2.74	2.80
$\sigma(\overline{stopw})$	1.13	1.12	1.14	1.13

TABLE S61. Token sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 16

	g.	p.	i.	h.
$tokens$	202427	25041	48813	128573
$tokens_{\%}$	100.00	12.37	24.11	63.52
$tokens \neq$	6.31	14.26	13.04	6.46
$\frac{knownw}{tokens}$	34.42	33.70	33.82	34.78
$\frac{knownw\neq}{knownw}$	8.17	24.19	17.68	9.76
$\frac{stopw}{knownw}$	97.44	56.66	92.81	106.84
$\frac{punct}{tokens}$	20.32	31.98	20.61	17.94
$\frac{contrac}{tokens}$	0.89	0.39	0.68	1.06
$\mu(\overline{tokens})$	3.69	3.27	3.69	3.78
$\sigma(\overline{tokens})$	2.61	2.50	2.62	2.63
$\mu(\overline{knownw})$	5.48	4.94	5.42	5.61
$\sigma(\overline{knownw})$	2.27	2.40	2.22	2.24
$\mu(\overline{knownw \neq})$	6.86	6.34	6.49	6.88
$\sigma(\overline{knownw \neq})$	2.59	2.55	2.49	2.53
$\mu(\overline{stopw})$	2.79	2.68	2.77	2.80
$\sigma(\overline{stopw})$	1.10	1.11	1.11	1.10

TABLE S63. Token sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 18

	g.	p.	i.	h.
$tokens$	150383	16682	59348	74354
$tokens_{\%}$	100.00	11.09	39.46	49.44
$tokens \neq$	5.94	16.98	8.28	7.89
$\frac{knownw}{tokens}$	30.57	31.44	30.36	30.55
$\frac{knownw\neq}{knownw}$	7.82	27.56	12.34	11.52
$\frac{stopw}{knownw}$	70.71	67.85	67.75	73.71
$\frac{punct}{tokens}$	29.22	28.61	29.79	28.90
$\frac{contrac}{tokens}$	0.57	0.64	0.48	0.63
$\mu(\overline{tokens})$	3.52	3.58	3.50	3.53
$\sigma(\overline{tokens})$	3.03	2.98	3.03	3.04
$\mu(\overline{knownw})$	5.32	5.63	5.28	5.28
$\sigma(\overline{knownw})$	2.25	2.43	2.21	2.24
$\mu(\overline{knownw \neq})$	6.65	6.36	6.32	6.60
$\sigma(\overline{knownw \neq})$	2.55	2.54	2.42	2.52
$\mu(\overline{stopw})$	2.74	2.70	2.74	2.76
$\sigma(\overline{stopw})$	1.08	1.10	1.09	1.07

TABLE S62. Token sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 17

	g.	p.	i.	h.
$tokens$	115464	21717	25301	68446
$tokens_{\%}$	100.00	18.81	21.91	59.28
$tokens \neq$	7.53	14.87	14.95	8.49
$\frac{knownw}{tokens}$	34.41	31.22	33.60	35.72
$\frac{knownw\neq}{knownw}$	12.24	25.01	26.20	15.44
$\frac{stopw}{knownw}$	107.64	71.39	102.58	119.46
$\frac{punct}{tokens}$	19.49	31.69	20.79	15.13
$\frac{contrac}{tokens}$	1.55	0.73	1.41	1.86
$\mu(\overline{tokens})$	3.64	3.42	3.66	3.71
$\sigma(\overline{tokens})$	2.56	2.73	2.67	2.46
$\mu(\overline{knownw})$	5.61	5.22	5.52	5.75
$\sigma(\overline{knownw})$	2.35	2.53	2.30	2.30
$\mu(\overline{knownw \neq})$	6.83	6.29	6.39	6.85
$\sigma(\overline{knownw \neq})$	2.55	2.49	2.43	2.50
$\mu(\overline{stopw})$	2.72	2.66	2.69	2.74
$\sigma(\overline{stopw})$	1.12	1.11	1.14	1.11

TABLE S64. Token sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 19

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	g.	p.	i.	h.
$tokens$	247646	24597	106856	116193
$tokens_{\%}$	100.00	9.93	43.15	46.92
$tokens \neq$	4.51	13.62	6.69	6.33
$\frac{knownw}{tokens}$	35.66	34.86	35.34	36.12
$\frac{knownw\neq}{knownw}$	6.49	22.50	10.66	9.85
$\frac{stopw}{knownw}$	98.10	90.41	97.56	100.15
$\frac{punct}{tokens}$	21.23	24.02	21.65	20.26
$\frac{contrac}{tokens}$	1.15	0.71	1.06	1.33
$\mu(\overline{tokens})$	3.81	3.84	3.81	3.82
$\sigma(\overline{tokens})$	2.81	2.98	2.85	2.75
$\mu(\overline{knownw})$	5.73	5.86	5.73	5.70
$\sigma(\overline{knownw})$	2.25	2.25	2.28	2.22
$\mu(\overline{knownw \neq})$	6.99	6.54	6.85	6.85
$\sigma(\overline{knownw \neq})$	2.53	2.41	2.53	2.46
$\mu(\overline{stopw})$	2.76	2.72	2.72	2.79
$\sigma(\overline{stopw})$	1.11	1.14	1.11	1.09

TABLE S65. Token sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 0

	g.	p.	i.	h.
$tokens$	239130	31280	120073	87779
$tokens_{\%}$	100.00	13.08	50.21	36.71
$tokens \neq$	9.86	20.43	12.50	12.96
$\frac{knownw}{tokens}$	23.86	24.61	24.20	23.14
$\frac{knownw\neq}{knownw}$	4.69	13.39	6.05	7.28
$\frac{stopw}{knownw}$	34.67	33.71	34.21	35.69
$\frac{punct}{tokens}$	29.79	29.42	28.97	31.05
$\frac{contrac}{tokens}$	0.04	0.05	0.03	0.05
$\mu(\overline{tokens})$	3.85	3.91	3.86	3.83
$\sigma(\overline{tokens})$	3.04	3.21	3.01	3.02
$\mu(\overline{knownw})$	4.12	4.03	4.10	4.18
$\sigma(\overline{knownw})$	2.14	2.14	2.17	2.10
$\mu(\overline{knownw \neq})$	5.59	5.03	5.37	5.34
$\sigma(\overline{knownw \neq})$	2.41	2.32	2.34	2.37
$\mu(\overline{stopw})$	2.06	2.10	2.04	2.08
$\sigma(\overline{stopw})$	0.96	1.00	0.96	0.94

TABLE S66. Token sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 2

	g.	p.	i.	h.
$tokens$	301823	48466	113579	139778
$tokens_{\%}$	100.00	16.06	37.63	46.31
$tokens \neq$	4.84	9.88	6.41	7.13
$\frac{knownw}{tokens}$	35.21	35.29	34.09	36.09
$\frac{knownw\neq}{knownw}$	6.11	16.12	10.72	9.02
$\frac{stopw}{knownw}$	82.02	82.70	82.49	81.44
$\frac{punct}{tokens}$	23.30	23.54	24.64	22.14
$\frac{contrac}{tokens}$	0.78	0.79	0.90	0.69
$\mu(\overline{tokens})$	3.63	3.62	3.58	3.67
$\sigma(\overline{tokens})$	2.76	2.84	2.80	2.70
$\mu(\overline{knownw})$	5.52	5.51	5.47	5.56
$\sigma(\overline{knownw})$	2.39	2.39	2.33	2.43
$\mu(\overline{knownw \neq})$	6.97	6.56	6.78	6.92
$\sigma(\overline{knownw \neq})$	2.58	2.47	2.49	2.56
$\mu(\overline{stopw})$	2.78	2.72	2.74	2.84
$\sigma(\overline{stopw})$	1.09	1.08	1.09	1.09

TABLE S67. Token sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 3

	g.	p.	i.	h.
$tokens$	133676	21746	56924	55007
$tokens_{\%}$	100.00	16.27	42.58	41.15
$tokens \neq$	14.94	25.04	18.90	17.54
$\frac{knownw}{tokens}$	20.48	28.96	18.47	19.22
$\frac{knownw\neq}{knownw}$	11.50	31.24	13.00	11.22
$\frac{stopw}{knownw}$	49.43	73.21	47.22	37.47
$\frac{punct}{tokens}$	25.99	21.22	26.57	27.27
$\frac{contrac}{tokens}$	0.14	0.50	0.06	0.08
$\mu(\overline{tokens})$	4.08	4.09	4.09	4.08
$\sigma(\overline{tokens})$	3.44	3.15	3.48	3.50
$\mu(\overline{knownw})$	4.29	5.30	4.13	3.85
$\sigma(\overline{knownw})$	2.37	2.45	2.42	2.09
$\mu(\overline{knownw \neq})$	6.07	6.22	5.40	5.10
$\sigma(\overline{knownw \neq})$	2.55	2.50	2.46	2.39
$\mu(\overline{stopw})$	2.15	2.70	1.92	1.81
$\sigma(\overline{stopw})$	1.18	1.17	1.09	1.08

TABLE S68. Token sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 7

	g.	**p.**	**i.**	**h.**
$tokens$	93973	19552	23746	50675
$tokens_{\%}$	100.00	20.81	25.27	53.93
$tokens \neq$	9.49	20.97	15.34	10.74
$\frac{knownw}{tokens}$	34.39	33.17	35.10	34.52
$\frac{knownw\neq}{knownw}$	13.66	33.48	24.69	17.43
$\frac{stopw}{knownw}$	95.67	87.79	95.18	98.82
$\frac{punct}{tokens}$	21.31	21.80	20.70	21.41
$\frac{contrac}{tokens}$	1.50	0.94	1.58	1.69
$\mu(\overline{tokens})$	3.70	3.77	3.77	3.65
$\sigma(\overline{tokens})$	2.81	2.87	2.98	2.70
$\mu(\overline{knownw})$	5.52	5.70	5.49	5.47
$\sigma(\overline{knownw})$	2.24	2.35	2.19	2.22
$\mu(\overline{knownw \neq})$	6.65	6.43	6.35	6.45
$\sigma(\overline{knownw \neq})$	2.50	2.46	2.39	2.43
$\mu(\overline{stopw})$	2.80	2.78	2.79	2.81
$\sigma(\overline{stopw})$	1.13	1.11	1.14	1.13

TABLE S69. Token sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 8

	g.	**p.**	**i.**	**h.**
$tokens$	232261	133191	41532	57540
$tokens_{\%}$	100.00	57.34	17.88	24.77
$tokens \neq$	8.21	9.99	12.09	9.97
$\frac{knownw}{tokens}$	35.40	34.02	36.86	37.55
$\frac{knownw\neq}{knownw}$	7.56	7.23	19.66	15.85
$\frac{stopw}{knownw}$	52.09	16.21	96.71	95.72
$\frac{punct}{tokens}$	27.96	35.25	18.43	17.96
$\frac{contrac}{tokens}$	0.36	0.07	0.84	0.68
$\mu(\overline{tokens})$	3.56	3.21	4.00	4.07
$\sigma(\overline{tokens})$	2.66	2.42	2.88	2.87
$\mu(\overline{knownw})$	5.05	4.20	6.03	6.13
$\sigma(\overline{knownw})$	2.54	2.18	2.61	2.56
$\mu(\overline{knownw \neq})$	6.78	6.21	6.81	6.92
$\sigma(\overline{knownw \neq})$	2.64	2.59	2.60	2.61
$\mu(\overline{stopw})$	2.74	2.57	2.78	2.78
$\sigma(\overline{stopw})$	1.08	1.13	1.08	1.06

TABLE S70. Token sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 10

	g.	**p.**	**i.**	**h.**
$tokens$	200500	15394	99960	85147
$tokens_{\%}$	100.00	7.68	49.86	42.47
$tokens \neq$	5.77	19.57	8.78	8.24
$\frac{knownw}{tokens}$	38.26	38.62	38.60	37.79
$\frac{knownw\neq}{knownw}$	9.29	35.41	14.07	14.90
$\frac{stopw}{knownw}$	95.07	97.80	93.27	96.73
$\frac{punct}{tokens}$	16.89	17.06	16.57	17.24
$\frac{contrac}{tokens}$	0.51	0.94	0.44	0.51
$\mu(\overline{tokens})$	3.84	3.86	3.84	3.83
$\sigma(\overline{tokens})$	2.74	2.74	2.69	2.80
$\mu(\overline{knownw})$	5.93	6.03	5.91	5.94
$\sigma(\overline{knownw})$	2.57	2.48	2.57	2.57
$\mu(\overline{knownw \neq})$	7.29	6.83	7.19	7.14
$\sigma(\overline{knownw \neq})$	2.69	2.59	2.69	2.65
$\mu(\overline{stopw})$	2.78	2.76	2.78	2.78
$\sigma(\overline{stopw})$	1.11	1.07	1.10	1.12

TABLE S71. Token sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 11

	g.	**p.**	**i.**	**h.**
$tokens$	119676	36645	65348	17684
$tokens_{\%}$	100.00	30.62	54.60	14.78
$tokens \neq$	7.18	12.06	9.19	17.06
$\frac{knownw}{tokens}$	36.04	35.42	36.35	36.15
$\frac{knownw\neq}{knownw}$	10.17	18.70	13.92	28.44
$\frac{stopw}{knownw}$	81.84	76.96	82.87	87.95
$\frac{punct}{tokens}$	19.23	17.37	20.22	19.44
$\frac{contrac}{tokens}$	0.77	0.64	0.87	0.63
$\mu(\overline{tokens})$	3.67	3.61	3.69	3.68
$\sigma(\overline{tokens})$	2.55	2.47	2.61	2.50
$\mu(\overline{knownw})$	5.50	5.24	5.63	5.58
$\sigma(\overline{knownw})$	2.41	2.49	2.39	2.30
$\mu(\overline{knownw \neq})$	6.68	6.37	6.64	6.35
$\sigma(\overline{knownw \neq})$	2.61	2.60	2.54	2.47
$\mu(\overline{stopw})$	2.77	2.76	2.78	2.77
$\sigma(\overline{stopw})$	1.08	1.06	1.08	1.08

TABLE S72. Token sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 15

D. Sizes of sentences

1. Snapshots of 1000 messages

	g.	p.	i.	h.
$sents$	4121	539	1383	2200
$sents_{\%}$	99.98	13.08	33.55	53.37
$\mu_S(chars)$	133.07	126.55	129.00	137.16
$\sigma_S(chars)$	125.73	166.78	124.46	114.06
$\mu_S(tokens)$	29.26	27.39	28.42	30.23
$\sigma_S(tokens)$	27.57	36.49	27.46	24.92
$\mu_S(knownw)$	9.19	8.08	8.97	9.60
$\sigma_S(knownw)$	7.96	7.67	8.29	7.79
$\mu_S(stopw)$	9.06	7.72	8.59	9.68
$\sigma_S(stopw)$	7.47	6.69	7.22	7.74
$\mu_S(puncts)$	6.06	5.89	5.75	6.30
$\sigma_S(puncts)$	9.82	14.64	9.45	8.47

TABLE S73. Sentences sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 0

	g.	p.	i.	h.
$sents$	4916	732	1575	2611
$sents_{\%}$	99.96	14.88	32.03	53.09
$\mu_S(chars)$	103.80	117.55	103.22	100.22
$\sigma_S(chars)$	129.21	183.27	113.98	118.84
$\mu_S(tokens)$	22.97	27.73	22.28	22.04
$\sigma_S(tokens)$	32.30	52.31	25.25	28.39
$\mu_S(knownw)$	4.64	5.15	4.67	4.47
$\sigma_S(knownw)$	6.67	8.71	6.12	6.32
$\mu_S(stopw)$	1.63	1.68	1.59	1.65
$\sigma_S(stopw)$	2.38	2.42	2.21	2.47
$\mu_S(puncts)$	6.74	8.18	6.34	6.56
$\sigma_S(puncts)$	11.57	20.15	8.42	9.74

TABLE S74. Sentences sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 2

	g.	p.	i.	h.
$sents$	6348	687	2712	2951
$sents_{\%}$	99.97	10.82	42.71	46.47
$\mu_S(chars)$	121.50	134.05	143.19	98.56
$\sigma_S(chars)$	295.23	265.42	407.88	131.19
$\mu_S(tokens)$	27.45	31.03	32.41	22.03
$\sigma_S(tokens)$	64.88	64.48	87.66	31.13
$\mu_S(knownw)$	7.54	8.52	8.41	6.50
$\sigma_S(knownw)$	11.08	13.08	13.59	7.23
$\mu_S(stopw)$	6.82	7.07	7.53	6.11
$\sigma_S(stopw)$	7.01	7.16	7.60	6.31
$\mu_S(puncts)$	6.61	7.69	8.37	4.73
$\sigma_S(puncts)$	29.24	27.79	40.31	12.66

TABLE S75. Sentences sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 3

	g.	p.	i.	h.
$sents$	5430	3643	455	1334
$sents_{\%}$	99.96	67.07	8.38	24.56
$\mu_S(chars)$	175.81	190.20	219.32	121.38
$\sigma_S(chars)$	617.21	727.56	479.42	150.05
$\mu_S(tokens)$	42.38	46.54	53.84	27.02
$\sigma_S(tokens)$	189.73	225.85	126.24	38.45
$\mu_S(knownw)$	11.93	13.24	14.38	7.52
$\sigma_S(knownw)$	34.19	39.74	31.86	8.66
$\mu_S(stopw)$	7.40	7.66	7.25	6.75
$\sigma_S(stopw)$	10.16	11.41	9.68	5.67
$\mu_S(puncts)$	11.77	12.88	18.85	6.30
$\sigma_S(puncts)$	79.52	94.48	55.42	16.28

TABLE S76. Sentences sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 6

	g.	p.	i.	h.
$sents$	3210	440	1628	1143
$sents_{\%}$	99.97	13.70	50.70	35.60
$\mu_S(chars)$	135.39	147.01	125.14	145.39
$\sigma_S(chars)$	169.25	187.32	152.73	182.75
$\mu_S(tokens)$	28.36	31.87	26.40	29.78
$\sigma_S(tokens)$	40.96	48.66	40.30	38.39
$\mu_S(knownw)$	4.31	4.64	3.89	4.77
$\sigma_S(knownw)$	7.10	7.78	6.28	7.85
$\mu_S(stopw)$	1.65	1.74	1.44	1.91
$\sigma_S(stopw)$	2.60	2.51	2.24	3.06
$\mu_S(puncts)$	8.34	9.53	7.80	8.63
$\sigma_S(puncts)$	14.82	17.77	15.28	12.70

TABLE S77. Sentences sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 7

	g.	p.	i.	h.
$sents$	3801	590	942	2271
$sents_{\%}$	99.95	15.51	24.77	59.72
$\mu_S(chars)$	149.16	239.36	150.63	124.99
$\sigma_S(chars)$	297.69	590.81	296.82	135.54
$\mu_S(tokens)$	34.63	56.95	32.42	29.72
$\sigma_S(tokens)$	72.93	150.58	58.66	37.79
$\mu_S(knownw)$	9.96	12.67	9.92	9.26
$\sigma_S(knownw)$	13.45	25.21	9.23	10.00
$\mu_S(stopw)$	8.68	7.59	9.37	8.67
$\sigma_S(stopw)$	7.58	8.09	7.98	7.22
$\mu_S(puncts)$	8.61	17.77	6.23	7.22
$\sigma_S(puncts)$	29.85	64.00	19.41	15.63

TABLE S78. Sentences sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 8

	g.	p.	i.	h.
$sents$	5008	2032	2001	976
$sents_{\%}$	99.98	40.57	39.95	19.48
$\mu_S(chars)$	143.41	128.61	135.77	189.77
$\sigma_S(chars)$	179.41	171.80	181.92	182.09
$\mu_S(tokens)$	32.39	29.37	30.99	41.52
$\sigma_S(tokens)$	44.25	44.59	44.89	40.88
$\mu_S(knownw)$	9.48	8.07	9.09	13.23
$\sigma_S(knownw)$	9.92	7.62	9.87	12.88
$\mu_S(stopw)$	9.21	7.34	8.24	15.06
$\sigma_S(stopw)$	9.71	7.15	7.59	14.70
$\mu_S(puncts)$	6.57	6.13	6.65	7.33
$\sigma_S(puncts)$	14.10	12.62	17.01	9.76

TABLE S79. Sentences sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 9

	g.	p.	i.	h.
$sents$	4846	765	2720	1363
$sents_{\%}$	99.96	15.78	56.11	28.11
$\mu_S(chars)$	127.17	137.06	130.14	115.52
$\sigma_S(chars)$	114.05	129.07	117.97	94.20
$\mu_S(tokens)$	26.90	28.67	27.20	25.28
$\sigma_S(tokens)$	27.19	29.52	28.85	21.69
$\mu_S(knownw)$	8.15	8.81	8.19	7.68
$\sigma_S(knownw)$	7.34	10.08	7.10	5.78
$\mu_S(stopw)$	7.89	7.38	8.10	7.75
$\sigma_S(stopw)$	6.63	6.86	6.76	6.22
$\mu_S(puncts)$	5.40	6.14	5.36	5.06
$\sigma_S(puncts)$	10.97	10.85	12.46	7.15

TABLE S80. Sentences sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 10

	g.	p.	i.	h.
$sents$	13129	832	6892	5407
$sents_{\%}$	99.98	6.34	52.49	41.18
$\mu_S(chars)$	115.91	111.90	121.95	108.78
$\sigma_S(chars)$	92.56	90.52	96.28	87.14
$\mu_S(tokens)$	24.65	23.37	26.43	22.57
$\sigma_S(tokens)$	20.19	19.24	21.47	18.29
$\mu_S(knownw)$	7.77	7.14	7.93	7.65
$\sigma_S(knownw)$	6.13	5.77	6.36	5.87
$\mu_S(stopw)$	8.65	7.50	8.73	8.72
$\sigma_S(stopw)$	6.97	6.65	7.26	6.63
$\mu_S(puncts)$	3.59	4.06	4.10	2.87
$\sigma_S(puncts)$	5.13	5.07	5.44	4.63

TABLE S81. Sentences sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 11

	g.	p.	i.	h.
$sents$	6943	1347	3512	2085
$sents_{\%}$	99.99	19.40	50.58	30.03
$\mu_S(chars)$	154.08	164.89	158.17	140.14
$\sigma_S(chars)$	326.95	407.00	335.97	241.95
$\mu_S(tokens)$	32.95	37.06	33.59	29.21
$\sigma_S(tokens)$	77.36	109.67	76.77	46.94
$\mu_S(knownw)$	10.00	10.89	10.29	8.92
$\sigma_S(knownw)$	19.48	24.24	20.87	12.20
$\mu_S(stopw)$	7.40	8.10	7.45	6.85
$\sigma_S(stopw)$	6.94	8.11	6.59	6.64
$\mu_S(puncts)$	8.78	10.10	9.21	7.20
$\sigma_S(puncts)$	37.62	51.25	39.10	20.90

TABLE S82. Sentences sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 12

	g.	p.	i.	h.
$sents$	5872	2452	305	3117
$sents_{\%}$	99.97	41.74	5.19	53.06
$\mu_S(chars)$	188.01	282.66	154.73	116.69
$\sigma_S(chars)$	379.46	544.78	268.44	135.98
$\mu_S(tokens)$	37.93	55.37	33.55	24.63
$\sigma_S(tokens)$	102.15	151.69	54.34	29.14
$\mu_S(knownw)$	8.23	8.06	8.97	8.28
$\sigma_S(knownw)$	15.13	21.01	12.01	8.33
$\mu_S(stopw)$	7.12	5.94	7.30	8.03
$\sigma_S(stopw)$	6.67	7.10	6.61	6.16
$\mu_S(puncts)$	7.82	11.79	9.34	4.54
$\sigma_S(puncts)$	32.29	47.39	22.49	11.15

TABLE S83. Sentences sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 13

	g.	p.	i.	h.
$sents$	6904	1783	4292	831
$sents_{\%}$	99.97	25.82	62.15	12.03
$\mu_S(chars)$	128.77	139.01	126.25	119.47
$\sigma_S(chars)$	192.59	212.95	180.66	204.77
$\mu_S(tokens)$	28.62	31.15	28.05	26.07
$\sigma_S(tokens)$	45.60	53.71	43.47	36.07
$\mu_S(knownw)$	8.23	8.55	8.07	8.35
$\sigma_S(knownw)$	10.44	12.28	9.88	8.76
$\mu_S(stopw)$	7.56	6.96	7.61	8.52
$\sigma_S(stopw)$	7.26	6.55	7.16	8.91
$\mu_S(puncts)$	5.57	6.26	5.54	4.21
$\sigma_S(puncts)$	14.85	21.47	12.55	5.13

TABLE S84. Sentences sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 15

	g.	**p.**	**i.**	**h.**
$sents$	6338	1404	2254	2682
$sents_{\%}$	99.97	22.15	35.55	42.30
$\mu_S(chars)$	151.69	214.02	153.30	117.59
$\sigma_S(chars)$	516.16	995.57	311.97	160.49
$\mu_S(tokens)$	36.33	53.84	36.51	26.99
$\sigma_S(tokens)$	148.34	282.11	98.65	43.75
$\mu_S(knownw)$	10.34	15.08	10.45	7.76
$\sigma_S(knownw)$	46.35	90.03	28.23	12.02
$\mu_S(stopw)$	7.16	7.31	7.61	6.70
$\sigma_S(stopw)$	7.34	8.87	7.02	6.65
$\mu_S(puncts)$	10.78	18.21	10.59	7.03
$\sigma_S(puncts)$	66.45	125.67	46.33	17.92

TABLE S85. Sentences sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 16

	g.	**p.**	**i.**	**h.**
$sents$	3394	455	1213	1728
$sents_{\%}$	99.94	13.40	35.72	50.88
$\mu_S(chars)$	184.37	153.46	201.62	180.18
$\sigma_S(chars)$	381.65	220.05	353.00	430.61
$\mu_S(tokens)$	44.32	36.68	48.94	43.03
$\sigma_S(tokens)$	103.27	60.35	92.84	117.92
$\mu_S(knownw)$	11.29	9.29	12.13	11.23
$\sigma_S(knownw)$	19.13	12.22	17.93	21.27
$\mu_S(stopw)$	8.50	6.82	8.92	8.64
$\sigma_S(stopw)$	8.70	6.09	10.27	8.00
$\mu_S(puncts)$	12.95	10.51	14.58	12.44
$\sigma_S(puncts)$	47.47	26.70	39.23	56.16

TABLE S86. Sentences sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 17

	g.	**p.**	**i.**	**h.**
$sents$	6904	457	1643	4806
$sents_{\%}$	99.97	6.62	23.79	69.59
$\mu_S(chars)$	132.47	215.74	136.48	123.12
$\sigma_S(chars)$	209.81	513.30	216.83	146.13
$\mu_S(tokens)$	29.34	54.81	29.72	26.77
$\sigma_S(tokens)$	54.56	155.05	44.25	35.39
$\mu_S(knownw)$	9.01	15.65	8.76	8.46
$\sigma_S(knownw)$	13.96	39.42	10.28	9.57
$\mu_S(stopw)$	8.85	9.23	8.42	8.96
$\sigma_S(stopw)$	8.28	10.16	8.19	8.10
$\mu_S(puncts)$	5.98	17.54	6.13	4.82
$\sigma_S(puncts)$	23.07	71.45	15.63	13.48

TABLE S87. Sentences sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 18

	g.	**p.**	**i.**	**h.**
$sents$	4372	474	880	3020
$sents_{\%}$	99.95	10.84	20.12	69.04
$\mu_S(chars)$	116.45	186.74	126.84	102.31
$\sigma_S(chars)$	170.78	398.65	129.14	106.85
$\mu_S(tokens)$	26.42	45.86	28.76	22.67
$\sigma_S(tokens)$	48.12	124.01	29.99	24.52
$\mu_S(knownw)$	8.09	11.80	8.60	7.36
$\sigma_S(knownw)$	9.69	18.85	8.30	7.57
$\mu_S(stopw)$	8.59	9.00	8.62	8.51
$\sigma_S(stopw)$	8.17	8.96	7.72	8.16
$\mu_S(puncts)$	5.16	14.56	5.98	3.43
$\sigma_S(puncts)$	21.59	60.95	10.56	6.48

TABLE S88. Sentences sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 19

2. Snapshots of 2000 messages

	g.	p.	i.	h.
$sents$	8489	890	3762	3839
$sents_{\%}$	99.98	10.48	44.31	45.21
$\mu_S(chars)$	133.77	126.93	130.84	138.16
$\sigma_S(chars)$	340.24	171.39	489.09	121.34
$\mu_S(tokens)$	29.21	27.71	28.42	30.32
$\sigma_S(tokens)$	65.83	39.40	93.20	26.64
$\mu_S(knownw)$	9.36	8.52	9.07	9.84
$\sigma_S(knownw)$	12.30	7.78	15.98	8.35
$\mu_S(stopw)$	9.06	7.47	8.62	9.86
$\sigma_S(stopw)$	8.47	6.70	9.09	8.12
$\mu_S(puncts)$	6.23	6.71	6.16	6.18
$\sigma_S(puncts)$	28.34	18.96	40.64	8.62

TABLE S89. Sentences sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 0

	g.	p.	i.	h.
$sents$	10286	1406	5036	3846
$sents_{\%}$	99.98	13.67	48.95	37.38
$\mu_S(chars)$	104.54	101.43	107.50	101.76
$\sigma_S(chars)$	191.13	110.31	169.38	235.95
$\mu_S(tokens)$	23.25	22.25	23.85	22.83
$\sigma_S(tokens)$	47.10	26.79	40.96	58.92
$\mu_S(knownw)$	4.59	4.48	4.76	4.42
$\sigma_S(knownw)$	7.20	5.95	7.71	6.93
$\mu_S(stopw)$	1.59	1.46	1.65	1.56
$\sigma_S(stopw)$	2.40	2.28	2.52	2.29
$\mu_S(puncts)$	6.93	6.55	6.91	7.09
$\sigma_S(puncts)$	17.78	10.01	15.36	22.35

TABLE S90. Sentences sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 2

	g.	p.	i.	h.
$sents$	12232	1918	4210	6106
$sents_{\%}$	99.98	15.68	34.41	49.91
$\mu_S(chars)$	106.31	109.21	114.69	99.58
$\sigma_S(chars)$	181.83	136.96	201.23	179.78
$\mu_S(tokens)$	24.68	25.27	26.98	22.90
$\sigma_S(tokens)$	48.90	34.56	54.47	48.59
$\mu_S(knownw)$	7.00	7.16	7.42	6.65
$\sigma_S(knownw)$	9.88	7.95	9.92	10.38
$\mu_S(stopw)$	6.04	6.17	6.41	5.74
$\sigma_S(stopw)$	6.30	6.05	6.10	6.48
$\mu_S(puncts)$	5.75	5.95	6.65	5.07
$\sigma_S(puncts)$	20.62	13.94	23.75	20.03

TABLE S91. Sentences sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 3

	g.	p.	i.	h.
$sents$	5347	1000	2302	2047
$sents_{\%}$	99.96	18.70	43.04	38.27
$\mu_S(chars)$	121.38	105.41	119.66	130.99
$\sigma_S(chars)$	173.71	101.05	147.74	221.52
$\mu_S(tokens)$	25.02	21.75	24.75	26.88
$\sigma_S(tokens)$	35.69	21.47	34.79	41.63
$\mu_S(knownw)$	4.33	5.35	3.89	4.31
$\sigma_S(knownw)$	5.96	5.24	6.25	5.90
$\mu_S(stopw)$	2.27	3.99	1.96	1.79
$\sigma_S(stopw)$	3.32	4.40	3.20	2.45
$\mu_S(puncts)$	6.51	4.62	6.59	7.34
$\sigma_S(puncts)$	12.24	6.92	12.92	13.34

TABLE S92. Sentences sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 7

	g.	p.	i.	h.
$sents$	3197	627	751	1821
$sents_{\%}$	99.94	19.60	23.48	56.92
$\mu_S(chars)$	130.59	139.72	143.24	122.08
$\sigma_S(chars)$	153.45	189.58	161.14	134.35
$\mu_S(tokens)$	29.40	31.19	31.63	27.84
$\sigma_S(tokens)$	34.26	41.93	34.73	30.83
$\mu_S(knownw)$	9.14	8.90	10.12	8.81
$\sigma_S(knownw)$	9.20	10.25	9.18	8.78
$\mu_S(stopw)$	8.60	8.06	9.37	8.47
$\sigma_S(stopw)$	7.76	8.65	7.96	7.31
$\mu_S(puncts)$	6.27	6.81	6.55	5.97
$\sigma_S(puncts)$	12.19	14.02	13.13	11.04

TABLE S93. Sentences sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 8

	g.	p.	i.	h.
$sents$	5088	1323	1517	2250
$sents_{\%}$	99.96	25.99	29.80	44.20
$\mu_S(chars)$	188.54	365.11	130.10	123.96
$\sigma_S(chars)$	1352.96	2638.32	117.71	110.90
$\mu_S(tokens)$	45.66	100.68	27.39	25.58
$\sigma_S(tokens)$	422.76	825.50	25.74	24.63
$\mu_S(knownw)$	11.53	20.34	8.72	8.25
$\sigma_S(knownw)$	72.62	141.47	7.76	7.40
$\mu_S(stopw)$	7.51	4.84	8.74	8.24
$\sigma_S(stopw)$	7.90	8.68	7.49	7.30
$\mu_S(puncts)$	12.77	35.50	5.05	4.60
$\sigma_S(puncts)$	191.36	374.07	8.52	8.15

TABLE S94. Sentences sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 10

	g.	**p.**	**i.**	**h.**
$sents$	7694	588	3771	3337
$sents_{\%}$	99.97	7.64	49.00	43.36
$\mu_S(chars)$	120.01	121.48	122.43	116.95
$\sigma_S(chars)$	99.78	101.46	100.05	98.99
$\mu_S(tokens)$	26.06	26.19	26.51	25.52
$\sigma_S(tokens)$	23.09	22.12	23.21	23.09
$\mu_S(knownw)$	8.01	8.05	8.05	7.95
$\sigma_S(knownw)$	6.57	7.00	6.61	6.45
$\mu_S(stopw)$	8.48	8.83	8.60	8.28
$\sigma_S(stopw)$	7.07	7.68	7.24	6.75
$\mu_S(puncts)$	4.41	4.48	4.40	4.40
$\sigma_S(puncts)$	6.85	6.00	6.48	7.38

TABLE S95. Sentences sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 11

	g.	**p.**	**i.**	**h.**
$sents$	4113	1162	2384	569
$sents_{\%}$	99.95	28.24	57.93	13.83
$\mu_S(chars)$	131.76	142.98	123.76	141.93
$\sigma_S(chars)$	159.36	167.63	125.45	243.84
$\mu_S(tokens)$	29.11	31.54	27.42	31.09
$\sigma_S(tokens)$	34.97	37.50	26.97	53.74
$\mu_S(knownw)$	8.64	9.02	8.19	9.73
$\sigma_S(knownw)$	9.17	8.12	7.03	16.20
$\mu_S(stopw)$	7.52	7.48	7.22	8.84
$\sigma_S(stopw)$	7.43	6.67	6.31	11.74
$\mu_S(puncts)$	5.60	5.49	5.55	6.05
$\sigma_S(puncts)$	10.43	9.89	8.96	15.82

TABLE S96. Sentences sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 15

E. Messages

1. Snapshots of 1000 messages

	g.	p.	i.	h.
$msgs$	999	120	394	485
$msgs_{\%}$	100.00	12.01	39.44	48.55
$\mu_M(sents)$	4.96	5.40	4.42	5.28
$\sigma_M(sents)$	5.51	4.58	4.30	6.48
$\mu_M(tokens)$	122.21	124.05	101.06	138.95
$\sigma_M(tokens)$	156.44	170.65	109.44	181.18
$\mu_M(knownw)$	38.43	36.65	31.92	44.17
$\sigma_M(knownw)$	46.12	38.27	37.08	53.24
$\mu_M(stopw)$	36.85	34.42	29.74	43.24
$\sigma_M(stopw)$	45.03	35.03	35.08	52.83
$\mu_M(puncts)$	26.39	27.23	21.28	30.33
$\sigma_M(puncts)$	48.68	63.42	25.34	57.68
$\mu_M(chars)$	551.97	573.65	455.12	625.27
$\sigma_M(chars)$	674.26	794.67	502.11	749.84

TABLE S97. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 0

	g.	p.	i.	h.
$msgs$	990	144	327	519
$msgs_{\%}$	100.00	14.55	33.03	52.42
$\mu_M(sents)$	5.96	6.05	5.81	6.02
$\sigma_M(sents)$	2.97	3.83	2.73	2.84
$\mu_M(tokens)$	115.01	141.84	108.18	111.87
$\sigma_M(tokens)$	98.22	179.36	64.58	81.30
$\mu_M(knownw)$	23.97	27.06	23.39	23.47
$\sigma_M(knownw)$	17.82	24.77	13.77	17.69
$\mu_M(stopw)$	8.11	8.54	7.68	8.27
$\sigma_M(stopw)$	7.74	7.10	4.34	9.40
$\mu_M(puncts)$	33.51	41.69	30.56	33.11
$\sigma_M(puncts)$	30.96	58.92	19.90	24.31
$\mu_M(chars)$	521.57	603.14	503.16	510.55
$\sigma_M(chars)$	383.91	580.21	307.30	355.04

TABLE S98. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 2

	g.	p.	i.	h.
$msgs$	1000	115	348	537
$msgs_{\%}$	100.00	11.50	34.80	53.70
$\mu_M(sents)$	7.25	6.87	8.65	6.43
$\sigma_M(sents)$	6.15	4.83	7.33	5.37
$\mu_M(tokens)$	176.08	187.21	255.09	122.50
$\sigma_M(tokens)$	264.15	245.50	374.55	138.47
$\mu_M(knownw)$	48.29	51.34	66.22	36.02
$\sigma_M(knownw)$	57.71	58.18	77.58	34.88
$\mu_M(stopw)$	42.78	41.57	57.86	33.26
$\sigma_M(stopw)$	47.13	38.80	62.87	31.85
$\mu_M(puncts)$	43.59	47.65	67.52	27.20
$\sigma_M(puncts)$	103.20	92.43	150.25	52.26
$\mu_M(chars)$	777.34	806.06	1123.88	546.63
$\sigma_M(chars)$	1226.60	1039.90	1807.09	568.07

TABLE S99. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 3

	g.	p.	i.	h.
$msgs$	848	496	90	262
$msgs_{\%}$	100.00	58.49	10.61	30.90
$\mu_M(sents)$	7.27	8.16	5.99	6.04
$\sigma_M(sents)$	8.59	10.48	4.54	4.49
$\mu_M(tokens)$	272.62	342.71	273.70	139.55
$\sigma_M(tokens)$	504.82	625.09	360.33	116.20
$\mu_M(knownw)$	76.78	97.46	73.24	38.85
$\sigma_M(knownw)$	112.68	136.28	89.23	30.78
$\mu_M(stopw)$	47.10	56.12	36.19	33.78
$\sigma_M(stopw)$	63.93	78.85	30.25	27.77
$\mu_M(puncts)$	76.32	95.30	96.40	33.50
$\sigma_M(puncts)$	210.38	262.51	157.44	40.44
$\mu_M(chars)$	1132.79	1405.79	1113.91	622.46
$\sigma_M(chars)$	1748.97	2128.22	1411.94	489.36

TABLE S100. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 6

	g.	p.	i.	h.
$msgs$	998	121	467	410
$msgs_{\%}$	100.00	12.12	46.79	41.08
$\mu_M(sents)$	4.17	4.60	4.42	3.74
$\sigma_M(sents)$	3.36	4.57	3.25	3.01
$\mu_M(tokens)$	92.14	116.83	92.97	83.91
$\sigma_M(tokens)$	100.80	150.09	96.14	85.49
$\mu_M(knownw)$	14.82	17.85	14.56	14.22
$\sigma_M(knownw)$	18.18	26.13	15.96	17.60
$\mu_M(stopw)$	5.30	6.31	5.02	5.32
$\sigma_M(stopw)$	6.69	7.94	6.15	6.84
$\mu_M(puncts)$	26.82	34.69	27.21	24.05
$\sigma_M(puncts)$	32.43	49.03	31.90	25.81
$\mu_M(chars)$	439.89	538.64	441.75	408.62
$\sigma_M(chars)$	420.57	607.79	386.04	384.61

TABLE S101. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 7

	g.	**p.**	**i.**	**h.**
$msgs$	987	128	315	544
$msgs_{\%}$	100.00	12.97	31.91	55.12
$\mu_M(sents)$	4.70	5.49	3.96	4.93
$\sigma_M(sents)$	4.56	5.58	3.14	4.91
$\mu_M(tokens)$	135.20	263.37	98.49	126.29
$\sigma_M(tokens)$	274.84	622.60	130.08	176.98
$\mu_M(knownw)$	38.96	58.70	30.24	39.37
$\sigma_M(knownw)$	55.82	99.18	30.62	51.57
$\mu_M(stopw)$	32.75	34.80	27.50	35.31
$\sigma_M(stopw)$	37.40	50.55	27.99	38.20
$\mu_M(puncts)$	34.85	82.50	19.91	32.28
$\sigma_M(puncts)$	108.12	258.67	37.96	62.93
$\mu_M(chars)$	577.08	1109.51	452.24	524.09
$\sigma_M(chars)$	1072.10	2365.00	638.17	674.52

TABLE S102. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 8

	g.	**p.**	**i.**	**h.**
$msgs$	997	373	340	284
$msgs_{\%}$	100.00	37.41	34.10	28.49
$\mu_M(sents)$	5.90	6.31	6.76	4.34
$\sigma_M(sents)$	5.83	5.27	7.24	4.06
$\mu_M(tokens)$	164.57	161.23	183.99	145.71
$\sigma_M(tokens)$	206.67	207.77	250.58	131.36
$\mu_M(knownw)$	48.33	44.41	54.13	46.53
$\sigma_M(knownw)$	54.25	45.15	67.74	45.82
$\mu_M(stopw)$	45.54	39.53	47.90	50.60
$\sigma_M(stopw)$	50.37	39.98	60.71	48.12
$\mu_M(puncts)$	34.68	34.36	40.52	28.12
$\sigma_M(puncts)$	54.17	53.39	69.72	25.61
$\mu_M(chars)$	725.53	707.30	806.14	652.95
$\sigma_M(chars)$	879.39	852.82	1075.45	601.20

TABLE S103. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 9

	g.	**p.**	**i.**	**h.**
$msgs$	1000	171	484	345
$msgs_{\%}$	100.00	17.10	48.40	34.50
$\mu_M(sents)$	5.78	5.35	6.55	4.91
$\sigma_M(sents)$	7.20	6.39	8.92	4.10
$\mu_M(tokens)$	131.68	129.29	154.06	101.47
$\sigma_M(tokens)$	214.57	201.99	269.93	96.95
$\mu_M(knownw)$	40.01	39.77	46.53	30.97
$\sigma_M(knownw)$	67.19	67.00	83.26	31.52
$\mu_M(stopw)$	37.80	32.75	45.12	30.04
$\sigma_M(stopw)$	64.94	53.21	83.32	30.50
$\mu_M(puncts)$	27.17	28.26	30.99	21.28
$\sigma_M(puncts)$	47.56	47.81	58.95	22.18
$\mu_M(chars)$	622.09	618.25	739.37	459.46
$\sigma_M(chars)$	1054.80	1022.33	1322.30	456.30

TABLE S104. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 10

	g.	**p.**	**i.**	**h.**
$msgs$	1000	99	337	564
$msgs_{\%}$	100.00	9.90	33.70	56.40
$\mu_M(sents)$	14.09	9.26	21.39	10.57
$\sigma_M(sents)$	16.37	9.35	22.72	10.15
$\mu_M(tokens)$	325.77	197.90	542.84	218.51
$\sigma_M(tokens)$	422.68	197.20	607.01	217.38
$\mu_M(knownw)$	102.78	60.42	163.11	74.17
$\sigma_M(knownw)$	128.42	58.85	181.29	75.41
$\mu_M(stopw)$	113.05	62.70	177.92	83.13
$\sigma_M(stopw)$	141.87	64.40	199.76	85.21
$\mu_M(puncts)$	48.74	35.38	85.54	29.09
$\sigma_M(puncts)$	65.60	37.92	92.24	32.68
$\mu_M(chars)$	1539.83	952.44	2527.69	1052.66
$\sigma_M(chars)$	1981.30	946.94	2831.64	1063.39

TABLE S105. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 11

	g.	**p.**	**i.**	**h.**
$msgs$	995	246	481	268
$msgs_{\%}$	100.00	24.72	48.34	26.93
$\mu_M(sents)$	7.88	6.31	8.19	8.77
$\sigma_M(sents)$	8.56	4.80	10.04	8.17
$\mu_M(tokens)$	231.31	203.93	246.73	228.79
$\sigma_M(tokens)$	342.52	322.50	394.25	244.98
$\mu_M(knownw)$	70.23	59.91	75.62	70.03
$\sigma_M(knownw)$	94.74	77.28	111.29	73.91
$\mu_M(stopw)$	51.24	43.96	54.03	52.89
$\sigma_M(stopw)$	58.82	35.17	68.91	55.85
$\mu_M(puncts)$	62.31	56.19	68.41	56.97
$\sigma_M(puncts)$	144.45	139.69	171.74	80.59
$\mu_M(chars)$	1091.36	910.45	1176.93	1103.85
$\sigma_M(chars)$	1511.77	1232.84	1758.14	1224.29

TABLE S106. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 12

	g.	**p.**	**i.**	**h.**
$msgs$	960	402	68	490
$msgs_{\%}$	100.00	41.88	7.08	51.04
$\mu_M(sents)$	7.04	7.03	5.43	7.28
$\sigma_M(sents)$	9.94	8.07	5.16	11.67
$\mu_M(tokens)$	233.62	338.31	151.68	159.09
$\sigma_M(tokens)$	441.81	582.91	175.60	289.66
$\mu_M(knownw)$	50.82	49.35	40.71	53.43
$\sigma_M(knownw)$	87.75	80.13	46.79	97.43
$\mu_M(stopw)$	43.05	36.23	32.32	50.13
$\sigma_M(stopw)$	76.87	49.45	41.79	96.04
$\mu_M(puncts)$	49.20	72.18	42.87	31.21
$\sigma_M(puncts)$	110.62	152.16	62.51	60.61
$\mu_M(chars)$	1175.54	1775.50	699.03	749.44
$\sigma_M(chars)$	1736.65	2037.58	814.73	1379.21

TABLE S107. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 13

	g.	p.	i.	h.
$msgs$	995	190	639	166
$msgs_{\%}$	100.00	19.10	64.22	16.68
$\mu_M(sents)$	7.83	10.26	7.60	5.92
$\sigma_M(sents)$	6.99	8.86	6.60	4.97
$\mu_M(tokens)$	200.16	293.52	190.02	132.33
$\sigma_M(tokens)$	233.62	359.51	195.06	133.31
$\mu_M(knownw)$	57.52	80.52	54.64	42.25
$\sigma_M(knownw)$	63.04	95.41	53.36	39.68
$\mu_M(stopw)$	51.97	64.96	50.62	42.30
$\sigma_M(stopw)$	51.67	65.12	48.83	40.97
$\mu_M(puncts)$	39.91	59.69	38.58	22.42
$\sigma_M(puncts)$	64.02	115.26	46.13	20.18
$\mu_M(chars)$	902.93	1317.38	856.96	605.54
$\sigma_M(chars)$	1004.60	1459.03	860.78	683.61

TABLE S108. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 15

	g.	p.	i.	h.
$msgs$	970	142	381	447
$msgs_{\%}$	100.00	14.64	39.28	46.08
$\mu_M(sents)$	7.48	10.82	6.82	6.97
$\sigma_M(sents)$	12.86	20.48	5.30	14.05
$\mu_M(tokens)$	239.09	533.75	217.79	163.65
$\sigma_M(tokens)$	500.31	1021.12	288.34	327.74
$\mu_M(knownw)$	68.18	149.68	62.45	47.18
$\sigma_M(knownw)$	145.82	315.73	82.84	77.74
$\mu_M(stopw)$	46.18	71.75	44.36	39.60
$\sigma_M(stopw)$	69.81	134.44	41.53	55.76
$\mu_M(puncts)$	71.92	181.29	64.26	43.70
$\sigma_M(puncts)$	204.52	428.20	124.45	121.15
$\mu_M(chars)$	999.15	2129.11	913.90	712.85
$\sigma_M(chars)$	1904.00	3769.90	1033.08	1395.90

TABLE S109. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 16

	g.	p.	i.	h.
$msgs$	1000	109	318	573
$msgs_{\%}$	100.00	10.90	31.80	57.30
$\mu_M(sents)$	4.32	5.10	4.75	3.93
$\sigma_M(sents)$	4.46	5.05	5.01	3.94
$\mu_M(tokens)$	151.53	154.29	187.84	130.86
$\sigma_M(tokens)$	299.60	323.47	361.27	251.31
$\mu_M(knownw)$	38.82	39.06	46.74	34.38
$\sigma_M(knownw)$	58.92	55.27	75.26	47.75
$\mu_M(stopw)$	28.52	28.23	33.64	25.74
$\sigma_M(stopw)$	30.87	22.48	39.72	25.87
$\mu_M(puncts)$	44.81	44.77	56.50	38.33
$\sigma_M(puncts)$	123.69	144.09	135.01	111.88
$\mu_M(chars)$	628.93	644.19	772.97	546.08
$\sigma_M(chars)$	1142.63	1136.70	1424.91	942.09

TABLE S110. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 17

	g.	p.	i.	h.
$msgs$	996	91	259	646
$msgs_{\%}$	100.00	9.14	26.00	64.86
$\mu_M(sents)$	7.83	5.86	7.29	8.33
$\sigma_M(sents)$	8.20	5.55	7.99	8.53
$\mu_M(tokens)$	205.31	276.57	190.04	201.39
$\sigma_M(tokens)$	271.08	413.07	248.48	252.35
$\mu_M(knownw)$	63.08	79.02	56.02	63.67
$\sigma_M(knownw)$	79.93	107.75	71.93	78.00
$\mu_M(stopw)$	60.74	46.00	53.12	65.87
$\sigma_M(stopw)$	72.63	49.37	68.03	76.51
$\mu_M(puncts)$	43.20	89.12	40.15	37.95
$\sigma_M(puncts)$	87.55	192.34	66.22	67.24
$\mu_M(chars)$	924.07	1089.49	872.41	921.48
$\sigma_M(chars)$	1165.79	1382.27	1173.69	1126.51

TABLE S111. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 18

	g.	p.	i.	h.
$msgs$	999	119	299	581
$msgs_{\%}$	100.00	11.91	29.93	58.16
$\mu_M(sents)$	5.33	4.92	3.89	6.16
$\sigma_M(sents)$	6.04	6.77	3.46	6.73
$\mu_M(tokens)$	117.63	184.12	86.10	120.23
$\sigma_M(tokens)$	199.33	450.51	83.32	147.48
$\mu_M(knownw)$	36.12	47.47	25.84	39.08
$\sigma_M(knownw)$	55.92	110.52	26.68	49.18
$\mu_M(stopw)$	36.89	35.31	24.87	43.41
$\sigma_M(stopw)$	50.33	62.86	28.15	54.96
$\mu_M(puncts)$	24.35	59.23	18.83	20.04
$\sigma_M(puncts)$	75.30	203.57	20.36	27.66
$\mu_M(chars)$	512.61	747.73	375.55	534.98
$\sigma_M(chars)$	797.73	1653.93	370.41	664.71

TABLE S112. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 19

2. Snapshots of 2000 messages

	g.	p.	i.	h.
$msgs$	2000	186	822	992
$msgs_{\%}$	100.00	9.30	41.10	49.60
$\mu_M(sents)$	5.11	5.72	5.49	4.68
$\sigma_M(sents)$	9.33	8.99	12.92	4.67
$\mu_M(tokens)$	125.53	133.51	131.60	119.00
$\sigma_M(tokens)$	259.49	288.74	357.60	118.63
$\mu_M(knownw)$	40.26	41.17	42.06	38.60
$\sigma_M(knownw)$	72.41	84.93	95.40	40.89
$\mu_M(stopw)$	37.90	35.41	38.91	37.53
$\sigma_M(stopw)$	54.68	52.86	66.73	42.58
$\mu_M(puncts)$	27.86	32.71	29.56	25.55
$\sigma_M(puncts)$	95.60	111.25	136.53	25.47
$\mu_M(chars)$	571.03	612.19	603.15	536.70
$\sigma_M(chars)$	1233.47	1381.41	1703.99	548.91

TABLE S113. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 0

	g.	p.	i.	h.
$msgs$	1978	277	956	745
$msgs_{\%}$	100.00	14.00	48.33	37.66
$\mu_M(sents)$	6.19	6.06	6.26	6.16
$\sigma_M(sents)$	3.49	3.81	3.84	2.84
$\mu_M(tokens)$	121.82	113.81	126.51	118.78
$\sigma_M(tokens)$	117.10	73.74	108.11	139.03
$\mu_M(knownw)$	24.84	23.62	26.00	23.80
$\sigma_M(knownw)$	17.94	14.60	19.70	16.56
$\mu_M(stopw)$	8.29	7.40	8.71	8.08
$\sigma_M(stopw)$	5.27	4.75	5.88	4.53
$\mu_M(puncts)$	36.07	33.27	36.43	36.65
$\sigma_M(puncts)$	41.09	23.54	36.87	50.29
$\mu_M(chars)$	550.26	520.45	572.39	532.94
$\sigma_M(chars)$	502.46	340.76	477.30	577.53

TABLE S114. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 2

	g.	p.	i.	h.
$msgs$	2000	274	636	1090
$msgs_{\%}$	100.00	13.70	31.80	54.50
$\mu_M(sents)$	7.09	7.94	7.59	6.58
$\sigma_M(sents)$	5.62	5.93	5.68	5.45
$\mu_M(tokens)$	152.26	178.49	180.37	129.27
$\sigma_M(tokens)$	252.69	209.23	253.03	260.06
$\mu_M(knownw)$	43.16	50.64	49.62	37.50
$\sigma_M(knownw)$	47.08	52.97	48.49	43.82
$\mu_M(stopw)$	36.54	42.61	41.86	31.90
$\sigma_M(stopw)$	35.99	40.73	36.45	33.72
$\mu_M(puncts)$	36.37	43.04	45.64	29.29
$\sigma_M(puncts)$	93.56	77.23	107.27	87.95
$\mu_M(chars)$	656.35	772.59	765.20	563.62
$\sigma_M(chars)$	886.58	854.25	928.82	858.20

TABLE S115. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 3

	g.	p.	i.	h.
$msgs$	1272	151	607	514
$msgs_{\%}$	100.00	11.87	47.72	40.41
$\mu_M(sents)$	5.14	7.56	4.72	4.92
$\sigma_M(sents)$	9.82	26.16	4.03	4.07
$\mu_M(tokens)$	105.95	145.41	94.49	107.88
$\sigma_M(tokens)$	192.95	478.80	95.12	116.10
$\mu_M(knownw)$	18.88	36.24	15.39	17.91
$\sigma_M(knownw)$	71.84	201.30	18.07	19.46
$\mu_M(stopw)$	9.54	26.20	7.42	7.14
$\sigma_M(stopw)$	59.87	170.62	11.66	8.09
$\mu_M(puncts)$	27.47	31.28	24.98	29.29
$\sigma_M(puncts)$	37.59	66.30	29.33	34.28
$\mu_M(chars)$	515.98	704.07	460.52	526.22
$\sigma_M(chars)$	955.93	2397.08	447.87	567.75

TABLE S116. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 7

	g.	p.	i.	h.
$msgs$	884	145	236	503
$msgs_{\%}$	100.00	16.40	26.70	56.90
$\mu_M(sents)$	4.51	5.19	4.14	4.48
$\sigma_M(sents)$	4.19	5.25	3.33	4.18
$\mu_M(tokens)$	108.20	136.45	102.52	102.72
$\sigma_M(tokens)$	119.27	159.06	101.87	112.08
$\mu_M(knownw)$	33.83	39.05	33.07	32.68
$\sigma_M(knownw)$	36.10	43.03	32.80	35.25
$\mu_M(stopw)$	30.39	34.38	28.94	29.93
$\sigma_M(stopw)$	33.34	38.85	30.07	32.99
$\mu_M(puncts)$	24.27	30.71	22.44	23.28
$\sigma_M(puncts)$	34.04	48.35	28.14	31.24
$\mu_M(chars)$	475.02	608.93	457.81	444.49
$\sigma_M(chars)$	523.80	680.06	468.75	489.43

TABLE S117. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 8

	g.	**p.**	**i.**	**h.**
$msgs$	776	103	316	357
$msgs_{\%}$	100.00	13.27	40.72	46.01
$\mu_M(sents)$	7.49	13.67	5.73	7.26
$\sigma_M(sents)$	31.78	85.39	6.02	6.82
$\mu_M(tokens)$	300.69	1294.27	132.87	162.59
$\sigma_M(tokens)$	3300.48	8985.97	156.94	175.05
$\mu_M(knownw)$	76.14	261.61	42.30	52.58
$\sigma_M(knownw)$	630.29	1713.00	52.30	54.85
$\mu_M(stopw)$	48.87	61.83	41.61	51.56
$\sigma_M(stopw)$	129.14	325.73	52.84	55.37
$\mu_M(puncts)$	84.77	456.76	25.34	30.06
$\sigma_M(puncts)$	1320.11	3600.05	32.80	42.29
$\mu_M(chars)$	1248.17	4746.09	628.80	787.20
$\sigma_M(chars)$	11483.70	31226.23	761.31	856.46

TABLE S118. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 10

	g.	**p.**	**i.**	**h.**
$msgs$	642	79	265	298
$msgs_{\%}$	100.00	12.31	41.28	46.42
$\mu_M(sents)$	12.93	8.25	15.17	12.18
$\sigma_M(sents)$	14.62	8.27	15.19	15.04
$\mu_M(tokens)$	314.51	197.11	379.42	287.90
$\sigma_M(tokens)$	372.21	217.94	387.37	379.90
$\mu_M(knownw)$	96.73	60.51	115.25	89.87
$\sigma_M(knownw)$	113.72	70.00	119.12	115.09
$\mu_M(stopw)$	101.25	65.18	121.96	92.40
$\sigma_M(stopw)$	121.57	75.98	126.83	123.27
$\mu_M(puncts)$	54.36	35.08	64.19	50.73
$\sigma_M(puncts)$	62.93	36.68	64.42	65.48
$\mu_M(chars)$	1454.81	915.65	1764.81	1322.06
$\sigma_M(chars)$	1705.27	1020.58	1787.75	1722.31

TABLE S119. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 11

	g.	**p.**	**i.**	**h.**
$msgs$	490	111	284	95
$msgs_{\%}$	100.00	22.65	57.96	19.39
$\mu_M(sents)$	9.28	11.29	9.27	6.96
$\sigma_M(sents)$	10.08	11.09	10.01	8.45
$\mu_M(tokens)$	246.46	332.53	232.48	187.68
$\sigma_M(tokens)$	339.87	472.19	300.97	227.60
$\mu_M(knownw)$	73.19	95.14	69.46	58.69
$\sigma_M(knownw)$	92.11	125.30	80.92	70.90
$\mu_M(stopw)$	62.43	77.40	59.81	52.75
$\sigma_M(stopw)$	62.25	63.25	60.89	62.08
$\mu_M(puncts)$	48.85	59.48	48.53	37.38
$\sigma_M(puncts)$	78.51	84.49	81.95	55.74
$\mu_M(chars)$	1116.57	1510.50	1049.00	858.29
$\sigma_M(chars)$	1452.95	1975.69	1289.54	1046.40

TABLE S120. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 15

F. POS tags

1. Snapshots of 1000 messages

	g.	p.	i.	h.
NOUN	25.93	26.17	26.79	25.37
X	0.11	0.15	0.14	0.08
ADP	12.14	12.10	11.42	12.56
DET	11.87	11.84	11.65	12.01
VERB	21.95	22.22	21.96	21.89
ADJ	5.76	5.52	5.76	5.81
ADV	7.46	6.89	7.24	7.71
PRT	3.97	4.39	3.95	3.89
PRON	6.91	6.94	7.27	6.69
NUM	0.58	0.58	0.65	0.55
CONJ	3.32	3.19	3.18	3.43
PUNC	0.00	0.00	0.00	0.00

TABLE S121. POS tags in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags[?] : VERB - verbs (all tenses and modes); NOUN - nouns (common and proper); PRON - pronouns; ADJ - adjectives; ADV - adverbs; ADP - adpositions (prepositions and postpositions); CONJ - conjunctions; DET - determiners; NUM - cardinal numbers; PRT - particles or other function words; X - other: foreign words, typos, abbreviations; PUNCT - punctuation. TAG: 0

	g.	p.	i.	h.
NOUN	66.25	68.06	68.43	64.31
X	0.22	0.23	0.25	0.19
ADP	10.92	8.85	11.08	11.52
DET	4.89	4.07	4.72	5.27
VERB	8.61	8.92	7.76	9.03
ADJ	2.28	3.21	1.87	2.22
ADV	0.77	0.95	0.43	0.92
PRT	3.93	3.38	3.95	4.10
PRON	0.68	0.58	0.37	0.91
NUM	1.13	1.43	0.91	1.15
CONJ	0.32	0.31	0.22	0.38
PUNC	0.00	0.00	0.00	0.00

TABLE S122. POS tags in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags[?] : VERB - verbs (all tenses and modes); NOUN - nouns (common and proper); PRON - pronouns; ADJ - adjectives; ADV - adverbs; ADP - adpositions (prepositions and postpositions); CONJ - conjunctions; DET - determiners; NUM - cardinal numbers; PRT - particles or other function words; X - other: foreign words, typos, abbreviations; PUNCT - punctuation. TAG: 2

	g.	p.	i.	h.
NOUN	30.58	31.87	30.74	30.03
X	0.13	0.13	0.17	0.08
ADP	11.88	11.48	12.20	11.63
DET	11.22	10.31	10.43	12.39
VERB	21.54	21.48	21.42	21.69
ADJ	5.76	5.79	5.67	5.85
ADV	6.36	6.00	6.48	6.32
PRT	3.76	3.89	3.60	3.91
PRON	5.77	5.82	5.95	5.54
NUM	0.80	0.83	0.81	0.78
CONJ	2.20	2.39	2.51	1.78
PUNC	0.00	0.00	0.00	0.00

TABLE S123. POS tags in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags[?] : VERB - verbs (all tenses and modes); NOUN - nouns (common and proper); PRON - pronouns; ADJ - adjectives; ADV - adverbs; ADP - adpositions (prepositions and postpositions); CONJ - conjunctions; DET - determiners; NUM - cardinal numbers; PRT - particles or other function words; X - other: foreign words, typos, abbreviations; PUNCT - punctuation. TAG: 3

	g.	p.	i.	h.
NOUN	36.80	38.78	37.06	28.71
X	0.12	0.13	0.16	0.06
ADP	9.40	8.90	9.29	11.49
DET	9.40	9.22	8.41	10.61
VERB	20.44	19.91	19.61	22.99
ADJ	6.53	6.61	6.61	6.19
ADV	5.40	5.45	4.04	5.91
PRT	2.60	2.34	2.59	3.63
PRON	5.70	5.27	6.82	6.85
NUM	1.17	0.91	3.36	1.10
CONJ	2.44	2.48	2.05	2.46
PUNC	0.00	0.00	0.00	0.00

TABLE S124. POS tags in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags[?] : VERB - verbs (all tenses and modes); NOUN - nouns (common and proper); PRON - pronouns; ADJ - adjectives; ADV - adverbs; ADP - adpositions (prepositions and postpositions); CONJ - conjunctions; DET - determiners; NUM - cardinal numbers; PRT - particles or other function words; X - other: foreign words, typos, abbreviations; PUNCT - punctuation. TAG: 6

	g.	p.	i.	h.
NOUN	56.41	54.30	58.05	55.29
X	2.83	2.74	2.65	3.08
ADP	2.94	3.00	2.44	3.52
DET	14.58	12.50	14.72	15.24
VERB	9.65	12.30	8.99	9.38
ADJ	7.82	7.93	7.93	7.64
ADV	1.33	2.10	1.15	1.24
PRT	1.81	1.92	1.59	2.04
PRON	1.06	0.58	1.08	1.23
NUM	1.30	2.19	1.15	1.12
CONJ	0.27	0.44	0.24	0.22
PUNC	0.00	0.00	0.00	0.00

TABLE S125. POS tags in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags[?] : VERB - verbs (all tenses and modes); NOUN - nouns (common and proper); PRON - pronouns; ADJ - adjectives; ADV - adverbs; ADP - adpositions (prepositions and postpositions); CONJ - conjunctions; DET - determiners; NUM - cardinal numbers; PRT - particles or other function words; X - other: foreign words, typos, abbreviations; PUNCT - punctuation. TAG: 7

	g.	p.	i.	h.
NOUN	29.47	50.14	25.23	23.74
X	0.22	0.77	0.11	0.06
ADP	11.36	8.17	12.04	12.24
DET	10.26	8.06	11.50	10.51
VERB	21.12	14.58	22.56	22.90
ADJ	5.57	5.45	5.39	5.70
ADV	7.91	3.27	8.36	9.43
PRT	3.64	2.54	4.10	3.85
PRON	6.54	4.33	6.66	7.30
NUM	1.26	0.85	1.15	1.46
CONJ	2.64	1.85	2.89	2.81
PUNC	0.00	0.00	0.00	0.00

TABLE S126. POS tags in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags[?] : VERB - verbs (all tenses and modes); NOUN - nouns (common and proper); PRON - pronouns; ADJ - adjectives; ADV - adverbs; ADP - adpositions (prepositions and postpositions); CONJ - conjunctions; DET - determiners; NUM - cardinal numbers; PRT - particles or other function words; X - other: foreign words, typos, abbreviations; PUNCT - punctuation. TAG: 8

	g.	p.	i.	h.
NOUN	29.04	31.04	29.93	25.39
X	0.17	0.22	0.16	0.13
ADP	11.97	11.09	11.46	13.74
DET	11.52	11.09	11.46	12.12
VERB	21.76	21.54	21.36	22.58
ADJ	5.64	5.64	6.01	5.14
ADV	6.13	5.40	6.18	6.97
PRT	3.74	3.70	3.87	3.61
PRON	6.22	6.18	6.04	6.50
NUM	0.66	0.72	0.60	0.68
CONJ	3.14	3.38	2.94	3.12
PUNC	0.00	0.00	0.00	0.00

TABLE S127. POS tags in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags[?] : VERB - verbs (all tenses and modes); NOUN - nouns (common and proper); PRON - pronouns; ADJ - adjectives; ADV - adverbs; ADP - adpositions (prepositions and postpositions); CONJ - conjunctions; DET - determiners; NUM - cardinal numbers; PRT - particles or other function words; X - other: foreign words, typos, abbreviations; PUNCT - punctuation. TAG: 9

	g.	p.	i.	h.
NOUN	27.23	31.28	27.43	24.40
X	0.45	0.57	0.43	0.40
ADP	12.51	12.04	12.89	12.00
DET	11.52	10.67	12.02	10.99
VERB	21.56	20.18	20.85	23.88
ADJ	6.93	7.45	6.92	6.64
ADV	6.23	5.32	6.22	6.80
PRT	3.79	3.21	3.75	4.24
PRON	6.32	5.50	6.04	7.38
NUM	0.55	0.44	0.58	0.54
CONJ	2.91	3.32	2.86	2.75
PUNC	0.00	0.00	0.00	0.00

TABLE S128. POS tags in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags[?] : VERB - verbs (all tenses and modes); NOUN - nouns (common and proper); PRON - pronouns; ADJ - adjectives; ADV - adverbs; ADP - adpositions (prepositions and postpositions); CONJ - conjunctions; DET - determiners; NUM - cardinal numbers; PRT - particles or other function words; X - other: foreign words, typos, abbreviations; PUNCT - punctuation. TAG: 10

	g.	p.	i.	h.
NOUN	26.68	27.95	28.60	23.87
X	0.30	0.33	0.30	0.29
ADP	14.64	14.17	15.05	14.15
DET	13.35	13.13	13.24	13.52
VERB	18.52	18.71	17.58	19.77
ADJ	7.60	7.57	7.73	7.42
ADV	6.95	6.68	6.43	7.69
PRT	2.97	2.52	2.82	3.23
PRON	5.30	4.83	4.35	6.67
NUM	0.75	0.83	0.83	0.63
CONJ	2.95	3.29	3.06	2.76
PUNC	0.00	0.00	0.00	0.00

TABLE S129. POS tags in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags[?] : VERB - verbs (all tenses and modes); NOUN - nouns (common and proper); PRON - pronouns; ADJ - adjectives; ADV - adverbs; ADP - adpositions (prepositions and postpositions); CONJ - conjunctions; DET - determiners; NUM - cardinal numbers; PRT - particles or other function words; X - other: foreign words, typos, abbreviations; PUNCT - punctuation. TAG: 11

	g.	p.	i.	h.
NOUN	35.49	36.23	35.21	35.46
X	0.15	0.18	0.16	0.12
ADP	10.86	10.76	10.98	10.72
DET	11.01	11.57	10.73	11.08
VERB	21.22	20.37	21.07	22.16
ADJ	5.36	5.14	5.52	5.26
ADV	4.79	4.77	4.79	4.78
PRT	3.35	3.18	3.38	3.42
PRON	4.84	4.58	5.15	4.45
NUM	0.55	0.81	0.51	0.44
CONJ	2.38	2.44	2.50	2.12
PUNC	0.00	0.00	0.00	0.00

TABLE S130. POS tags in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags[?] : VERB - verbs (all tenses and modes); NOUN - nouns (common and proper); PRON - pronouns; ADJ - adjectives; ADV - adverbs; ADP - adpositions (prepositions and postpositions); CONJ - conjunctions; DET - determiners; NUM - cardinal numbers; PRT - particles or other function words; X - other: foreign words, typos, abbreviations; PUNCT - punctuation. TAG: 12

	g.	p.	i.	h.
NOUN	34.47	47.44	29.78	24.21
X	0.41	0.72	0.09	0.19
ADP	11.11	9.60	11.44	12.33
DET	11.02	10.30	10.64	11.66
VERB	18.35	12.49	22.55	22.79
ADJ	5.82	5.44	5.96	6.12
ADV	6.40	3.71	6.27	8.64
PRT	3.07	2.53	3.32	3.50
PRON	5.68	4.11	6.44	6.91
NUM	0.80	0.93	0.96	0.67
CONJ	2.86	2.74	2.55	2.99
PUNC	0.00	0.00	0.00	0.00

TABLE S131. POS tags in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags[?] : VERB - verbs (all tenses and modes); NOUN - nouns (common and proper); PRON - pronouns; ADJ - adjectives; ADV - adverbs; ADP - adpositions (prepositions and postpositions); CONJ - conjunctions; DET - determiners; NUM - cardinal numbers; PRT - particles or other function words; X - other: foreign words, typos, abbreviations; PUNCT - punctuation. TAG: 13

	g.	p.	i.	h.
NOUN	31.95	38.91	29.86	26.68
X	0.15	0.35	0.08	0.06
ADP	11.47	10.42	11.67	12.83
DET	11.56	10.71	11.81	12.29
VERB	21.13	18.82	21.99	22.04
ADJ	4.89	4.55	4.97	5.25
ADV	5.39	4.26	5.57	7.07
PRT	3.83	3.43	3.99	3.92
PRON	5.85	5.10	6.10	6.28
NUM	1.00	0.85	1.08	0.88
CONJ	2.78	2.60	2.88	2.71
PUNC	0.00	0.00	0.00	0.00

TABLE S132. POS tags in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags[?] : VERB - verbs (all tenses and modes); NOUN - nouns (common and proper); PRON - pronouns; ADJ - adjectives; ADV - adverbs; ADP - adpositions (prepositions and postpositions); CONJ - conjunctions; DET - determiners; NUM - cardinal numbers; PRT - particles or other function words; X - other: foreign words, typos, abbreviations; PUNCT - punctuation. TAG: 15

	g.	p.	i.	h.
NOUN	36.14	49.77	32.27	28.41
X	0.63	0.94	0.67	0.33
ADP	10.52	8.21	10.97	12.05
DET	9.62	7.84	9.88	10.89
VERB	20.13	15.75	21.14	22.88
ADJ	4.93	4.09	5.17	5.40
ADV	6.15	3.75	6.76	7.60
PRT	3.36	2.51	3.95	3.46
PRON	5.08	3.99	5.72	5.34
NUM	1.04	1.11	1.02	1.01
CONJ	2.38	2.04	2.43	2.63
PUNC	0.00	0.00	0.00	0.00

TABLE S133. POS tags in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags[?] : VERB - verbs (all tenses and modes); NOUN - nouns (common and proper); PRON - pronouns; ADJ - adjectives; ADV - adverbs; ADP - adpositions (prepositions and postpositions); CONJ - conjunctions; DET - determiners; NUM - cardinal numbers; PRT - particles or other function words; X - other: foreign words, typos, abbreviations; PUNCT - punctuation. TAG: 16

	g.	p.	i.	h.
NOUN	34.66	36.42	35.75	33.44
X	0.11	0.14	0.10	0.11
ADP	10.41	10.58	10.06	10.64
DET	9.53	8.75	9.38	9.82
VERB	21.89	21.10	22.03	21.96
ADJ	5.79	5.32	5.84	5.85
ADV	5.71	5.17	5.61	5.90
PRT	3.19	3.31	3.17	3.18
PRON	5.31	5.53	4.89	5.59
NUM	0.95	1.01	0.73	1.11
CONJ	2.46	2.68	2.45	2.42
PUNC	0.00	0.00	0.00	0.00

TABLE S134. POS tags in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags[?] : VERB - verbs (all tenses and modes); NOUN - nouns (common and proper); PRON - pronouns; ADJ - adjectives; ADV - adverbs; ADP - adpositions (prepositions and postpositions); CONJ - conjunctions; DET - determiners; NUM - cardinal numbers; PRT - particles or other function words; X - other: foreign words, typos, abbreviations; PUNCT - punctuation. TAG: 17

	g.	p.	i.	h.
NOUN	26.73	42.97	28.30	23.87
X	0.21	0.16	0.39	0.16
ADP	11.91	8.94	11.60	12.44
DET	11.99	9.29	11.25	12.63
VERB	21.60	17.01	21.59	22.25
ADJ	6.31	6.37	6.25	6.33
ADV	7.49	5.09	7.33	7.89
PRT	3.86	2.56	3.70	4.10
PRON	6.08	4.30	5.87	6.41
NUM	0.84	1.01	0.81	0.82
CONJ	2.98	2.30	2.91	3.10
PUNC	0.00	0.00	0.00	0.00

TABLE S135. POS tags in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags[?] : VERB - verbs (all tenses and modes); NOUN - nouns (common and proper); PRON - pronouns; ADJ - adjectives; ADV - adverbs; ADP - adpositions (prepositions and postpositions); CONJ - conjunctions; DET - determiners; NUM - cardinal numbers; PRT - particles or other function words; X - other: foreign words, typos, abbreviations; PUNCT - punctuation. TAG: 18

	g.	p.	i.	h.
NOUN	23.67	37.15	24.28	20.56
X	0.07	0.12	0.13	0.04
ADP	12.04	10.91	11.90	12.33
DET	11.37	8.67	11.05	12.06
VERB	23.68	19.69	23.75	24.52
ADJ	6.00	5.74	6.12	6.02
ADV	7.52	5.27	7.19	8.12
PRT	4.04	3.15	3.73	4.33
PRON	7.88	5.47	8.08	8.34
NUM	0.73	1.02	0.64	0.70
CONJ	2.99	2.81	3.14	2.98
PUNC	0.00	0.00	0.00	0.00

TABLE S136. POS tags in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags[?] : VERB - verbs (all tenses and modes); NOUN - nouns (common and proper); PRON - pronouns; ADJ - adjectives; ADV - adverbs; ADP - adpositions (prepositions and postpositions); CONJ - conjunctions; DET - determiners; NUM - cardinal numbers; PRT - particles or other function words; X - other: foreign words, typos, abbreviations; PUNCT - punctuation. TAG: 19

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	g.	p.	i.	h.
NOUN	26.96	28.92	27.06	26.50
X	0.11	0.12	0.05	0.16
ADP	11.76	10.72	11.31	12.36
DET	12.02	11.94	11.88	12.17
VERB	22.08	22.46	22.47	21.65
ADJ	5.77	6.31	5.91	5.54
ADV	7.14	6.48	6.82	7.56
PRT	4.03	3.59	4.23	3.95
PRON	6.45	6.04	6.66	6.34
NUM	0.61	0.53	0.64	0.60
CONJ	3.06	2.89	2.97	3.17
PUNC	0.00	0.00	0.00	0.00

TABLE S137. POS tags in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags[?] : VERB - verbs (all tenses and modes); NOUN - nouns (common and proper); PRON - pronouns; ADJ - adjectives; ADV - adverbs; ADP - adpositions (prepositions and postpositions); CONJ - conjunctions; DET - determiners; NUM - cardinal numbers; PRT - particles or other function words; X - other: foreign words, typos, abbreviations; PUNCT - punctuation. TAG: 0

	g.	p.	i.	h.
NOUN	67.69	69.80	67.72	66.86
X	0.28	0.35	0.26	0.28
ADP	10.99	10.54	10.39	11.99
DET	4.79	4.25	4.78	5.00
VERB	7.63	7.53	7.71	7.57
ADJ	1.99	1.60	2.10	1.99
ADV	0.69	0.53	0.74	0.67
PRT	3.86	3.35	3.98	3.89
PRON	0.65	0.57	0.67	0.66
NUM	1.22	1.28	1.40	0.93
CONJ	0.21	0.18	0.25	0.16
PUNC	0.00	0.00	0.00	0.00

TABLE S138. POS tags in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags[?] : VERB - verbs (all tenses and modes); NOUN - nouns (common and proper); PRON - pronouns; ADJ - adjectives; ADV - adverbs; ADP - adpositions (prepositions and postpositions); CONJ - conjunctions; DET - determiners; NUM - cardinal numbers; PRT - particles or other function words; X - other: foreign words, typos, abbreviations; PUNCT - punctuation. TAG: 2

	g.	p.	i.	h.
NOUN	29.79	30.11	29.87	29.61
X	0.12	0.12	0.20	0.05
ADP	11.19	11.39	11.29	11.04
DET	10.91	10.48	10.19	11.62
VERB	21.65	21.35	21.64	21.76
ADJ	6.91	6.78	6.37	7.36
ADV	6.55	6.01	6.73	6.59
PRT	3.76	3.68	3.70	3.84
PRON	5.92	6.35	6.52	5.30
NUM	0.52	0.58	0.53	0.49
CONJ	2.69	3.15	2.95	2.34
PUNC	0.00	0.00	0.00	0.00

TABLE S139. POS tags in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags[?] : VERB - verbs (all tenses and modes); NOUN - nouns (common and proper); PRON - pronouns; ADJ - adjectives; ADV - adverbs; ADP - adpositions (prepositions and postpositions); CONJ - conjunctions; DET - determiners; NUM - cardinal numbers; PRT - particles or other function words; X - other: foreign words, typos, abbreviations; PUNCT - punctuation. TAG: 3

	g.	p.	i.	h.
NOUN	50.03	36.22	51.39	58.96
X	2.18	0.73	2.58	2.85
ADP	5.00	9.49	3.73	2.99
DET	14.24	12.44	15.95	13.78
VERB	12.19	17.24	11.42	9.23
ADJ	6.34	7.15	6.22	5.85
ADV	3.01	5.87	2.16	1.77
PRT	2.37	3.73	2.13	1.60
PRON	2.32	3.94	1.74	1.72
NUM	0.87	0.88	0.97	0.74
CONJ	1.44	2.31	1.71	0.52
PUNC	0.00	0.00	0.00	0.00

TABLE S140. POS tags in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags[?] : VERB - verbs (all tenses and modes); NOUN - nouns (common and proper); PRON - pronouns; ADJ - adjectives; ADV - adverbs; ADP - adpositions (prepositions and postpositions); CONJ - conjunctions; DET - determiners; NUM - cardinal numbers; PRT - particles or other function words; X - other: foreign words, typos, abbreviations; PUNCT - punctuation. TAG: 7

	g.	p.	i.	h.
NOUN	25.23	28.32	25.48	24.03
X	0.16	0.15	0.17	0.16
ADP	12.08	12.01	11.89	12.19
DET	10.86	10.95	11.18	10.67
VERB	22.54	20.96	22.97	22.89
ADJ	5.91	6.56	5.37	5.94
ADV	8.58	6.84	8.55	9.20
PRT	3.87	3.58	3.91	3.94
PRON	6.86	6.13	6.93	7.08
NUM	1.10	1.21	0.96	1.13
CONJ	2.82	3.29	2.58	2.76
PUNC	0.00	0.00	0.00	0.00

TABLE S141. POS tags in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags[?] : VERB - verbs (all tenses and modes); NOUN - nouns (common and proper); PRON - pronouns; ADJ - adjectives; ADV - adverbs; ADP - adpositions (prepositions and postpositions); CONJ - conjunctions; DET - determiners; NUM - cardinal numbers; PRT - particles or other function words; X - other: foreign words, typos, abbreviations; PUNCT - punctuation. TAG: 8

	g.	p.	i.	h.
NOUN	27.50	26.29	27.88	27.27
X	0.37	0.23	0.39	0.37
ADP	13.99	13.62	14.41	13.56
DET	12.47	12.94	12.66	12.17
VERB	18.71	19.95	18.29	18.97
ADJ	8.24	7.56	8.35	8.23
ADV	6.93	6.91	6.73	7.16
PRT	2.89	3.19	2.80	2.93
PRON	5.06	5.58	4.51	5.60
NUM	0.81	0.62	0.89	0.76
CONJ	3.05	3.10	3.09	2.98
PUNC	0.00	0.00	0.00	0.00

TABLE S143. POS tags in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags[?] : VERB - verbs (all tenses and modes); NOUN - nouns (common and proper); PRON - pronouns; ADJ - adjectives; ADV - adverbs; ADP - adpositions (prepositions and postpositions); CONJ - conjunctions; DET - determiners; NUM - cardinal numbers; PRT - particles or other function words; X - other: foreign words, typos, abbreviations; PUNCT - punctuation. TAG: 11

	g.	p.	i.	h.
NOUN	44.31	69.47	25.81	26.15
X	2.29	4.76	0.62	0.39
ADP	9.35	4.87	12.60	12.61
DET	8.22	4.19	11.26	11.06
VERB	15.09	6.37	21.76	21.19
ADJ	6.11	4.71	7.06	7.17
ADV	4.42	1.52	6.43	6.59
PRT	2.78	1.06	4.10	3.98
PRON	4.83	2.00	6.78	6.98
NUM	0.45	0.24	0.59	0.61
CONJ	2.16	0.81	2.97	3.27
PUNC	0.00	0.00	0.00	0.00

TABLE S142. POS tags in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags[?] : VERB - verbs (all tenses and modes); NOUN - nouns (common and proper); PRON - pronouns; ADJ - adjectives; ADV - adverbs; ADP - adpositions (prepositions and postpositions); CONJ - conjunctions; DET - determiners; NUM - cardinal numbers; PRT - particles or other function words; X - other: foreign words, typos, abbreviations; PUNCT - punctuation. TAG: 10

	g.	p.	i.	h.
NOUN	32.59	35.11	31.90	30.26
X	0.31	0.77	0.11	0.15
ADP	11.64	10.74	11.89	12.49
DET	11.36	11.10	11.44	11.52
VERB	20.82	20.14	21.18	20.82
ADJ	5.27	4.97	5.29	5.78
ADV	5.40	5.03	5.57	5.53
PRT	3.34	3.06	3.40	3.69
PRON	5.26	5.32	5.09	5.78
NUM	0.94	0.81	1.00	1.00
CONJ	3.06	2.94	3.14	2.99
PUNC	0.00	0.00	0.00	0.00

TABLE S144. POS tags in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags[?] : VERB - verbs (all tenses and modes); NOUN - nouns (common and proper); PRON - pronouns; ADJ - adjectives; ADV - adverbs; ADP - adpositions (prepositions and postpositions); CONJ - conjunctions; DET - determiners; NUM - cardinal numbers; PRT - particles or other function words; X - other: foreign words, typos, abbreviations; PUNCT - punctuation. TAG: 15

G. Wordnet synsets

1. Snapshots of 1000 messages

	g.	p.	i.	h.
N	54.73	54.69	54.14	55.09
ADJ	11.33	10.98	11.14	11.51
VERB	6.33	6.03	5.91	6.65
ADV	27.61	28.30	28.81	26.75
POS	32.80	31.22	33.19	32.92
POS!	96.27	96.18	96.26	96.29

TABLE S145. 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

TABLE S146. 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.
abstraction.n.06	72.61	73.69	71.37	73.10
physical_entity.n.01	27.39	26.31	28.63	26.90
total	100.00	100.00	100.00	100.00

TABLE S147. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 0

	g.	p.	i.	h.
psychological_feature.n.01	21.88	24.01	21.54	21.64
communication.n.02	20.48	20.40	19.82	20.88
object.n.01	15.50	14.09	15.71	15.66
measure.n.02	12.98	13.06	13.51	12.65
attribute.n.02	7.24	6.63	6.27	7.93
causal_agent.n.01	6.50	6.23	7.21	6.14
group.n.01	6.41	6.63	6.77	6.15
matter.n.03	4.39	5.36	4.65	4.05
relation.n.01	3.60	2.98	3.46	3.81
process.n.06	0.53	0.36	0.57	0.54
thing.n.12	0.48	0.28	0.50	0.51
set.n.02	0.02	0.00	0.00	0.03
total	100.00	100.00	100.00	100.00

TABLE S148. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 0

	g.	p.	i.	h.
cognition.n.01	15.35	16.35	14.56	15.61
whole.n.02	13.18	12.37	13.64	13.07
event.n.01	13.04	15.34	13.14	12.50
definite_quantity.n.01	12.99	13.00	13.18	12.88
message.n.02	11.91	10.51	11.24	12.59
person.n.01	8.44	8.23	9.23	8.02
location.n.01	5.87	5.10	5.97	5.96
written_communication.n.01	4.78	4.14	4.20	5.26
substance.n.01	4.42	5.79	5.09	3.75
state.n.02	3.92	3.98	3.69	4.04
collection.n.01	3.49	3.34	3.35	3.60
part.n.01	2.62	1.86	2.71	2.72
total	100.00	100.00	100.00	100.00

TABLE S149. 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.
public.a.01	29.61	26.04	31.73	28.98
like.a.01	13.21	20.71	10.95	13.16
new.a.01	11.82	8.88	15.77	9.93
different.a.01	7.62	5.92	7.05	8.31
chief.s.01	7.24	4.73	8.16	7.16
certain.a.02	5.78	5.33	5.01	6.35
first.a.01	4.70	7.10	3.90	4.73
good.a.01	4.38	7.10	3.53	4.39
able.a.01	4.38	7.69	4.64	3.58
specific.a.01	3.88	0.59	4.27	4.27
many.a.01	3.75	4.14	3.15	4.04
particular.s.01	3.62	1.78	1.86	5.08
total	100.00	100.00	100.00	100.00

TABLE S150. 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.
make.v.03	12.80	10.22	10.85	14.68
act.v.01	12.40	16.38	12.64	11.31
think.v.03	11.93	9.96	11.13	12.90
move.v.02	11.63	14.94	13.48	9.65
change.v.01	9.78	11.27	8.31	10.39
travel.v.01	8.14	9.17	8.17	7.88
get.v.01	7.23	9.70	8.45	5.85
change.v.02	6.90	5.24	8.22	6.44
use.v.01	5.93	4.33	6.39	6.01
desire.v.01	4.70	3.41	4.46	5.15
perceive.v.01	4.37	4.19	4.51	4.32
necessitate.v.01	4.19	1.18	3.38	5.42
total	100.00	100.00	100.00	100.00

TABLE S151. 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.
evaluate.v.02	18.66	15.22	17.74	20.04
interact.v.01	12.74	16.27	11.76	12.60
put.v.01	12.55	18.11	13.73	10.54
create_verbally.v.01	11.74	5.51	6.95	16.29
try.v.01	7.51	12.07	8.91	5.57
state.v.01	7.20	6.56	6.06	8.08
see.v.01	6.82	6.04	6.86	6.97
change_magnitude.v.01	6.14	4.20	6.95	6.03
send.v.01	4.77	3.41	8.11	2.87
look.v.02	4.70	4.99	5.17	4.34
keep.v.03	3.64	3.67	4.63	2.99
attach.v.01	3.52	3.94	3.12	3.69
total	100.00	100.00	100.00	100.00

TABLE S152. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 0

	g.	p.	i.	h.
communicate.v.02	18.72	24.21	18.91	17.42
write.v.01	18.24	8.33	11.80	24.09
think.v.01	11.32	7.14	11.65	12.05
install.v.01	10.35	21.83	11.65	7.11
increase.v.01	9.39	6.35	11.50	8.84
rate.v.01	6.29	5.56	8.62	5.11
expect.v.01	5.66	5.56	4.84	6.15
save.v.02	4.50	3.57	6.66	3.47
name.v.01	4.35	2.78	3.63	5.11
run.v.01	3.82	7.54	4.08	2.86
repair.v.01	3.77	2.78	2.57	4.68
read.v.01	3.58	4.37	4.08	3.12
total	100.00	100.00	100.00	100.00

TABLE S153. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 0

	g.	p.	i.	h.
inform.v.01	25.68	31.48	19.44	29.23
add.v.01	17.19	14.81	16.92	17.88
upgrade.v.01	12.60	12.96	14.39	11.15
record.v.01	9.08	8.33	11.11	7.69
submit.v.01	6.54	4.63	9.09	5.00
assume.v.01	4.59	8.33	1.77	5.96
see.v.05	4.39	1.85	5.05	4.42
post.v.01	4.30	8.33	5.05	2.88
overlap.v.01	4.30	1.85	5.05	4.23
think.v.02	4.00	2.78	5.05	3.46
replace.v.01	3.71	1.85	3.54	4.23
talk.v.02	3.61	2.78	3.54	3.85
total	100.00	100.00	100.00	100.00

TABLE S154. 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.
besides.r.02	14.40	17.70	20.95	10.40
still.r.01	12.07	5.31	16.55	11.09
possibly.r.01	10.34	10.62	9.80	10.57
well.r.01	9.84	9.73	8.11	10.75
already.r.01	8.01	20.35	4.39	7.45
even.r.01	7.00	6.19	7.43	6.93
yet.r.01	6.90	6.19	6.76	7.11
however.r.01	6.59	9.73	7.77	5.37
probably.r.01	6.39	5.31	4.73	7.45
truly.r.01	6.29	7.08	4.05	7.28
quite.r.01	6.09	0.88	4.39	7.97
actually.r.01	6.09	0.88	5.07	7.63
total	100.00	100.00	100.00	100.00

TABLE S155. 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.
N	87.53	86.73	89.05	86.90
ADJ	3.26	4.27	2.68	3.24
VERB	0.33	0.26	0.17	0.45
ADV	8.88	8.74	8.11	9.41
POS	22.53	22.94	22.42	22.44
POS!	96.32	95.68	96.34	96.55

TABLE S156. 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

TABLE S157. 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.
abstraction.n.06	64.40	63.60	62.39	65.94
physical_entity.n.01	35.60	36.40	37.61	34.06
total	100.00	100.00	100.00	100.00

TABLE S158. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 2

	g.	p.	i.	h.
communication.n.02	25.51	20.58	26.92	26.41
matter.n.03	17.08	18.60	17.92	16.00
psychological_feature.n.01	16.36	13.40	16.75	17.18
measure.n.02	11.84	14.91	8.72	12.69
causal_agent.n.01	9.52	7.83	9.96	9.85
object.n.01	8.59	9.41	9.39	7.80
attribute.n.02	7.97	10.10	7.45	7.53
relation.n.01	1.47	2.65	1.24	1.19
group.n.01	1.24	1.96	1.31	0.94
thing.n.12	0.22	0.30	0.20	0.20
process.n.06	0.20	0.27	0.13	0.21
total	100.00	100.00	100.00	100.00

TABLE S159. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 2

	g.	p.	i.	h.
message.n.02	23.95	17.85	25.54	25.06
substance.n.01	15.74	18.13	16.15	14.67
definite_quantity.n.01	11.47	14.61	8.73	12.09
event.n.01	11.00	9.95	11.31	11.17
person.n.01	10.16	8.57	10.50	10.49
whole.n.02	7.39	7.98	8.07	6.76
cognition.n.01	6.67	5.05	6.64	7.26
property.n.02	5.79	7.93	5.43	5.28
substance.n.07	2.48	2.50	2.77	2.29
state.n.02	2.24	2.38	2.11	2.28
location.n.01	1.58	2.25	1.64	1.31
signal.n.01	1.53	2.80	1.12	1.35
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: 2

	g.	p.	i.	h.
apt.s.01	20.91	20.83	30.61	16.74
net.a.01	12.59	13.89	6.12	14.98
capable.s.02	11.59	6.94	17.35	10.57
local.a.01	9.32	27.78	5.10	5.29
all_right.s.01	7.81	4.17	4.08	10.57
free.a.01	7.30	6.94	9.18	6.61
chief.s.01	6.30	9.72	9.18	3.96
best.a.01	6.05	2.78	3.06	8.37
anti.a.01	5.04	0.00	4.08	7.05
unstable.a.01	4.79	1.39	6.12	5.29
common.a.01	4.28	4.17	4.08	4.41
difficult.a.01	4.03	1.39	1.02	6.17
total	100.00	100.00	100.00	100.00

TABLE S161. 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.
act.v.01	58.75	49.08	64.83	58.71
move.v.02	8.36	8.90	7.03	8.92
travel.v.01	6.96	8.59	7.22	6.24
think.v.03	4.38	5.52	2.85	4.84
change.v.02	4.32	4.91	4.75	3.87
get.v.01	4.10	3.68	4.56	3.98
make.v.03	3.14	3.07	0.19	4.84
change.v.01	3.03	4.29	3.23	2.47
have.v.01	2.02	1.84	0.76	2.80
remove.v.01	1.91	2.45	2.09	1.61
make.v.01	1.68	3.99	1.71	0.86
designate.v.01	1.35	3.68	0.76	0.86
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: 2

	g.	p.	i.	h.
interact.v.01	72.55	68.27	85.42	67.35
evaluate.v.02	5.11	7.21	3.39	5.40
send.v.01	3.72	3.37	3.12	4.11
put.v.01	3.43	4.33	2.34	3.73
create_verbally.v.01	3.36	3.85	0.00	4.88
keep.v.03	2.63	2.88	1.04	3.34
change_magnitude.v.01	2.04	0.96	1.56	2.57
label.v.01	1.75	5.77	1.04	1.03
destroy.v.01	1.53	0.00	0.00	2.70
try.v.01	1.31	1.44	1.82	1.03
state.v.01	1.31	1.92	0.26	1.67
give.v.03	1.24	0.00	0.00	2.19
total	100.00	100.00	100.00	100.00

TABLE S163. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 2

	g.	p.	i.	h.
communicate.v.02	78.79	69.12	90.11	75.69
write.v.01	3.65	3.92	0.00	5.50
save.v.02	2.78	2.45	1.10	3.76
install.v.01	2.62	3.92	1.10	3.04
think.v.01	2.22	0.98	0.82	3.33
increase.v.01	2.14	0.98	1.65	2.75
name.v.01	1.91	5.88	1.10	1.16
rate.v.01	1.83	1.96	1.92	1.74
deny.v.01	1.11	4.90	1.10	0.00
convey.v.03	1.03	4.41	0.27	0.43
provide.v.02	0.95	0.00	0.00	1.74
read.v.01	0.95	1.47	0.82	0.87
total	100.00	100.00	100.00	100.00

TABLE S164. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 2

	g.	p.	i.	h.
reach.v.04	83.64	73.49	89.17	83.22
record.v.01	3.11	3.01	1.14	4.28
inform.v.01	3.02	9.64	2.85	1.32
see.v.05	2.22	1.20	0.85	3.29
upgrade.v.01	2.04	2.41	1.99	1.97
add.v.01	1.87	0.60	0.85	2.80
communicate.v.01	0.98	5.42	0.28	0.16
power.v.01	0.89	0.00	0.00	1.64
overlap.v.01	0.80	0.60	1.14	0.66
network.v.01	0.53	0.60	1.14	0.16
acknowledge.v.06	0.44	3.01	0.00	0.00
permit.v.01	0.44	0.00	0.57	0.49
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: 2

	g.	p.	i.	h.
never.r.01	11.90	16.67	28.57	6.90
typically.r.01	9.52	0.00	14.29	10.34
right.r.01	9.52	0.00	14.29	10.34
soon.r.01	9.52	0.00	0.00	13.79
back.r.01	9.52	33.33	14.29	3.45
forward.r.01	7.14	16.67	28.57	0.00
besides.r.02	7.14	16.67	0.00	6.90
precisely.r.01	7.14	16.67	0.00	6.90
subsequently.r.01	7.14	0.00	0.00	10.34
well.r.01	7.14	0.00	0.00	10.34
by_and_large.r.01	7.14	0.00	0.00	10.34
newly.r.01	7.14	0.00	0.00	10.34
total	100.00	100.00	100.00	100.00

TABLE S166. 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.
N	59.89	60.11	61.10	58.31
ADJ	10.45	10.20	10.29	10.73
VERB	5.14	4.34	4.88	5.70
ADV	24.53	25.35	23.72	25.27
POS	33.31	33.40	32.09	34.93
POS!	93.78	93.50	93.33	94.44

TABLE S167. 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

TABLE S168. 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.
abstraction.n.06	67.98	66.54	68.94	67.20
physical_entity.n.01	32.02	33.46	31.06	32.80
total	100.00	100.00	100.00	100.00

TABLE S169. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 3

	g.	p.	i.	h.
measure.n.02	19.35	18.06	22.53	15.62
psychological_feature.n.01	19.18	17.31	17.58	21.87
object.n.01	19.12	20.33	19.00	18.88
communication.n.02	16.42	18.50	16.52	15.62
causal_agent.n.01	7.03	7.83	6.67	7.23
attribute.n.02	6.84	6.45	6.35	7.60
matter.n.03	4.73	4.35	4.43	5.24
relation.n.01	3.14	2.99	3.10	3.25
group.n.01	3.05	3.22	2.85	3.24
thing.n.12	0.72	0.47	0.60	0.95
process.n.06	0.43	0.49	0.35	0.50
set.n.02	0.00	0.00	0.01	0.00
total	100.00	100.00	100.00	100.00

TABLE S170. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 3

	g.	p.	i.	h.
definite_quantity.n.01	20.32	18.86	23.85	16.08
event.n.01	17.51	15.85	15.23	21.13
whole.n.02	13.89	16.34	12.16	15.38
person.n.01	8.57	9.34	8.07	9.00
message.n.02	6.86	10.20	6.48	6.23
cognition.n.01	6.48	5.30	6.57	6.76
message.n.01	5.74	5.59	6.01	5.44
location.n.01	4.81	5.16	4.25	5.45
land.n.04	4.50	2.89	6.42	2.47
substance.n.01	4.21	4.10	3.84	4.74
written_communication.n.01	3.86	3.24	3.91	4.00
state.n.02	3.25	3.12	3.22	3.32
total	100.00	100.00	100.00	100.00

TABLE S171. 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.
net.a.01	39.36	41.72	32.55	46.15
like.a.01	11.52	9.20	14.80	8.68
new.a.01	10.06	8.28	12.25	8.24
general.a.01	7.31	16.56	8.04	3.19
high.a.01	7.05	3.99	5.59	9.78
certain.a.02	3.90	1.84	3.04	5.60
compact.a.01	3.63	3.99	3.33	3.85
good.a.01	3.59	0.92	3.33	4.84
chief.s.01	3.50	2.15	5.88	1.32
first.a.01	3.46	2.76	3.04	4.18
all_right.s.01	3.41	4.91	4.41	1.76
able.a.01	3.19	3.68	3.73	2.42
total	100.00	100.00	100.00	100.00

TABLE S172. 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.
act.v.01	12.91	12.06	13.10	12.98
transfer.v.05	12.35	11.71	9.27	15.85
travel.v.01	11.35	14.39	12.02	9.67
move.v.02	9.37	8.13	11.16	7.84
think.v.03	9.32	8.31	8.88	10.12
get.v.01	8.65	10.01	9.38	7.45
use.v.01	7.83	7.33	7.05	8.83
change.v.01	6.55	7.15	6.26	6.66
make.v.03	6.49	4.65	7.86	5.59
perceive.v.01	6.09	8.04	5.47	6.13
be.v.01	4.60	4.74	5.00	4.13
change.v.02	4.50	3.49	4.56	4.75
total	100.00	100.00	100.00	100.00

TABLE S173. 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.
give.v.03	22.13	20.99	17.03	27.68
interact.v.01	11.33	9.29	11.89	11.40
evaluate.v.02	10.55	10.26	11.35	9.82
see.v.01	9.85	12.82	8.88	9.92
travel_rapidly.v.01	8.85	12.66	10.38	6.12
try.v.01	7.56	8.81	7.04	7.70
put.v.01	6.77	6.57	7.67	5.92
state.v.01	5.79	5.13	6.21	5.57
look.v.02	5.03	5.45	6.02	3.90
reason.v.03	4.27	2.88	3.54	5.43
send.v.01	4.12	2.88	5.73	2.86
keep.v.03	3.76	2.24	4.27	3.70
total	100.00	100.00	100.00	100.00

TABLE S174. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 3

	g.	p.	i.	h.
support.v.02	30.92	31.97	22.96	38.91
communicate.v.02	15.73	15.03	16.60	15.02
run.v.01	13.96	21.58	16.01	9.65
think.v.01	5.49	3.28	6.21	5.37
calculate.v.01	5.25	3.01	4.49	6.69
read.v.01	4.82	1.91	7.11	3.27
expect.v.01	4.52	6.56	4.56	3.89
install.v.01	4.22	6.56	4.94	2.80
rebuild.v.01	4.05	0.55	5.39	3.66
increase.v.01	3.78	3.01	3.74	4.05
save.v.02	3.68	2.46	4.04	3.66
name.v.01	3.58	4.10	3.96	3.04
total	100.00	100.00	100.00	100.00

TABLE S175. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 3

	g.	p.	i.	h.
sponsor.v.01	52.35	53.42	43.18	59.88
inform.v.01	17.39	16.44	19.97	15.45
record.v.01	6.23	4.11	7.59	5.63
add.v.01	3.80	2.74	5.06	2.99
enumerate.v.01	3.46	8.22	4.08	1.68
assume.v.01	2.83	5.48	3.09	1.92
think.v.02	2.78	3.65	2.95	2.40
talk.v.02	2.66	1.37	3.80	2.04
unify.v.01	2.32	0.91	1.97	2.99
address.v.01	2.21	1.83	2.67	1.92
write.v.07	2.04	0.00	3.09	1.68
roll_up.v.02	1.93	1.83	2.53	1.44
total	100.00	100.00	100.00	100.00

TABLE S176. 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.
besides.r.02	17.44	16.94	20.15	14.65
well.r.01	16.85	12.10	12.52	22.66
still.r.01	9.77	9.68	12.70	6.64
possibly.r.01	9.44	11.29	9.62	8.79
truly.r.01	8.42	11.29	9.26	6.84
even.r.01	6.99	9.68	7.80	5.47
merely.r.01	6.66	6.45	3.09	10.55
never.r.01	5.98	4.84	6.53	5.66
however.r.01	4.80	5.65	5.08	4.30
right.r.01	4.72	5.65	3.27	6.05
far.r.01	4.63	2.42	4.17	5.66
back.r.01	4.30	4.03	5.81	2.73
total	100.00	100.00	100.00	100.00

TABLE S177. 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.
N	63.16	63.94	65.35	58.18
ADJ	10.16	9.98	10.06	11.02
VERB	4.13	4.27	2.25	4.65
ADV	22.55	21.80	22.34	26.15
POS	32.19	32.43	29.91	32.61
POS!	90.96	90.02	92.74	94.47

TABLE S178. 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

TABLE S179. 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.
abstraction.n.06	67.32	67.18	69.55	66.45
physical_entity.n.01	32.68	32.82	30.45	33.55
total	100.00	100.00	100.00	100.00

TABLE S180. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 6

	g.	p.	i.	h.
measure.n.02	16.62	14.03	30.39	20.30
object.n.01	16.43	16.22	14.39	18.97
psychological_feature.n.01	14.20	12.66	17.44	19.83
attribute.n.02	13.84	16.65	4.93	5.57
communication.n.02	13.76	14.05	9.59	15.22
matter.n.03	7.17	7.64	8.19	4.02
causal_agent.n.01	6.61	6.33	5.58	8.79
group.n.01	5.33	5.86	4.18	3.44
relation.n.01	3.57	3.93	3.03	2.08
thing.n.12	1.53	1.51	1.92	1.33
process.n.06	0.94	1.11	0.38	0.44
set.n.02	0.00	0.00	0.00	0.01
total	100.00	100.00	100.00	100.00

TABLE S181. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 6

	g.	p.	i.	h.
definite_quantity.n.01	17.70	14.35	34.59	21.71
whole.n.02	13.00	12.89	9.75	15.79
property.n.02	10.26	13.49	1.75	0.98
event.n.01	9.61	9.01	10.93	11.51
person.n.01	8.14	7.93	6.55	10.26
cognition.n.01	8.05	7.06	9.58	11.62
substance.n.01	7.60	8.16	8.99	3.98
location.n.01	6.94	7.31	6.77	5.32
message.n.02	6.21	5.43	5.10	10.66
signal.n.01	5.54	7.37	0.30	0.60
state.n.02	4.19	4.32	3.23	4.20
written_communication.n.01	2.77	2.68	2.49	3.38
total	100.00	100.00	100.00	100.00

TABLE S182. 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.
common.a.01	13.78	4.86	49.66	6.22
net.a.01	13.32	19.58	3.74	8.44
new.a.01	11.25	13.59	5.10	11.11
like.a.01	9.90	8.60	7.82	13.56
small.a.01	8.15	11.97	4.08	4.00
mobile.s.01	7.12	0.12	0.68	23.78
glib.s.01	7.05	1.50	26.19	4.44
mathematical.a.01	7.05	0.00	0.68	23.78
good.a.01	6.66	10.35	1.36	3.56
great.s.01	5.50	9.73	0.68	1.11
contrary.s.01	5.17	9.98	0.00	0.00
strong.a.01	5.05	9.73	0.00	0.00
total	100.00	100.00	100.00	100.00

TABLE S183. 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.
act.v.01	18.49	19.60	12.26	17.84
change.v.02	11.91	14.88	2.11	6.12
travel.v.01	11.02	11.40	10.25	10.01
express.v.02	10.70	13.75	2.91	3.42
move.v.02	9.43	10.32	6.93	7.42
think.v.03	7.50	7.36	5.63	9.13
make.v.03	6.42	4.60	10.35	11.19
change.v.01	6.36	5.90	3.62	9.72
be.v.01	5.15	5.36	5.53	4.12
include.v.01	4.58	0.96	27.84	5.01
get.v.01	4.36	4.05	4.12	5.71
use.v.01	4.08	1.82	8.44	10.31
total	100.00	100.00	100.00	100.00

TABLE S184. 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.
interact.v.01	22.03	20.57	22.22	30.77
state.v.01	19.89	22.67	8.71	8.95
reorient.v.03	11.41	14.26	0.30	0.00
evaluate.v.02	10.37	8.88	11.41	18.84
give.v.03	5.93	5.61	3.30	9.26
cover.v.03	5.14	6.44	0.00	0.00
keep.v.03	5.00	1.53	30.93	12.40
put.v.01	4.73	3.97	7.51	7.85
set_about.v.01	4.73	5.89	0.00	0.16
see.v.01	3.86	3.40	4.50	6.28
come.v.01	3.46	4.00	1.20	1.41
label.v.01	3.44	2.78	9.91	4.08
total	100.00	100.00	100.00	100.00

TABLE S185. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 6

	g.	p.	i.	h.
communicate.v.02	31.91	29.87	33.18	42.48
align.v.01	17.50	22.22	0.45	0.00
cross.v.05	7.86	10.00	0.00	0.00
confront.v.02	7.25	9.19	0.00	0.22
think.v.01	7.13	6.19	5.45	13.05
name.v.01	5.28	4.33	15.00	5.75
answer.v.01	4.61	5.63	0.45	1.11
store.v.01	4.23	0.36	30.45	12.61
cut.v.01	3.91	4.65	0.91	1.33
increase.v.01	3.63	2.67	3.18	9.07
support.v.02	3.34	3.40	3.64	2.88
run.v.01	3.34	1.50	7.27	11.50
total	100.00	100.00	100.00	100.00

TABLE S186. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 6

	g.	p.	i.	h.
inform.v.01	31.45	36.65	28.21	17.45
talk.v.02	9.73	14.21	0.00	1.87
roll_up.v.02	8.46	0.81	33.85	16.51
telecommunicate.v.01	7.40	0.20	1.03	33.33
ask.v.01	7.26	9.44	3.59	2.80
sponsor.v.01	7.00	8.53	4.10	4.05
communicate.v.01	5.80	7.51	5.13	0.93
record.v.01	5.33	2.23	18.46	6.85
talk.v.01	5.20	7.31	0.51	1.56
add.v.01	4.60	2.34	3.08	12.46
admit.v.01	4.33	6.60	0.00	0.00
believe.v.01	3.46	4.16	2.05	2.18
total	100.00	100.00	100.00	100.00

TABLE S187. 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.
besides.r.02	14.94	12.00	20.00	26.67
well.r.01	14.83	15.41	6.67	14.67
therefore.r.01	11.15	13.33	6.67	2.67
still.r.01	7.47	5.93	17.78	11.33
truly.r.01	7.36	6.37	11.11	10.67
right.r.01	6.90	8.15	4.44	2.00
even.r.01	6.44	6.22	0.00	9.33
never.r.01	6.32	6.67	4.44	5.33
however.r.01	6.21	5.48	11.11	8.00
always.r.01	6.21	6.81	0.00	5.33
indeed.r.01	6.21	8.00	0.00	0.00
long.r.01	5.98	5.63	17.78	4.00
total	100.00	100.00	100.00	100.00

TABLE S188. 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.
N	83.39	81.57	84.31	83.07
ADJ	9.77	8.97	9.77	10.14
VERB	0.23	0.50	0.21	0.14
ADV	6.61	8.97	5.71	6.65
POS	19.19	21.39	19.14	18.34
POS!	89.88	90.28	88.84	91.09

TABLE S189. 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

TABLE S190. 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.
abstraction.n.06	70.20	73.68	69.46	69.56
physical_entity.n.01	29.80	26.32	30.54	30.44
total	100.00	100.00	100.00	100.00

TABLE S191. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 7

	g.	p.	i.	h.
measure.n.02	23.38	33.02	22.93	19.43
communication.n.02	20.63	17.29	20.43	22.48
object.n.01	12.53	13.16	12.46	12.32
attribute.n.02	12.07	9.64	11.95	13.38
matter.n.03	9.30	6.33	10.17	9.54
psychological_feature.n.01	6.99	6.70	7.11	6.98
causal_agent.n.01	6.46	5.11	6.53	7.00
group.n.01	4.63	4.17	4.51	5.01
relation.n.01	2.49	2.86	2.52	2.27
thing.n.12	0.97	0.61	1.04	1.06
process.n.06	0.54	1.10	0.35	0.52
total	100.00	100.00	100.00	100.00

TABLE S192. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 7

	g.	p.	i.	h.
definite_quantity.n.01	24.93	34.96	24.85	20.45
written_communication.n.01	18.51	13.92	18.93	20.05
whole.n.02	11.08	12.50	11.06	10.45
shape.n.02	9.74	7.13	9.61	11.09
substance.n.01	8.65	5.76	9.12	9.34
person.n.01	5.81	5.03	5.70	6.31
event.n.01	5.17	4.93	5.26	5.16
social_group.n.01	4.50	2.98	4.58	5.09
state.n.02	3.27	3.66	3.01	3.42
cognition.n.01	2.97	2.98	3.06	2.85
message.n.02	2.76	3.37	2.49	2.85
location.n.01	2.62	2.78	2.32	2.93
total	100.00	100.00	100.00	100.00

TABLE S193. 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.
public.a.01	87.23	84.62	84.38	91.47
apt.s.01	2.44	4.95	3.63	0.19
net.a.01	2.29	2.75	3.79	0.37
all_right.s.01	1.25	0.55	0.63	2.23
ill.a.01	1.18	1.65	0.95	1.30
free.a.01	0.89	1.65	1.26	0.19
excess.s.01	0.89	1.10	0.47	1.30
chinese.a.01	0.81	0.00	1.74	0.00
available.a.01	0.81	1.65	0.32	1.11
new.a.01	0.74	0.55	1.26	0.19
cardinal.s.01	0.74	0.55	0.00	1.67
logical.a.01	0.74	0.00	1.58	0.00
total	100.00	100.00	100.00	100.00

TABLE S194. 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.
change.v.01	23.52	12.64	26.51	27.45
move.v.02	14.31	16.67	13.76	13.33
act.v.01	10.04	13.22	8.39	9.80
make.v.03	9.90	8.62	8.39	12.55
think.v.03	8.39	5.75	4.36	14.90
change.v.02	7.84	4.02	11.07	6.67
get.v.01	6.46	10.34	7.72	2.35
travel.v.01	4.95	7.47	3.36	5.10
make.v.01	3.99	6.32	4.36	1.96
necessitate.v.01	3.71	9.77	2.35	1.18
use.v.01	3.58	4.60	3.69	2.75
express.v.02	3.30	0.57	6.04	1.96
total	100.00	100.00	100.00	100.00

TABLE S195. 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.
damage.v.01	23.68	13.75	23.44	27.86
put.v.01	13.11	16.25	14.58	10.45
evaluate.v.02	12.47	11.25	6.25	18.91
interact.v.01	11.42	21.25	9.38	9.45
create_verbally.v.01	10.78	8.75	8.33	13.93
state.v.01	5.07	1.25	9.38	2.49
modify.v.01	4.86	1.25	7.29	3.98
keep.v.03	4.44	2.50	6.77	2.99
end.v.02	4.23	3.75	8.33	0.50
establish.v.01	3.38	5.00	1.04	4.98
travel_rapidly.v.01	3.38	5.00	3.65	2.49
send.v.01	3.17	10.00	1.56	1.99
total	100.00	100.00	100.00	100.00

TABLE S196. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 7

	g.	p.	i.	h.
mar.v.01	27.93	17.46	28.66	30.94
write.v.01	12.72	11.11	10.19	15.47
communicate.v.02	12.72	23.81	10.83	10.50
install.v.01	12.47	19.05	13.38	9.39
think.v.01	7.73	1.59	0.00	16.57
save.v.02	4.74	1.59	8.28	2.76
update.v.01	4.49	1.59	8.28	2.21
run.v.01	3.99	6.35	4.46	2.76
read.v.01	3.49	7.94	1.91	3.31
rate.v.01	3.49	4.76	3.82	2.76
name.v.01	3.24	4.76	2.55	3.31
break.v.10	2.99	0.00	7.64	0.00
total	100.00	100.00	100.00	100.00

TABLE S197. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 7

	g.	p.	i.	h.
inform.v.01	15.15	8.00	19.35	13.33
record.v.01	14.39	4.00	20.97	11.11
carry.v.04	13.64	52.00	0.00	11.11
upgrade.v.01	10.61	12.00	9.68	11.11
interrupt.v.01	9.09	0.00	19.35	0.00
adhere.v.06	7.58	4.00	1.61	17.78
communicate.v.01	7.58	4.00	6.45	11.11
enumerate.v.01	5.30	0.00	11.29	0.00
promise.v.01	4.55	0.00	3.23	8.89
grow.v.02	4.55	4.00	3.23	6.67
restrain.v.01	3.79	0.00	1.61	8.89
assume.v.01	3.79	12.00	3.23	0.00
total	100.00	100.00	100.00	100.00

TABLE S198. 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.
already.r.01	16.67	0.00	40.00	0.00
back.r.01	16.67	11.11	20.00	20.00
practically.r.01	12.50	33.33	0.00	0.00
normally.r.01	8.33	0.00	20.00	0.00
even.r.01	8.33	22.22	0.00	0.00
forward.r.01	8.33	0.00	0.00	40.00
probably.r.01	8.33	11.11	10.00	0.00
downriver.r.01	4.17	11.11	0.00	0.00
everlastingly.r.01	4.17	11.11	0.00	0.00
readily.r.01	4.17	0.00	10.00	0.00
still.r.01	4.17	0.00	0.00	20.00
literally.r.01	4.17	0.00	0.00	20.00
total	100.00	100.00	100.00	100.00

TABLE S199. 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.
N	58.77	74.95	55.26	52.55
ADJ	10.09	8.17	10.32	10.93
VERB	7.05	2.33	7.71	9.04
ADV	24.08	14.56	26.72	27.48
POS	32.49	31.71	33.30	32.51
POS!	94.78	92.60	94.90	95.81

TABLE S200. 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

TABLE S201. 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.
abstraction.n.06	67.39	68.44	66.20	67.24
physical_entity.n.01	32.61	31.56	33.80	32.76
total	100.00	100.00	100.00	100.00

TABLE S202. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 8

	g.	p.	i.	h.
measure.n.02	22.89	17.29	24.49	25.97
object.n.01	21.17	17.58	23.73	22.41
communication.n.02	13.53	17.01	10.89	12.41
psychological_feature.n.01	13.33	8.54	16.29	15.20
attribute.n.02	9.52	16.38	6.91	6.03
matter.n.03	6.25	8.50	4.18	5.70
group.n.01	5.27	6.78	5.06	4.34
causal_agent.n.01	4.14	4.33	4.91	3.62
relation.n.01	2.85	2.44	2.56	3.28
process.n.06	0.56	0.60	0.61	0.52
thing.n.12	0.49	0.54	0.37	0.51
total	100.00	100.00	100.00	100.00

TABLE S203. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 8

	g.	p.	i.	h.
definite_quantity.n.01	23.28	14.49	25.61	27.81
whole.n.02	21.81	15.45	24.58	24.57
event.n.01	9.34	6.16	11.41	10.38
cognition.n.01	7.08	5.07	8.26	7.80
substance.n.01	6.37	9.14	4.47	5.51
message.n.02	6.23	4.16	6.30	7.53
property.n.02	5.74	13.97	2.20	2.14
signal.n.01	4.60	13.03	0.62	1.10
location.n.01	4.28	7.09	4.16	2.53
person.n.01	4.24	5.28	4.67	3.37
written_communication.n.01	3.57	3.25	4.07	3.53
state.n.02	3.47	2.93	3.66	3.73
total	100.00	100.00	100.00	100.00

TABLE S204. 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.
like.a.01	19.42	4.23	24.00	24.55
new.a.01	15.73	6.51	20.36	18.07
public.a.01	13.64	34.53	6.55	6.93
initial.s.01	10.03	38.11	0.36	1.05
good.a.01	7.46	3.91	10.18	7.98
certain.a.02	5.70	2.61	6.91	6.63
least.a.01	5.30	3.26	2.91	7.23
last.s.01	5.30	1.95	10.55	4.67
old.a.01	4.49	0.33	6.18	5.72
current.a.01	4.33	1.30	4.00	5.87
much.a.01	4.33	1.30	4.73	5.57
possible.a.01	4.25	1.95	3.27	5.72
total	100.00	100.00	100.00	100.00

TABLE S205. 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.
act.v.01	13.52	24.86	12.55	11.14
change.v.01	11.27	6.13	13.45	11.63
think.v.03	9.88	5.81	11.25	10.31
make.v.03	9.72	8.00	7.76	10.96
move.v.02	9.56	7.89	10.09	9.74
change.v.02	9.02	16.10	8.41	7.54
travel.v.01	7.61	5.15	8.21	7.97
get.v.01	7.50	7.56	7.12	7.64
make.v.01	6.09	4.60	5.17	6.84
use.v.01	6.01	5.59	7.18	5.63
be.v.01	5.69	4.60	4.20	6.57
express.v.02	4.13	3.72	4.59	4.04
total	100.00	100.00	100.00	100.00

TABLE S206. 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.
evaluate.v.02	16.78	8.00	18.74	18.08
interact.v.01	14.90	18.50	18.01	12.77
construct.v.01	13.52	5.50	8.35	17.54
state.v.01	9.24	8.50	10.40	8.95
put.v.01	8.52	6.75	8.49	8.95
change_magnitude.v.01	6.96	2.75	9.52	6.92
see.v.01	6.16	5.75	7.03	5.91
look.v.02	5.65	4.25	5.12	6.21
keep.v.03	4.71	5.25	5.27	4.36
better.v.02	4.68	2.00	3.66	5.73
try.v.01	4.53	3.50	5.27	4.47
set_about.v.01	4.35	29.25	0.15	0.12
total	100.00	100.00	100.00	100.00

TABLE S207. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 8

	g.	p.	i.	h.
communicate.v.02	24.48	19.35	30.71	23.81
think.v.01	12.21	3.81	14.47	14.75
increase.v.01	11.34	2.72	15.99	12.89
confront.v.02	7.40	31.88	0.25	0.23
repair.v.01	6.97	1.63	5.08	10.10
align.v.01	6.54	28.88	0.00	0.00
test.v.01	5.92	1.36	8.38	6.74
install.v.01	5.61	3.00	5.58	6.74
update.v.01	5.24	0.82	3.55	7.90
expect.v.01	4.99	1.63	4.31	6.74
run.v.01	4.93	3.81	6.35	4.76
interrupt.v.04	4.38	1.09	5.33	5.34
total	100.00	100.00	100.00	100.00

TABLE S208. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 8

	g.	p.	i.	h.
inform.v.01	27.03	40.43	26.83	24.26
add.v.01	19.43	7.45	20.73	21.28
roll_up.v.02	8.88	11.70	7.32	9.15
record.v.01	7.46	9.57	7.32	7.09
propose.v.01	6.31	3.19	3.66	8.47
address.v.01	5.41	10.64	2.85	5.72
talk.v.02	4.76	4.26	6.10	4.12
unify.v.01	4.50	2.13	2.85	5.95
hang.v.02	4.25	0.00	8.54	2.75
ask.v.01	4.25	3.19	5.28	3.89
think.v.02	3.99	1.06	2.85	5.26
see.v.05	3.73	6.38	5.69	2.06
total	100.00	100.00	100.00	100.00

TABLE S209. 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.
upriver.r.01	14.72	7.59	10.88	16.86
besides.r.02	12.44	20.25	18.73	9.30
truly.r.01	12.13	8.86	12.39	12.33
still.r.01	8.27	3.80	6.65	9.30
well.r.01	8.19	13.92	8.46	7.56
possibly.r.01	8.03	3.80	7.55	8.60
probably.r.01	8.03	6.33	7.85	8.26
actually.r.01	6.93	3.80	6.95	7.21
even.r.01	6.14	12.66	7.85	4.88
already.r.01	6.14	7.59	6.34	5.93
back.r.01	4.57	6.33	4.83	4.30
alternatively.r.01	4.41	5.06	1.51	5.47
total	100.00	100.00	100.00	100.00

TABLE S210. 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.
N	59.96	61.65	60.47	56.66
ADJ	10.30	10.26	10.61	9.88
VERB	4.74	3.61	4.92	6.11
ADV	25.00	24.48	23.99	27.34
POS	34.04	33.85	34.40	33.78
POS!	91.76	89.58	93.02	93.13

TABLE S211. 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

TABLE S212. 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.
abstraction.n.06	70.92	69.85	72.33	70.27
physical_entity.n.01	29.08	30.15	27.67	29.73
total	100.00	100.00	100.00	100.00

TABLE S213. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 9

	g.	p.	i.	h.
measure.n.02	20.50	23.18	21.92	13.83
communication.n.02	17.49	16.15	16.78	20.84
psychological_feature.n.01	16.34	15.23	16.12	18.46
object.n.01	16.20	15.42	15.69	18.32
group.n.01	8.13	7.61	8.51	8.34
causal_agent.n.01	7.02	8.47	6.41	5.72
attribute.n.02	6.30	5.54	7.14	6.10
matter.n.03	4.53	5.13	4.22	4.06
relation.n.01	2.14	2.11	1.84	2.69
process.n.06	0.67	0.55	0.65	0.90
thing.n.12	0.66	0.58	0.69	0.72
set.n.02	0.02	0.02	0.02	0.00
total	100.00	100.00	100.00	100.00

TABLE S214. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 9

	g.	p.	i.	h.
definite_quantity.n.01	21.68	24.94	23.07	14.06
whole.n.02	13.86	13.27	12.72	16.76
event.n.01	12.37	12.39	11.85	13.22
message.n.02	9.14	8.53	8.75	10.78
person.n.01	8.03	9.99	7.21	6.32
cognition.n.01	7.28	6.12	7.26	9.20
collection.n.01	6.40	5.10	7.11	7.28
written_communication.n.01	5.66	4.78	5.24	7.80
location.n.01	4.97	4.76	5.44	4.48
substance.n.01	4.12	4.39	3.95	3.97
property.n.02	3.26	2.56	3.88	3.31
state.n.02	3.23	3.16	3.53	2.83
total	100.00	100.00	100.00	100.00

TABLE S215. 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.
aeriform.s.02	42.64	45.33	48.22	25.25
like.a.01	10.23	11.18	9.74	9.34
capable.s.02	7.12	7.00	7.24	7.07
new.a.01	6.19	5.16	3.68	13.64
possible.a.01	5.80	5.77	5.11	7.32
able.a.01	5.36	5.41	4.87	6.31
different.a.01	4.24	2.09	5.46	6.06
first.a.01	4.09	3.56	4.16	5.05
net.a.01	3.85	3.44	3.09	6.31
local.a.01	3.75	7.00	1.66	1.52
certain.a.02	3.41	1.35	3.44	7.58
all_right.s.01	3.31	2.70	3.33	4.55
total	100.00	100.00	100.00	100.00

TABLE S216. 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.
act.v.01	15.33	17.47	14.35	13.91
make.v.03	12.75	11.31	12.37	15.12
move.v.02	11.58	12.47	12.10	9.77
use.v.01	11.06	10.78	11.05	11.43
travel.v.01	8.92	9.62	9.06	7.83
think.v.03	8.44	6.90	8.59	10.22
change.v.01	7.15	6.80	7.55	7.07
get.v.01	5.82	7.47	6.06	3.38
perceive.v.01	5.63	4.93	5.96	6.08
change.v.02	5.18	4.37	5.46	5.85
express.v.02	4.25	3.80	3.61	5.67
be.v.01	3.89	4.09	3.84	3.69
total	100.00	100.00	100.00	100.00

TABLE S217. 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.
interact.v.01	16.34	17.57	14.28	17.43
re-create.v.01	13.25	12.34	13.34	14.29
evaluate.v.02	11.94	10.39	12.84	12.75
put.v.01	9.46	9.51	9.85	8.88
try.v.01	8.26	9.89	9.16	5.00
state.v.01	7.65	6.74	6.61	10.17
see.v.01	6.75	6.30	6.30	7.91
travel_rapidly.v.01	6.66	7.62	6.30	5.89
send.v.01	6.54	6.80	7.29	5.25
keep.v.03	5.64	5.86	6.23	4.60
interpret.v.01	3.79	2.33	3.74	5.73
look.v.02	3.72	4.66	4.05	2.10
total	100.00	100.00	100.00	100.00

TABLE S218. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 9

	g.	p.	i.	h.
communicate.v.02	24.18	27.29	21.18	24.24
represent.v.09	20.70	20.42	20.59	21.18
run.v.01	10.57	12.60	9.95	8.94
think.v.01	7.52	5.73	8.97	7.83
install.v.01	6.09	9.79	4.33	3.92
save.v.02	5.59	5.42	5.62	5.75
read.v.01	5.44	3.33	5.52	7.83
increase.v.01	5.12	3.54	6.11	5.75
expect.v.01	4.08	3.02	4.83	4.41
declare.v.01	3.87	3.85	4.14	3.55
salvage.v.01	3.44	2.40	5.12	2.57
write.v.01	3.40	2.60	3.65	4.04
total	100.00	100.00	100.00	100.00

TABLE S219. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 9

	g.	p.	i.	h.
capture.v.01	32.49	31.01	32.69	34.15
inform.v.01	25.21	25.79	21.79	28.83
record.v.01	8.94	8.23	9.13	9.61
add.v.01	7.22	4.91	8.17	9.00
roll_up.v.02	4.64	6.33	5.29	1.64
address.v.01	3.50	4.91	3.69	1.43
promise.v.01	3.38	2.06	4.01	4.29
filter.v.01	3.38	2.53	3.21	4.70
see.v.05	3.21	4.11	3.21	2.04
write.v.02	3.04	3.64	3.21	2.04
propose.v.01	2.58	3.64	2.40	1.43
balance.v.01	2.41	2.85	3.21	0.82
total	100.00	100.00	100.00	100.00

TABLE S220. 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.
besides.r.02	17.98	18.15	20.60	15.06
probably.r.01	11.83	7.04	12.04	14.81
however.r.01	11.11	11.11	10.88	11.36
possibly.r.01	10.57	6.67	12.50	11.11
well.r.01	8.67	8.15	6.48	11.36
still.r.01	7.23	11.11	7.64	4.20
truly.r.01	7.05	7.78	7.41	6.17
even.r.01	6.68	8.89	6.71	5.19
alternatively.r.01	5.69	6.30	5.09	5.93
presently.r.02	4.97	5.93	2.31	7.16
already.r.01	4.25	3.70	3.70	5.19
actually.r.01	3.97	5.19	4.63	2.47
total	100.00	100.00	100.00	100.00

TABLE S221. 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.
N	56.34	59.22	57.54	51.90
ADJ	12.99	13.42	13.02	12.63
VERB	5.64	4.82	5.47	6.54
ADV	25.03	22.53	23.97	28.93
POS	34.29	35.15	34.07	34.23
POS!	95.67	95.33	95.78	95.65

TABLE S222. 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

TABLE S223. 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.
abstraction.n.06	74.14	73.26	74.41	74.17
physical_entity.n.01	25.86	26.74	25.59	25.83
total	100.00	100.00	100.00	100.00

TABLE S224. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 10

	g.	p.	i.	h.
communication.n.02	25.32	24.70	24.15	28.56
psychological_feature.n.01	17.57	16.71	18.07	17.01
measure.n.02	16.95	15.83	17.81	15.75
object.n.01	10.30	11.56	10.46	8.99
causal_agent.n.01	8.57	8.67	9.24	6.93
matter.n.03	6.08	5.76	5.01	8.87
attribute.n.02	5.43	6.96	5.36	4.46
group.n.01	4.97	6.24	4.76	4.49
relation.n.01	3.89	2.78	4.25	3.87
process.n.06	0.50	0.44	0.54	0.47
thing.n.12	0.40	0.31	0.35	0.57
set.n.02	0.01	0.02	0.00	0.02
total	100.00	100.00	100.00	100.00

TABLE S225. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 10

	g.	p.	i.	h.
definite_quantity.n.01	15.54	14.38	16.48	14.17
event.n.01	14.27	14.46	13.97	14.86
message.n.02	12.87	13.33	11.82	15.05
person.n.01	10.99	11.26	11.74	9.01
cognition.n.01	8.71	7.76	9.51	7.48
whole.n.02	7.46	7.64	7.95	6.17
substance.n.01	6.43	6.53	5.57	8.41
indication.n.01	5.73	5.07	5.50	6.79
location.n.01	5.41	6.85	5.08	5.13
language.n.01	5.05	4.58	5.89	3.39
fundamental_quantity.n.01	3.89	4.40	3.86	3.60
written_communication.n.01	3.64	3.73	2.65	5.95
total	100.00	100.00	100.00	100.00

TABLE S226. 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.
new.a.01	15.00	21.54	15.05	11.45
like.a.01	13.97	14.23	12.78	15.77
english.a.01	13.56	13.01	10.92	18.14
net.a.01	10.00	2.03	16.78	3.24
free.a.01	7.60	9.76	6.66	7.99
capable.s.02	6.23	8.13	9.19	0.43
personal.a.01	6.03	0.41	2.13	15.33
many.a.01	5.75	8.13	5.86	4.32
possible.a.01	5.55	4.07	7.32	3.46
good.a.01	5.55	5.69	4.93	6.48
japanese.a.01	5.41	0.81	2.66	12.31
public.a.01	5.34	12.20	5.73	1.08
total	100.00	100.00	100.00	100.00

TABLE S227. 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.
act.v.01	25.78	30.65	26.61	22.09
move.v.02	10.02	8.49	8.67	13.01
change.v.01	9.43	9.14	11.13	6.71
think.v.03	9.35	9.57	10.26	7.72
make.v.01	6.60	4.52	7.77	5.60
change.v.02	6.08	7.10	5.25	7.01
use.v.01	5.84	4.73	5.28	7.31
get.v.01	5.70	3.23	5.01	8.02
travel.v.01	5.57	5.27	5.82	5.30
make.v.03	5.52	4.95	6.00	4.99
satisfy.v.02	5.09	7.96	4.47	4.79
express.v.02	5.01	4.41	3.72	7.46
total	100.00	100.00	100.00	100.00

TABLE S228. 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.
interact.v.01	35.11	38.27	36.72	30.74
evaluate.v.02	11.62	9.65	12.71	10.83
please.v.01	8.66	12.31	7.73	8.30
state.v.01	8.52	6.82	6.43	12.93
send.v.01	7.05	8.15	4.82	10.22
help.v.01	5.25	5.32	5.65	4.54
see.v.01	5.17	4.33	5.08	5.76
modify.v.01	4.76	3.66	3.06	8.21
change_magnitude.v.01	3.78	5.82	3.84	2.62
look.v.02	3.78	1.66	5.65	1.75
put.v.01	3.24	2.16	4.10	2.36
take.v.01	3.05	1.83	4.20	1.75
total	100.00	100.00	100.00	100.00

TABLE S229. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 10

	g.	p.	i.	h.
communicate.v.02	51.87	53.79	55.31	45.22
think.v.01	8.26	4.98	9.35	8.27
update.v.01	6.43	4.50	4.12	11.24
increase.v.01	5.41	7.58	5.71	3.75
place.v.12	4.35	2.61	6.42	1.94
note.v.01	3.99	1.18	1.19	10.08
coincide.v.01	3.82	2.61	3.96	4.26
convey.v.03	3.38	1.42	4.91	1.94
expect.v.01	3.34	1.90	4.52	2.20
write.v.01	3.21	1.90	4.28	2.20
send.v.02	3.01	0.47	0.24	8.91
cross.v.05	2.93	17.06	0.00	0.00
total	100.00	100.00	100.00	100.00

TABLE S230. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 10

	g.	p.	i.	h.
inform.v.01	53.19	55.36	57.02	45.60
add.v.01	6.44	8.30	6.87	4.75
overlap.v.01	5.17	3.81	5.20	5.81
talk.v.02	4.73	7.61	5.10	2.64
communicate.v.01	4.57	2.08	6.45	2.64
ask.v.01	4.35	3.81	3.43	6.16
mail.v.01	4.07	0.69	0.31	12.15
see.v.05	3.91	4.50	4.58	2.46
fund-raise.v.01	3.74	1.73	4.27	3.87
propose.v.01	3.63	4.84	2.71	4.58
talk.v.01	3.14	3.81	1.98	4.75
permit.v.01	3.08	3.46	2.08	4.58
total	100.00	100.00	100.00	100.00

TABLE S231. 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.
besides.r.02	18.06	35.25	17.16	12.64
still.r.01	12.77	12.23	17.16	6.74
probably.r.01	10.98	5.76	3.16	24.16
well.r.01	10.08	9.35	10.45	9.83
already.r.01	9.28	8.63	7.69	11.80
freely.r.01	6.39	1.44	7.50	6.74
yet.r.01	6.39	5.76	5.72	7.58
however.r.01	6.09	3.60	8.09	4.21
presently.r.02	5.79	2.88	8.68	2.81
soon.r.01	5.39	5.04	4.93	6.18
even.r.01	4.49	4.32	4.73	4.21
always.r.01	4.29	5.76	4.73	3.09
total	100.00	100.00	100.00	100.00

TABLE S232. 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.
N	56.32	57.73	58.82	52.33
ADJ	15.07	14.46	14.96	15.33
VERB	7.08	6.94	6.55	7.91
ADV	21.53	20.87	19.67	24.43
POS	37.05	36.60	37.17	36.94
POS!	95.60	95.01	95.42	95.96

TABLE S233. 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

TABLE S234. 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.
abstraction.n.06	69.95	69.64	67.25	74.56
physical_entity.n.01	30.05	30.36	32.75	25.44
total	100.00	100.00	100.00	100.00

TABLE S235. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 11

	g.	p.	i.	h.
psychological_feature.n.01	18.82	18.16	16.63	22.64
communication.n.02	17.90	19.13	16.11	20.73
measure.n.02	14.71	15.90	16.13	12.09
object.n.01	13.09	12.59	14.13	11.41
causal_agent.n.01	9.36	11.54	9.58	8.62
relation.n.01	6.87	6.40	7.05	6.65
attribute.n.02	5.93	5.84	5.62	6.47
group.n.01	5.71	4.21	5.72	5.96
matter.n.03	5.22	4.82	6.30	3.46
thing.n.12	1.85	1.00	2.31	1.21
process.n.06	0.54	0.41	0.43	0.75
set.n.02	0.00	0.00	0.00	0.01
total	100.00	100.00	100.00	100.00

TABLE S236. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 11

	g.	p.	i.	h.
definite_quantity.n.01	14.47	15.14	16.49	10.87
cognition.n.01	13.49	11.40	11.41	17.47
person.n.01	12.11	14.70	12.25	11.41
event.n.01	10.75	11.34	9.92	12.07
location.n.01	7.80	6.42	9.00	5.97
whole.n.02	7.62	8.53	7.33	7.96
part.n.01	6.90	6.23	7.21	6.49
language.n.01	6.64	6.29	6.49	6.95
message.n.02	6.62	7.54	6.32	6.99
substance.n.01	5.65	4.27	6.97	3.63
written_communication.n.01	4.69	4.76	3.53	6.68
fundamental_quantity.n.01	3.26	3.39	3.09	3.52
total	100.00	100.00	100.00	100.00

TABLE S237. 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.
hebraic.a.02	16.73	13.04	16.96	16.91
biblical.a.01	11.92	17.87	12.62	9.81
like.a.01	10.37	9.18	8.96	12.91
historical.a.01	9.59	2.42	13.57	4.08
many.a.01	8.02	8.21	7.01	9.66
late.a.01	7.67	2.42	9.59	5.28
different.a.01	7.27	10.14	5.74	9.36
first.a.01	6.73	6.28	6.92	6.49
public.a.01	6.52	13.53	5.02	7.92
ancient.s.01	5.99	9.18	7.55	2.94
linguistic.a.01	4.68	2.42	2.80	8.15
good.a.01	4.52	5.31	3.26	6.49
total	100.00	100.00	100.00	100.00

TABLE S238. 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.
act.v.01	22.51	27.92	22.84	21.36
think.v.03	14.72	12.27	14.49	15.33
express.v.02	9.49	10.40	9.81	8.98
travel.v.01	8.90	6.54	9.75	8.19
make.v.03	7.56	8.76	7.82	7.09
be.v.01	6.18	7.13	6.10	6.14
move.v.02	5.97	5.84	5.66	6.36
perceive.v.01	5.36	4.21	5.49	5.35
change.v.01	5.06	4.79	5.08	5.08
make.v.01	4.99	3.50	4.56	5.72
understand.v.01	4.73	4.09	3.87	5.86
know.v.01	4.53	4.56	4.52	4.54
total	100.00	100.00	100.00	100.00

TABLE S239. 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.
interact.v.01	27.78	34.13	28.75	25.66
evaluate.v.02	16.29	11.56	15.29	18.23
state.v.01	14.22	15.96	14.10	14.13
see.v.01	6.67	4.40	6.85	6.75
create_verbally.v.01	5.67	6.24	6.48	4.57
look.v.02	5.65	6.06	5.56	5.71
interpret.v.01	5.46	4.22	4.31	7.09
associate.v.01	5.31	5.50	5.58	4.93
put.v.01	3.32	2.20	3.06	3.82
take.v.01	3.27	4.40	2.96	3.51
come.v.01	3.20	2.39	3.45	3.01
label.v.01	3.15	2.94	3.61	2.60
total	100.00	100.00	100.00	100.00

TABLE S240. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 11

	g.	p.	i.	h.
communicate.v.02	39.61	48.09	41.11	36.51
think.v.01	11.33	7.65	10.95	12.34
write.v.01	8.57	9.29	9.83	6.89
read.v.01	7.69	5.74	6.03	10.07
think_of.v.04	6.29	6.01	6.78	5.72
accept.v.01	5.43	4.37	4.91	6.23
declare.v.01	4.74	5.19	3.58	6.15
name.v.01	4.71	4.37	5.38	3.92
expect.v.01	4.37	3.83	4.07	4.82
supply.v.01	2.56	2.46	1.74	3.60
increase.v.01	2.36	0.82	2.52	2.39
note.v.01	2.33	2.19	3.11	1.37
total	100.00	100.00	100.00	100.00

TABLE S241. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 11

	g.	p.	i.	h.
inform.v.01	43.63	50.84	45.37	40.11
talk.v.02	10.21	12.61	9.06	11.39
mention.v.01	10.18	9.24	10.62	9.73
see.v.05	7.23	5.04	7.89	6.66
propose.v.01	6.28	6.72	4.19	9.06
believe.v.01	5.30	3.36	5.51	5.33
talk.v.01	4.54	2.10	5.36	3.80
ask.v.01	3.38	2.94	3.02	3.93
add.v.01	2.64	1.26	2.88	2.53
suit.v.01	2.56	0.84	2.24	3.26
assume.v.01	2.19	1.68	2.00	2.53
ignore.v.01	1.87	3.36	1.85	1.67
total	100.00	100.00	100.00	100.00

TABLE S242. 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.
besides.r.02	15.57	23.12	13.75	16.48
even.r.01	13.82	12.50	13.29	14.53
well.r.01	11.71	6.88	13.75	10.23
truly.r.01	7.97	5.00	6.57	9.77
possibly.r.01	7.49	10.62	8.48	6.09
never.r.01	7.28	2.50	10.24	4.84
however.r.01	7.13	6.25	5.73	8.67
therefore.r.01	6.80	12.50	7.64	5.23
far.r.01	6.66	7.50	6.42	6.80
still.r.01	5.49	6.25	4.05	6.88
wholly.r.01	5.06	2.50	5.19	5.23
back.r.01	5.02	4.38	4.89	5.23
total	100.00	100.00	100.00	100.00

TABLE S243. 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.
N	61.95	64.01	61.41	61.32
ADJ	9.52	8.94	9.95	9.19
VERB	3.29	2.87	3.40	3.40
ADV	25.24	24.18	25.23	26.10
POS	33.08	33.08	32.57	34.07
POS!	96.00	94.86	96.66	95.69

TABLE S244. 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

TABLE S245. 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.
abstraction.n.06	65.96	67.13	65.58	65.70
physical_entity.n.01	34.04	32.87	34.42	34.30
total	100.00	100.00	100.00	100.00

TABLE S246. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 12

	g.	p.	i.	h.
psychological_feature.n.01	25.04	26.83	24.50	24.55
object.n.01	23.29	23.61	23.03	23.51
communication.n.02	14.69	13.22	14.87	15.56
measure.n.02	11.12	13.15	10.81	10.01
causal_agent.n.01	6.52	5.55	6.86	6.72
group.n.01	6.07	5.04	6.11	6.85
attribute.n.02	6.06	5.70	6.37	5.80
matter.n.03	3.16	2.71	3.38	3.13
relation.n.01	2.99	3.19	2.93	2.92
process.n.06	0.53	0.29	0.64	0.52
thing.n.12	0.53	0.72	0.51	0.42
set.n.02	0.00	0.00	0.00	0.01
total	100.00	100.00	100.00	100.00

TABLE S247. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 12

	g.	p.	i.	h.
event.n.01	22.04	23.59	21.43	21.87
whole.n.02	16.85	16.56	16.24	18.20
definite_quantity.n.01	11.27	13.77	11.02	9.64
cognition.n.01	8.82	9.38	8.90	8.21
person.n.01	7.94	6.74	8.39	8.12
message.n.02	7.76	6.20	8.10	8.41
location.n.01	5.61	4.82	5.78	5.94
collection.n.01	5.03	3.84	5.06	5.95
land.n.04	4.86	4.90	5.60	3.46
state.n.02	3.45	3.86	3.21	3.56
written_communication.n.01	3.38	3.59	3.16	3.61
substance.n.01	3.00	2.75	3.11	3.02
total	100.00	100.00	100.00	100.00

TABLE S248. 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.
public.a.01	27.58	16.38	25.85	39.95
new.a.01	16.09	24.22	12.71	17.16
internal.a.01	13.06	15.85	16.55	3.35
chief.s.01	10.91	16.03	11.04	6.70
like.a.01	9.34	7.84	10.29	8.45
able.a.01	4.30	5.23	3.97	4.29
capable.s.02	3.68	3.48	4.84	1.34
certain.a.02	3.31	3.66	3.04	3.62
good.a.01	3.20	2.09	3.04	4.42
true.a.01	3.03	1.74	3.10	3.89
different.a.01	2.90	1.92	3.16	3.08
available.a.01	2.59	1.57	2.42	3.75
total	100.00	100.00	100.00	100.00

TABLE S249. 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.
make.v.03	16.17	14.95	15.36	18.50
act.v.01	14.13	13.53	14.46	14.02
change.v.01	12.80	14.91	11.91	12.78
travel.v.01	10.25	11.26	10.04	9.85
move.v.02	8.08	8.46	7.89	8.11
change.v.02	7.75	7.20	7.09	9.31
use.v.01	7.35	7.04	8.05	6.34
think.v.03	6.53	5.57	7.11	6.25
get.v.01	5.91	5.70	7.08	4.04
necessitate.v.01	3.91	4.52	3.67	3.85
be.v.01	3.82	4.15	4.00	3.25
satisfy.v.02	3.30	2.72	3.33	3.69
total	100.00	100.00	100.00	100.00

TABLE S250. 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.
interact.v.01	16.38	15.81	16.53	16.53
construct.v.01	13.92	12.54	12.79	17.22
evaluate.v.02	9.48	6.19	11.06	9.10
change_magnitude.v.01	8.49	6.96	8.43	9.86
travel_rapidly.v.01	7.10	8.16	7.89	4.72
put.v.01	7.03	9.02	6.05	7.29
try.v.01	6.86	7.90	6.70	6.32
please.v.01	6.80	5.58	6.63	8.12
empty.v.01	6.32	8.51	7.67	1.94
follow.v.01	6.25	8.59	3.71	9.24
state.v.01	5.76	5.15	6.45	4.93
keep.v.03	5.61	5.58	6.09	4.72
total	100.00	100.00	100.00	100.00

TABLE S251. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 12

	g.	p.	i.	h.
communicate.v.02	23.25	23.42	22.58	24.50
increase.v.01	12.78	10.66	12.33	15.52
run.v.01	10.78	12.50	11.64	7.54
hollow.v.02	9.59	13.03	11.32	3.10
think.v.01	6.91	3.55	9.14	5.10
update.v.01	6.57	6.84	4.09	11.53
save.v.02	6.04	6.05	6.38	5.32
supply.v.01	5.59	3.68	5.58	7.21
name.v.01	5.14	5.00	5.15	5.21
manipulate.v.02	5.08	0.53	5.53	7.98
write.v.01	4.49	3.29	4.57	5.32
decide.v.02	3.78	11.45	1.70	1.66
total	100.00	100.00	100.00	100.00

TABLE S252. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 12

	g.	p.	i.	h.
inform.v.01	26.68	29.54	26.16	25.52
add.v.01	18.57	16.63	16.95	23.60
core.v.01	15.07	21.66	17.36	4.90
record.v.01	9.49	10.07	9.78	8.39
operate.v.03	7.89	0.44	8.48	12.59
see.v.05	4.34	2.84	5.79	2.45
write.v.07	3.77	0.88	3.75	6.12
propose.v.01	3.01	1.53	3.59	2.97
ask.v.01	2.88	2.19	2.36	4.55
roll_up.v.02	2.88	3.94	2.77	2.27
dispose.v.01	2.79	5.47	1.14	4.20
encase.v.01	2.62	4.81	1.87	2.45
total	100.00	100.00	100.00	100.00

TABLE S253. 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.
besides.r.02	18.93	17.28	20.85	16.60
well.r.01	11.15	9.26	11.88	11.07
even.r.01	8.36	6.79	8.52	9.09
however.r.01	8.13	6.79	7.62	9.88
still.r.01	7.78	6.79	6.28	11.07
presently.r.02	7.32	9.88	7.62	5.14
possibly.r.01	7.20	4.32	8.97	5.93
already.r.01	7.20	6.17	8.97	4.74
truly.r.01	6.97	11.11	4.93	7.91
actually.r.01	5.81	4.32	6.73	5.14
alternatively.r.01	5.57	6.17	4.04	7.91
automatically.r.01	5.57	11.11	3.59	5.53
total	100.00	100.00	100.00	100.00

TABLE S254. 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.
N	65.34	78.69	58.79	50.99
ADJ	10.04	7.85	10.53	12.45
VERB	4.82	2.10	4.06	7.97
ADV	19.80	11.35	26.62	28.59
POS	26.10	21.58	28.67	33.77
POS!	93.55	91.90	92.64	95.60

TABLE S255. 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

TABLE S256. 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.
abstraction.n.06	65.37	60.74	76.00	72.05
physical_entity.n.01	34.63	39.26	24.00	27.95
total	100.00	100.00	100.00	100.00

TABLE S257. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 13

	g.	p.	i.	h.
measure.n.02	20.34	22.08	31.19	15.88
object.n.01	16.06	17.00	12.00	14.95
psychological_feature.n.01	15.00	10.36	17.68	22.74
communication.n.02	12.91	10.72	12.64	16.75
matter.n.03	10.38	13.70	6.09	5.15
attribute.n.02	9.07	9.90	6.55	7.95
causal_agent.n.01	6.80	7.23	4.12	6.40
group.n.01	4.70	4.68	4.23	4.80
relation.n.01	3.34	3.00	3.65	3.89
thing.n.12	0.89	0.93	0.64	0.86
process.n.06	0.49	0.39	1.16	0.59
set.n.02	0.02	0.00	0.06	0.04
total	100.00	100.00	100.00	100.00

TABLE S258. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 13

	g.	p.	i.	h.
definite_quantity.n.01	22.20	24.33	35.17	16.40
whole.n.02	14.19	14.10	12.64	14.59
event.n.01	10.57	8.25	13.31	14.59
substance.n.01	10.27	13.16	6.84	5.28
cognition.n.01	8.40	4.52	9.29	15.60
person.n.01	8.14	8.13	5.28	8.54
property.n.02	6.08	7.46	2.90	3.90
location.n.01	5.38	6.10	2.30	4.43
message.n.02	4.56	3.32	6.02	6.69
signal.n.01	4.06	5.38	0.67	2.02
written_communication.n.01	3.53	1.93	4.61	6.41
substance.n.07	2.63	3.32	0.97	1.56
total	100.00	100.00	100.00	100.00

TABLE S259. 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.
like.a.01	18.14	7.70	30.61	30.00
new.a.01	16.09	12.48	16.33	20.58
first.a.01	9.36	10.02	4.08	9.04
strong.a.01	8.46	15.87	0.00	0.00
public.a.01	7.39	8.78	22.45	4.23
better.a.01	7.22	9.86	2.04	4.42
incorrect.a.01	6.57	4.47	6.12	9.23
many.a.01	6.08	7.55	2.04	4.62
solid.s.01	5.34	9.71	0.00	0.38
small.a.01	5.17	2.47	2.04	8.85
up-to-the-minute.s.01	5.17	8.78	4.08	0.77
good.a.01	5.01	2.31	10.20	7.88
total	100.00	100.00	100.00	100.00

TABLE S260. 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.
act.v.01	15.19	17.32	12.88	14.51
think.v.03	13.76	11.89	9.13	15.02
change.v.01	11.53	9.34	11.24	12.50
travel.v.01	8.48	7.06	12.18	8.73
move.v.02	8.28	14.17	6.32	5.94
make.v.03	8.18	4.99	11.71	9.20
change.v.02	7.84	9.72	6.09	7.21
use.v.01	6.48	2.44	7.49	8.12
get.v.01	6.08	7.65	7.96	5.22
make.v.01	5.96	3.85	6.32	6.83
be.v.01	4.46	2.55	6.56	5.08
transfer.v.05	3.75	9.01	2.11	1.64
total	100.00	100.00	100.00	100.00

TABLE S261. 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.
evaluate.v.02	24.68	24.87	16.42	25.44
interact.v.01	21.35	28.52	12.94	19.42
state.v.01	7.50	8.72	5.47	7.23
better.v.02	6.25	4.04	6.97	7.03
give.v.03	5.91	12.89	4.48	3.34
keep.v.03	5.43	2.86	6.97	6.27
construct.v.01	5.30	1.04	7.96	6.68
see.v.01	5.16	2.99	10.95	5.41
put.v.01	4.72	4.43	5.97	4.70
look.v.02	4.68	1.82	11.44	5.11
try.v.01	4.58	5.34	6.97	4.05
change_state.v.01	4.45	2.47	3.48	5.31
total	100.00	100.00	100.00	100.00

TABLE S262. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 13

	g.	p.	i.	h.
communicate.v.02	27.85	34.93	19.67	25.44
think.v.01	14.00	6.62	14.75	17.21
expect.v.01	12.51	19.87	9.02	9.56
repair.v.01	6.47	0.33	9.84	8.90
supply.v.01	5.85	11.92	7.38	3.01
increase.v.01	5.80	1.82	9.84	7.21
align.v.01	5.42	18.21	0.00	0.22
name.v.01	5.03	3.31	15.57	4.85
write.v.01	4.46	1.66	3.28	5.81
save.v.02	4.46	1.32	8.20	5.51
match.v.05	4.12	0.00	0.00	6.32
integrate.v.03	4.03	0.00	2.46	5.96
total	100.00	100.00	100.00	100.00

TABLE S263. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 13

	g.	p.	i.	h.
inform.v.01	33.16	34.71	27.66	32.74
add.v.01	9.50	1.93	23.40	12.38
record.v.01	8.18	2.20	21.28	10.32
think.v.02	7.56	17.08	2.13	3.16
balance.v.01	7.56	0.00	0.00	11.83
unify.v.01	7.39	0.00	6.38	11.14
restrain.v.01	5.45	16.25	0.00	0.41
mention.v.01	4.75	0.83	2.13	6.88
see.v.05	4.57	6.06	6.38	3.71
offer.v.01	4.40	13.22	0.00	0.28
overlap.v.01	3.96	2.48	4.26	4.68
talk.v.02	3.52	5.23	6.38	2.48
total	100.00	100.00	100.00	100.00

TABLE S264. 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.
truly.r.01	13.06	5.91	10.87	14.83
besides.r.02	11.43	11.83	13.04	11.25
actually.r.01	10.18	1.61	10.87	12.11
back.r.01	8.84	31.72	0.00	4.08
possibly.r.01	8.07	2.15	13.04	9.15
even.r.01	8.07	10.22	10.87	7.42
still.r.01	7.88	4.84	6.52	8.65
well.r.01	7.30	10.75	10.87	6.30
already.r.01	6.72	4.30	6.52	7.29
alternatively.r.01	6.34	3.76	8.70	6.80
right.r.01	6.24	7.53	6.52	5.93
never.r.01	5.86	5.38	2.17	6.18
total	100.00	100.00	100.00	100.00

TABLE S265. 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.
N	63.63	67.81	62.92	56.68
ADJ	8.56	7.77	8.65	10.08
VERB	4.51	3.43	4.64	6.60
ADV	23.31	21.00	23.79	26.64
POS	35.11	35.23	35.18	34.40
POS!	93.54	94.79	93.25	91.99

TABLE S266. 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

TABLE S267. 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.
abstraction.n.06	65.82	65.10	66.56	63.42
physical_entity.n.01	34.18	34.90	33.44	36.58
total	100.00	100.00	100.00	100.00

TABLE S268. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 15

	g.	p.	i.	h.
measure.n.02	23.47	18.80	26.32	20.17
object.n.01	15.72	15.89	15.18	18.58
psychological_feature.n.01	14.73	14.80	14.64	15.15
causal_agent.n.01	11.17	11.25	11.52	8.69
communication.n.02	10.76	12.44	9.78	11.67
attribute.n.02	8.96	9.10	8.79	9.64
group.n.01	5.37	6.58	4.89	4.55
matter.n.03	5.26	6.11	4.75	5.87
relation.n.01	2.53	3.37	2.15	2.25
process.n.06	1.50	1.23	1.58	1.80
thing.n.12	0.53	0.42	0.41	1.63
set.n.02	0.00	0.01	0.00	0.00
total	100.00	100.00	100.00	100.00

TABLE S269. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 15

	g.	p.	i.	h.
definite_quantity.n.01	22.37	17.99	24.78	20.63
whole.n.02	15.46	14.26	15.37	19.93
person.n.01	13.67	14.17	13.81	11.15
event.n.01	12.95	13.28	12.67	13.74
cognition.n.01	6.00	5.88	6.00	6.38
substance.n.01	5.20	6.45	4.43	6.25
state.n.02	4.82	5.40	4.51	4.93
message.n.02	4.73	4.72	4.68	5.05
fundamental_quantity.n.01	4.29	3.81	4.93	1.67
location.n.01	4.27	5.54	3.58	4.67
written_communication.n.01	3.29	3.83	2.95	3.79
social_group.n.01	2.95	4.67	2.29	1.80
total	100.00	100.00	100.00	100.00

TABLE S270. 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.
capable.s.02	19.85	22.40	21.84	0.00
new.a.01	15.55	19.53	13.41	20.13
like.a.01	13.72	10.42	13.31	24.68
able.a.01	8.91	11.20	8.33	7.14
certain.a.02	7.02	4.69	7.38	10.39
good.a.01	5.88	2.60	6.70	8.44
full.a.01	5.37	6.25	5.46	2.60
net.a.01	5.12	5.73	4.89	5.19
spare.s.01	4.80	1.04	6.42	3.25
all_right.s.01	4.80	5.47	4.21	7.14
local.a.01	4.49	6.77	3.16	7.79
best.a.01	4.49	3.91	4.89	3.25
total	100.00	100.00	100.00	100.00

TABLE S271. 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.
act.v.01	16.40	17.43	16.20	15.40
travel.v.01	12.11	11.83	12.55	10.58
move.v.02	11.58	13.27	11.74	7.53
make.v.03	9.12	7.01	9.35	12.10
change.v.01	9.00	10.73	8.09	10.07
use.v.01	8.73	8.06	8.93	9.14
think.v.03	8.16	6.40	8.70	8.97
get.v.01	7.15	7.75	7.26	5.41
change.v.02	5.60	7.05	4.83	6.51
connect.v.01	4.19	4.03	4.37	3.64
express.v.02	4.01	3.42	3.86	5.84
perceive.v.01	3.94	3.02	4.12	4.82
total	100.00	100.00	100.00	100.00

TABLE S272. 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.
interact.v.01	19.72	21.84	18.62	21.01
evaluate.v.02	13.46	11.10	14.39	13.45
travel_rapidly.v.01	10.67	10.56	11.09	8.91
state.v.01	8.01	7.01	7.68	11.43
send.v.01	7.99	10.46	8.53	0.84
put.v.01	7.96	8.46	7.50	9.24
create_verbally.v.01	7.08	5.10	7.00	11.09
try.v.01	5.88	6.73	5.61	5.55
see.v.01	5.66	3.37	6.25	7.06
attach.v.01	5.30	4.19	5.79	5.04
handle.v.04	4.21	3.00	4.55	4.87
give.v.03	4.06	8.19	2.99	1.51
total	100.00	100.00	100.00	100.00

TABLE S273. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 15

	g.	p.	i.	h.
communicate.v.02	28.76	33.29	27.44	26.56
run.v.01	16.95	16.57	17.80	13.80
write.v.01	11.24	8.00	11.24	17.19
manipulate.v.02	6.66	4.57	7.30	7.55
think.v.01	6.24	4.43	6.67	7.55
read.v.01	5.50	3.14	5.99	7.55
convey.v.03	4.58	6.29	4.73	0.78
increase.v.01	4.30	3.86	4.22	5.47
rate.v.01	4.05	5.43	3.88	2.34
save.v.02	3.98	3.71	3.99	4.43
expect.v.01	3.95	2.29	4.28	5.47
supply.v.01	3.77	8.43	2.45	1.30
total	100.00	100.00	100.00	100.00

TABLE S274. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 15

	g.	p.	i.	h.
inform.v.01	30.77	38.46	29.37	21.28
operate.v.03	11.66	7.45	12.70	15.43
talk.v.02	8.13	5.05	9.52	7.45
record.v.01	7.01	6.25	6.94	9.04
upgrade.v.01	7.01	8.89	6.65	4.79
write.v.07	6.51	7.21	5.85	8.51
add.v.01	5.96	4.81	5.75	9.57
permit.v.01	5.58	3.85	6.35	5.32
communicate.v.01	5.52	8.17	5.16	1.60
see.v.05	4.53	4.57	4.66	3.72
replace.v.01	3.85	2.40	3.87	6.91
propose.v.01	3.47	2.88	3.17	6.38
total	100.00	100.00	100.00	100.00

TABLE S275. 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.
besides.r.02	19.75	31.72	18.39	13.11
well.r.01	11.94	13.44	11.28	13.11
back.r.01	9.69	9.14	10.20	8.20
still.r.01	9.34	8.06	8.46	14.21
actually.r.01	8.17	5.38	8.59	9.29
however.r.01	7.18	9.68	7.65	2.73
even.r.01	6.82	6.45	5.77	11.48
originally.r.01	6.28	1.08	8.99	0.55
truly.r.01	5.75	2.69	5.64	9.29
presently.r.02	5.39	6.45	5.50	3.83
never.r.01	4.85	5.38	4.70	4.92
possibly.r.01	4.85	0.54	4.83	9.29
total	100.00	100.00	100.00	100.00

TABLE S276. 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.
N	65.42	77.23	60.80	56.34
ADJ	8.22	5.57	9.39	10.11
VERB	4.17	2.04	4.71	6.12
ADV	22.19	15.16	25.09	27.43
POS	31.20	34.47	29.46	29.77
POS!	94.12	95.15	93.10	94.05

TABLE S277. 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

TABLE S278. 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.
abstraction.n.06	70.25	72.61	69.35	67.43
physical_entity.n.01	29.75	27.39	30.65	32.57
total	100.00	100.00	100.00	100.00

TABLE S279. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 16

	g.	p.	i.	h.
measure.n.02	22.32	16.98	30.44	21.31
communication.n.02	18.13	25.33	10.71	15.20
object.n.01	17.35	16.46	17.69	18.41
psychological_feature.n.01	12.95	8.55	15.20	17.53
attribute.n.02	9.75	14.45	5.63	6.98
matter.n.03	6.61	6.65	6.59	6.57
causal_agent.n.01	4.65	3.46	5.31	5.82
group.n.01	3.93	3.81	4.87	3.01
relation.n.01	3.16	3.49	2.50	3.39
thing.n.12	0.71	0.40	0.67	1.27
process.n.06	0.44	0.43	0.41	0.49
set.n.02	0.00	0.00	0.00	0.02
total	100.00	100.00	100.00	100.00

TABLE S280. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 16

	g.	p.	i.	h.
definite_quantity.n.01	24.09	17.56	33.94	23.02
whole.n.02	13.85	9.13	16.60	18.46
signal.n.01	9.57	20.29	1.16	1.73
event.n.01	9.05	6.41	9.53	12.93
substance.n.01	6.81	6.86	6.64	6.95
property.n.02	6.56	12.46	2.18	1.95
cognition.n.01	6.14	3.57	8.23	7.92
location.n.01	6.06	9.77	3.38	3.06
person.n.01	5.41	3.96	6.16	6.96
message.n.02	5.32	4.25	5.25	7.23
written_communication.n.01	3.57	2.71	3.48	5.13
state.n.02	3.57	3.03	3.45	4.64
total	100.00	100.00	100.00	100.00

TABLE S281. 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.
like.a.01	12.92	12.10	13.44	12.77
new.a.01	11.23	11.39	7.66	14.89
inactive.s.10	10.57	7.12	10.00	12.77
common.a.01	10.18	0.71	12.66	11.95
net.a.01	9.92	20.28	5.78	9.49
local.a.01	9.86	4.98	13.59	8.18
chief.s.01	9.01	22.42	8.75	3.11
different.a.01	6.01	4.63	7.34	5.24
current.a.01	5.48	2.14	5.47	7.04
certain.a.02	5.03	5.34	5.31	4.58
possible.a.01	4.90	2.85	4.69	6.06
dynamic.a.01	4.90	6.05	5.31	3.93
total	100.00	100.00	100.00	100.00

TABLE S282. 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.
act.v.01	15.57	27.48	11.10	11.63
make.v.03	11.61	7.65	13.79	12.20
move.v.02	11.05	12.13	10.73	10.61
think.v.03	10.57	7.86	11.89	11.15
use.v.01	9.55	5.55	10.93	11.00
travel.v.01	8.32	7.98	8.60	8.27
change.v.01	7.61	5.14	7.92	9.08
make.v.01	6.52	7.40	5.48	6.98
change.v.02	5.41	5.88	4.85	5.66
get.v.01	5.02	6.46	4.77	4.23
be.v.01	4.66	4.32	4.71	4.85
exist.v.01	4.11	2.14	5.25	4.35
total	100.00	100.00	100.00	100.00

TABLE S283. 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.
interact.v.01	14.04	16.20	12.33	14.29
evaluate.v.02	13.13	7.94	14.39	15.69
put.v.01	13.05	10.80	13.85	13.87
construct.v.01	9.82	6.75	11.03	10.83
check.v.01	7.17	1.75	8.64	9.67
set_about.v.01	7.08	26.45	0.11	0.06
coexist.v.02	7.06	3.97	9.34	6.87
state.v.01	6.66	5.32	7.39	6.87
keep.v.03	6.28	3.97	8.20	5.90
associate.v.01	6.13	5.88	7.12	5.23
try.v.01	4.91	5.64	5.00	4.26
give.v.03	4.66	5.32	2.61	6.45
total	100.00	100.00	100.00	100.00

TABLE S284. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 16

	g.	p.	i.	h.
communicate.v.02	20.79	22.33	18.18	22.61
install.v.01	11.88	7.44	12.44	15.01
confront.v.02	11.31	39.98	0.17	0.10
coincide.v.01	11.27	6.00	14.75	11.61
think.v.01	7.13	3.72	8.92	7.91
increase.v.01	7.07	3.96	7.03	9.76
run.v.01	6.12	3.24	7.20	7.30
store.v.01	5.79	3.96	7.72	5.04
expect.v.01	5.08	2.52	5.49	6.78
repair.v.01	4.74	1.92	5.23	6.58
declare.v.01	4.51	2.88	5.32	4.93
write.v.01	4.31	2.04	7.55	2.36
total	100.00	100.00	100.00	100.00

TABLE S285. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 16

	g.	p.	i.	h.
inform.v.01	25.74	36.44	20.28	25.97
overlap.v.01	19.76	14.12	23.75	18.34
add.v.01	11.48	8.19	10.83	14.12
roll_up.v.02	10.06	9.32	12.36	7.79
record.v.01	7.16	4.24	8.33	7.47
communicate.v.01	4.08	7.63	3.19	3.08
think.v.02	3.96	0.85	6.11	3.25
promise.v.01	3.85	4.80	4.72	2.27
believe.v.01	3.67	5.08	2.78	3.90
propose.v.01	3.55	1.98	3.47	4.55
assume.v.01	3.37	3.39	1.39	5.68
talk.v.02	3.31	3.95	2.78	3.57
total	100.00	100.00	100.00	100.00

TABLE S286. 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.
besides.r.02	13.77	19.35	12.56	12.56
well.r.01	10.42	8.60	11.82	9.91
even.r.01	9.75	5.91	8.37	12.56
still.r.01	9.66	9.14	11.08	8.59
truly.r.01	8.60	6.99	11.82	6.39
already.r.01	8.41	13.44	6.65	7.93
alternatively.r.01	7.93	6.45	6.90	9.47
possibly.r.01	7.65	4.30	7.39	9.25
however.r.01	6.60	2.15	6.65	8.37
actually.r.01	6.41	3.23	7.14	7.05
first.r.01	5.54	12.90	4.43	3.52
always.r.01	5.26	7.53	5.17	4.41
total	100.00	100.00	100.00	100.00

TABLE S287. 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.
N	62.98	65.95	62.18	62.89
ADJ	9.30	7.99	9.55	9.43
VERB	3.72	3.47	3.70	3.79
ADV	24.00	22.59	24.57	23.90
POS	30.52	32.33	29.55	30.89
POS!	92.74	94.97	92.45	92.46

TABLE S288. 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

TABLE S289. 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.
abstraction.n.06	64.41	66.92	63.84	64.22
physical_entity.n.01	35.59	33.08	36.16	35.78
total	100.00	100.00	100.00	100.00

TABLE S290. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 17

	g.	p.	i.	h.
measure.n.02	22.91	23.77	22.36	23.10
object.n.01	20.04	21.24	19.01	20.53
psychological_feature.n.01	15.92	16.62	15.04	16.40
communication.n.02	11.21	12.69	11.77	10.43
causal_agent.n.01	8.87	7.37	9.51	8.76
attribute.n.02	7.54	7.06	7.14	7.97
matter.n.03	5.52	3.01	6.93	5.08
group.n.01	4.05	4.19	4.45	3.71
relation.n.01	2.78	2.59	3.08	2.60
thing.n.12	0.73	0.62	0.54	0.89
process.n.06	0.43	0.84	0.17	0.51
set.n.02	0.00	0.00	0.00	0.01
total	100.00	100.00	100.00	100.00

TABLE S291. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 17

	g.	p.	i.	h.
definite_quantity.n.01	24.06	25.41	22.94	24.57
whole.n.02	19.02	20.68	17.99	19.39
event.n.01	11.84	12.89	12.39	11.17
person.n.01	10.03	8.36	10.85	9.82
cognition.n.01	6.79	6.66	5.24	7.99
message.n.02	6.19	6.43	6.79	5.68
substance.n.01	6.03	2.86	7.65	5.59
location.n.01	3.84	3.23	4.04	3.84
state.n.02	3.67	4.86	3.50	3.50
written_communication.n.01	3.47	3.93	3.69	3.20
shape.n.02	2.61	1.76	2.37	2.99
collection.n.01	2.45	2.93	2.54	2.27
total	100.00	100.00	100.00	100.00

TABLE S292. 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.
public.a.01	29.35	12.42	42.72	19.01
new.a.01	10.96	13.66	9.21	12.20
like.a.01	10.28	12.42	9.61	10.50
capable.s.02	8.48	4.35	9.88	7.94
net.a.01	7.93	1.24	1.34	16.45
virtual.s.01	5.76	6.83	4.67	6.67
able.a.01	5.33	6.21	5.74	4.68
certain.a.02	5.20	4.35	3.74	6.95
available.a.01	4.46	6.83	4.14	4.26
all_right.s.01	4.33	18.63	3.07	2.41
false.a.01	4.15	4.97	3.34	4.82
true.a.01	3.78	8.07	2.54	4.11
total	100.00	100.00	100.00	100.00

TABLE S293. 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.
move.v.02	14.29	17.34	14.71	13.26
act.v.01	13.52	15.72	13.64	12.92
change.v.01	12.38	14.50	13.34	11.14
travel.v.01	10.87	9.76	10.74	11.23
make.v.03	9.60	7.99	9.44	10.09
use.v.01	7.38	5.42	7.22	7.96
think.v.03	7.12	8.27	5.73	7.99
change.v.02	6.78	6.23	7.11	6.63
connect.v.01	5.15	5.56	6.15	4.26
get.v.01	4.65	4.47	5.24	4.23
perceive.v.01	4.37	2.98	3.82	5.12
necessitate.v.01	3.88	1.76	2.87	5.18
total	100.00	100.00	100.00	100.00

TABLE S294. 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.
put.v.01	16.24	24.23	16.10	14.47
interact.v.01	12.14	13.01	11.99	12.07
evaluate.v.02	11.25	11.22	8.71	13.45
try.v.01	10.14	12.76	10.66	9.07
travel_rapidly.v.01	9.25	6.12	9.20	10.03
change_magnitude.v.01	8.76	6.89	8.71	9.25
see.v.01	6.79	4.08	5.85	8.23
state.v.01	5.36	5.10	4.95	5.77
keep.v.03	5.21	4.85	6.97	3.78
send.v.01	5.15	3.57	5.85	4.92
spice.v.01	4.87	2.04	6.41	4.20
attach.v.01	4.84	6.12	4.60	4.74
total	100.00	100.00	100.00	100.00

TABLE S295. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 17

	g.	p.	i.	h.
communicate.v.02	16.88	17.25	16.50	17.11
install.v.01	15.82	22.18	17.82	12.41
run.v.01	14.31	8.45	14.52	15.70
increase.v.01	13.47	9.15	13.64	14.47
hollow.v.02	6.87	17.61	4.73	5.83
think.v.01	6.56	7.04	4.29	8.36
save.v.02	6.47	4.93	8.91	4.79
write.v.01	4.52	1.41	5.94	4.14
name.v.01	4.47	3.87	3.30	5.64
expect.v.01	4.16	3.17	3.74	4.79
repair.v.01	3.32	2.46	2.64	4.14
update.v.01	3.15	2.46	3.96	2.63
total	100.00	100.00	100.00	100.00

TABLE S296. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 17

	g.	p.	i.	h.
inform.v.01	22.22	24.48	22.05	21.73
add.v.01	21.85	17.48	22.50	22.54
core.v.01	14.35	34.97	9.77	12.47
record.v.01	13.52	9.79	18.41	10.26
grow.v.02	6.11	0.00	5.45	8.45
overlap.v.01	3.70	1.40	3.41	4.63
assume.v.01	3.33	3.50	2.73	3.82
operate.v.03	3.24	2.10	2.50	4.23
propose.v.01	3.06	4.20	2.95	2.82
configure.v.01	3.06	1.40	3.41	3.22
ask.v.01	2.87	0.00	2.50	4.02
enumerate.v.01	2.69	0.70	4.32	1.81
total	100.00	100.00	100.00	100.00

TABLE S297. 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.
besides.r.02	19.68	18.06	22.76	17.66
still.r.01	13.60	11.11	16.04	12.25
possibly.r.01	8.25	9.72	10.07	6.55
well.r.01	8.10	6.94	4.85	10.83
yet.r.01	7.67	4.17	8.21	7.98
manually.r.01	7.24	6.94	8.21	6.55
however.r.01	7.09	8.33	8.21	5.98
already.r.01	7.09	4.17	5.22	9.12
first.r.01	6.37	11.11	4.48	6.84
probably.r.01	5.21	6.94	3.73	5.98
truly.r.01	5.07	8.33	4.10	5.13
presently.r.02	4.63	4.17	4.10	5.13
total	100.00	100.00	100.00	100.00

TABLE S298. 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.
N	56.20	71.65	56.95	52.63
ADJ	12.06	8.87	11.67	12.89
VERB	6.81	3.61	6.35	7.67
ADV	24.93	15.87	25.04	26.81
POS	32.95	35.76	32.15	32.70
POS!	95.54	95.29	94.63	95.93

TABLE S299. 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: 18

	g.	p.	i.	h.
entity.n.01	100.00	100.00	100.00	100.00
total	100.00	100.00	100.00	100.00

TABLE S300. 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: 18

	g.	p.	i.	h.
abstraction.n.06	68.60	61.56	71.78	69.36
physical_entity.n.01	31.40	38.44	28.22	30.64
total	100.00	100.00	100.00	100.00

TABLE S301. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 18

	g.	p.	i.	h.
communication.n.02	19.74	19.40	19.64	19.88
object.n.01	19.18	24.67	16.18	18.81
measure.n.02	17.16	14.35	20.05	16.81
psychological_feature.n.01	16.04	9.55	17.45	17.35
attribute.n.02	8.43	11.55	7.82	7.76
matter.n.03	5.19	8.21	4.58	4.57
causal_agent.n.01	4.83	3.52	5.26	5.03
group.n.01	4.51	3.79	4.36	4.77
relation.n.01	2.71	2.90	2.45	2.76
thing.n.12	1.34	1.25	1.62	1.25
process.n.06	0.85	0.79	0.58	0.98
set.n.02	0.02	0.03	0.01	0.01
total	100.00	100.00	100.00	100.00

TABLE S302. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 18

	g.	p.	i.	h.
whole.n.02	17.85	24.12	14.39	17.26
definite_quantity.n.01	17.37	14.64	20.22	17.08
event.n.01	12.45	7.20	14.42	13.31
cognition.n.01	8.10	4.21	8.34	9.23
message.n.02	7.35	4.21	7.15	8.42
location.n.01	6.16	5.08	5.94	6.58
person.n.01	6.06	3.67	6.77	6.54
written_communication.n.01	5.73	2.69	6.77	6.27
substance.n.01	5.43	8.33	4.79	4.77
property.n.02	5.23	10.84	4.72	3.66
indication.n.01	4.41	2.58	4.58	4.92
signal.n.01	3.87	12.43	1.92	1.95
total	100.00	100.00	100.00	100.00

TABLE S303. 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: 18

	g.	p.	i.	h.
like.a.01	18.48	12.67	17.00	19.52
new.a.01	11.42	16.00	13.20	10.41
good.a.01	8.81	8.00	6.94	9.46
able.a.01	7.69	4.67	7.16	8.16
first.a.01	7.45	8.67	8.28	7.07
possible.a.01	7.40	6.00	9.84	6.80
free.a.01	6.97	9.33	5.37	7.21
net.a.01	6.87	12.00	6.26	6.53
different.a.01	6.82	4.00	6.71	7.14
certain.a.02	6.53	1.33	7.16	6.87
much.a.01	5.85	8.67	5.82	5.58
small.a.01	5.71	8.67	6.26	5.24
total	100.00	100.00	100.00	100.00

TABLE S304. 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: 18

	g.	p.	i.	h.
act.v.01	13.97	20.77	14.57	12.86
use.v.01	10.96	7.34	10.88	11.46
think.v.03	10.40	9.45	10.56	10.47
change.v.01	10.12	6.59	11.71	10.01
make.v.03	9.01	5.72	8.44	9.65
change.v.02	8.87	22.26	8.85	7.10
move.v.02	7.83	6.59	7.84	7.99
travel.v.01	7.34	5.60	7.93	7.36
make.v.01	6.74	4.35	5.95	7.35
express.v.02	5.16	5.35	5.30	5.09
desire.v.01	4.86	2.49	4.61	5.27
necessitate.v.01	4.73	3.48	3.37	5.39
total	100.00	100.00	100.00	100.00

TABLE S305. 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: 18

	g.	p.	i.	h.
interact.v.01	20.35	28.57	21.35	19.06
evaluate.v.02	16.44	16.41	18.08	15.86
state.v.01	10.80	12.77	10.96	10.51
change_magnitude.v.01	7.59	7.29	6.63	7.96
create_verbally.v.01	7.35	3.95	5.58	8.38
keep.v.03	7.05	2.43	8.08	7.20
put.v.01	6.70	2.74	4.90	7.79
interpret.v.01	6.02	6.69	5.19	6.24
attach.v.01	5.22	1.82	5.77	5.41
see.v.01	4.59	6.08	5.67	4.03
manage.v.02	4.07	3.34	4.13	4.14
try.v.01	3.82	7.90	3.65	3.41
total	100.00	100.00	100.00	100.00

TABLE S306. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 18

	g.	p.	i.	h.
communicate.v.02	26.17	23.92	29.24	25.48
think.v.01	13.41	9.14	16.38	13.15
write.v.01	10.32	3.49	8.19	12.39
increase.v.01	9.66	5.91	9.04	10.60
read.v.01	7.92	4.57	7.06	8.87
store.v.01	6.21	0.81	7.63	6.73
name.v.01	5.29	2.42	5.65	5.71
align.v.01	4.70	36.56	0.42	0.20
declare.v.01	4.50	4.30	5.08	4.33
expect.v.01	4.44	2.69	4.10	4.89
encode.v.01	3.68	5.65	3.81	3.26
tag.v.01	3.68	0.54	3.39	4.38
total	100.00	100.00	100.00	100.00

TABLE S307. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 18

	g.	p.	i.	h.
inform.v.01	28.43	46.83	23.18	27.98
add.v.01	17.66	11.11	17.04	18.72
record.v.01	7.29	3.97	8.10	7.43
write.v.02	6.61	2.38	12.85	4.88
talk.v.01	5.45	7.14	5.03	5.39
ask.v.01	5.39	8.73	5.31	4.98
mention.v.01	5.18	4.76	1.96	6.41
think.v.02	5.11	3.17	5.31	5.29
propose.v.01	4.84	3.17	6.70	4.37
code.v.01	4.77	0.79	4.75	5.29
talk.v.02	4.70	0.79	5.59	4.88
see.v.05	4.57	7.14	4.19	4.37
total	100.00	100.00	100.00	100.00

TABLE S308. 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: 18

	g.	p.	i.	h.
besides.r.02	18.75	13.21	19.69	18.91
possibly.r.01	12.20	16.04	12.02	11.96
already.r.01	10.87	9.43	9.46	11.38
well.r.01	10.55	10.38	9.21	10.94
even.r.01	8.84	5.66	6.14	9.86
still.r.01	8.74	10.38	7.93	8.84
truly.r.01	7.35	3.77	9.97	6.88
probably.r.01	5.91	5.66	7.67	5.43
merely.r.01	4.42	5.66	4.09	4.42
yet.r.01	4.42	8.49	4.60	4.06
back.r.01	4.05	8.49	4.86	3.48
presently.r.02	3.89	2.83	4.35	3.84
total	100.00	100.00	100.00	100.00

TABLE S309. 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: 18

	g.	p.	i.	h.
N	50.78	66.00	50.32	46.59
ADJ	12.33	9.62	12.56	13.03
VERB	6.91	3.17	6.29	8.19
ADV	29.98	21.22	30.83	32.19
POS	32.18	29.90	31.24	33.25
POS!	96.09	95.35	96.12	96.29

TABLE S310. 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: 19

	g.	p.	i.	h.
entity.n.01	100.00	100.00	100.00	100.00
total	100.00	100.00	100.00	100.00

TABLE S311. 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: 19

	g.	p.	i.	h.
abstraction.n.06	71.95	69.53	68.23	74.32
physical_entity.n.01	28.05	30.47	31.77	25.68
total	100.00	100.00	100.00	100.00

TABLE S312. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 19

	g.	p.	i.	h.
psychological_feature.n.01	18.81	14.80	16.29	21.38
measure.n.02	15.95	19.11	15.46	14.86
communication.n.02	14.52	18.07	13.85	13.33
object.n.01	13.56	13.47	16.71	12.42
group.n.01	10.55	6.20	11.31	12.02
attribute.n.02	8.63	8.48	8.29	8.82
causal_agent.n.01	7.67	4.50	8.82	8.52
matter.n.03	5.43	11.33	5.13	3.16
relation.n.01	3.48	2.87	3.04	3.89
process.n.06	0.84	0.56	0.38	1.13
thing.n.12	0.55	0.61	0.73	0.45
set.n.02	0.01	0.00	0.00	0.02
total	100.00	100.00	100.00	100.00

TABLE S313. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 19

	g.	p.	i.	h.
definite_quantity.n.01	16.11	22.13	15.60	13.99
event.n.01	14.53	12.16	12.61	16.18
whole.n.02	12.30	12.29	15.79	10.96
cognition.n.01	9.33	7.47	7.43	10.79
person.n.01	9.25	5.78	10.58	10.08
message.n.02	8.84	9.75	7.89	8.85
collection.n.01	7.68	3.91	8.05	8.99
substance.n.01	5.70	12.72	5.21	3.17
state.n.02	5.43	2.81	5.49	6.42
location.n.01	3.88	4.44	3.68	3.74
social_group.n.01	3.61	2.69	3.96	3.83
written_communication.n.01	3.34	3.84	3.71	3.01
total	100.00	100.00	100.00	100.00

TABLE S314. 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: 19

	g.	p.	i.	h.
new.a.01	19.20	31.34	13.06	18.79
like.a.01	18.23	6.47	20.18	20.13
public.a.01	10.06	21.89	17.51	4.59
excess.s.01	9.36	1.49	12.17	10.07
good.a.01	9.29	8.46	6.53	10.51
old.a.01	5.38	3.98	3.86	6.26
many.a.01	5.17	4.48	5.04	5.37
current.a.01	5.03	2.99	5.93	5.15
certain.a.02	4.96	2.99	3.56	5.93
first.a.01	4.54	7.96	4.15	3.91
small.a.01	4.40	3.98	4.45	4.47
much.a.01	4.40	3.98	3.56	4.81
total	100.00	100.00	100.00	100.00

TABLE S315. 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: 19

	g.	p.	i.	h.
act.v.01	14.02	14.21	11.91	14.74
think.v.03	13.35	8.66	12.53	14.54
move.v.02	9.81	12.14	9.85	9.35
change.v.02	9.70	8.27	9.16	10.16
make.v.03	9.67	10.47	10.67	9.15
travel.v.01	8.24	9.17	8.61	7.92
make.v.01	7.55	10.85	10.12	6.00
change.v.01	7.00	7.11	8.33	6.50
use.v.01	5.64	5.43	5.99	5.56
get.v.01	5.42	5.17	4.82	5.68
desire.v.01	5.25	4.13	4.55	5.71
express.v.02	4.36	4.39	3.44	4.68
total	100.00	100.00	100.00	100.00

TABLE S316. 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: 19

	g.	p.	i.	h.
evaluate.v.02	23.05	17.16	21.63	24.51
interact.v.01	16.87	21.89	14.37	16.84
put.v.01	9.68	12.43	12.86	8.17
state.v.01	8.95	10.06	7.56	9.22
construct.v.01	6.99	8.58	9.08	6.03
change_magnitude.v.01	5.76	6.80	4.84	5.88
choose.v.01	5.36	5.92	3.78	5.78
modify.v.01	5.19	3.85	6.20	5.08
see.v.01	4.82	4.73	4.99	4.78
take.v.01	4.49	1.18	4.39	5.08
try.v.01	4.42	4.73	4.69	4.29
re-create.v.01	4.42	2.66	5.60	4.33
total	100.00	100.00	100.00	100.00

TABLE S317. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 19

	g.	p.	i.	h.
communicate.v.02	23.78	29.39	19.12	24.36
think.v.01	20.08	14.47	19.82	21.17
increase.v.01	8.47	10.09	6.91	8.72
update.v.01	6.83	5.26	8.06	6.69
install.v.01	6.63	11.40	11.52	4.12
accept.v.01	5.80	3.07	3.46	7.08
bend.v.01	5.80	5.26	6.45	5.68
stage.v.01	5.65	2.63	6.91	5.76
repair.v.01	4.52	4.39	6.22	3.97
write.v.01	4.31	4.39	5.30	3.97
supply.v.01	4.16	7.02	3.23	3.97
read.v.01	3.95	2.63	3.00	4.51
total	100.00	100.00	100.00	100.00

TABLE S318. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 19

	g.	p.	i.	h.
inform.v.01	24.55	35.48	27.78	21.81
add.v.01	14.18	15.32	15.15	13.72
arch.v.01	10.66	9.68	14.14	9.88
see.v.05	8.28	7.26	6.06	9.05
believe.v.01	7.33	2.42	6.06	8.50
submit.v.01	6.95	5.65	8.08	6.86
ask.v.01	5.61	2.42	5.56	6.17
mention.v.01	4.95	3.23	2.53	5.90
roll_up.v.02	4.76	7.26	9.09	3.16
propose.v.01	4.66	4.84	3.03	5.08
talk.v.02	4.28	0.81	1.52	5.62
write.v.02	3.81	5.65	1.01	4.25
total	100.00	100.00	100.00	100.00

TABLE S319. 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: 19

	g.	p.	i.	h.
besides.r.02	18.69	24.39	19.27	17.88
well.r.01	12.53	12.20	14.58	12.01
truly.r.01	10.81	7.32	9.90	11.45
possibly.r.01	9.80	9.76	10.94	9.50
still.r.01	9.49	14.63	8.85	9.08
already.r.01	7.27	8.54	8.85	6.70
even.r.01	6.46	6.10	3.65	7.26
actually.r.01	5.86	4.88	6.77	5.73
enough.r.01	5.25	2.44	2.08	6.42
probably.r.01	5.15	7.32	5.21	4.89
right.r.01	4.34	1.22	4.69	4.61
presently.r.02	4.34	1.22	5.21	4.47
total	100.00	100.00	100.00	100.00

TABLE S320. 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: 19

2. Snapshots of 2000 messages

	g.	p.	i.	h.
N	56.00	56.83	55.68	56.11
ADJ	11.39	11.67	11.76	11.00
VERB	5.80	4.85	5.49	6.29
ADV	26.81	26.65	27.08	26.60
POS	33.33	33.51	33.24	33.37
POS!	96.05	95.81	96.11	96.05

TABLE S321. 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

TABLE S322. 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.
abstraction.n.06	72.31	76.48	71.80	71.87
physical_entity.n.01	27.69	23.52	28.20	28.13
total	100.00	100.00	100.00	100.00

TABLE S323. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 0

	g.	p.	i.	h.
psychological_feature.n.01	22.81	24.93	23.11	22.08
communication.n.02	19.73	20.13	18.27	20.97
object.n.01	15.43	12.42	15.78	15.77
measure.n.02	11.21	13.06	11.62	10.45
group.n.01	7.43	8.20	7.99	6.75
attribute.n.02	6.95	6.20	6.91	7.14
causal_agent.n.01	6.56	6.11	6.49	6.71
matter.n.03	4.60	3.92	4.92	4.46
relation.n.01	4.18	3.96	3.89	4.48
thing.n.12	0.62	0.49	0.48	0.79
process.n.06	0.48	0.58	0.55	0.40
set.n.02	0.01	0.00	0.02	0.01
total	100.00	100.00	100.00	100.00

TABLE S324. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 0

	g.	p.	i.	h.
cognition.n.01	16.78	14.43	17.24	16.89
whole.n.02	13.17	10.41	13.84	13.17
event.n.01	12.53	16.93	12.13	11.91
definite_quantity.n.01	11.44	13.45	12.25	10.24
message.n.02	10.71	11.79	9.69	11.40
person.n.01	8.50	7.74	8.39	8.76
location.n.01	5.99	4.78	6.05	6.20
written_communication.n.01	4.83	6.39	4.56	4.72
substance.n.01	4.71	4.08	5.16	4.43
collection.n.01	4.14	3.53	3.97	4.43
state.n.02	3.93	4.02	3.88	3.96
expressive_style.n.01	3.28	2.45	2.84	3.88
total	100.00	100.00	100.00	100.00

TABLE S325. 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.
public.a.01	23.81	17.52	15.83	33.36
like.a.01	16.12	10.51	16.66	16.82
new.a.01	9.50	10.51	9.18	9.60
short.a.01	8.31	15.29	12.20	2.80
different.a.01	7.25	4.14	6.03	9.18
long.a.01	6.78	14.65	10.90	0.84
certain.a.02	5.28	4.46	5.14	5.61
able.a.01	4.94	3.82	4.25	5.89
available.a.01	4.78	7.96	5.69	3.15
chief.s.01	4.56	2.87	5.07	4.41
possible.a.01	4.38	6.05	4.73	3.64
good.a.01	4.28	2.23	4.32	4.70
total	100.00	100.00	100.00	100.00

TABLE S326. 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.
act.v.01	12.47	15.99	12.83	11.37
make.v.03	12.24	10.60	10.30	14.44
think.v.03	12.09	11.35	12.96	11.43
move.v.02	10.47	13.67	10.23	10.02
change.v.01	9.39	8.62	9.57	9.37
use.v.01	8.11	6.63	8.48	8.07
travel.v.01	7.94	9.03	7.51	8.11
get.v.01	5.94	8.29	5.64	5.71
change.v.02	5.75	4.14	5.64	6.20
perceive.v.01	5.49	3.31	6.41	5.09
desire.v.01	5.36	4.56	5.69	5.21
be.v.01	4.76	3.81	4.74	4.98
total	100.00	100.00	100.00	100.00

TABLE S327. 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.
evaluate.v.02	17.25	17.34	17.60	16.90
interact.v.01	13.35	16.53	13.45	12.57
put.v.01	11.59	15.89	11.55	10.68
create_verbally.v.01	9.93	4.98	6.16	14.63
see.v.01	8.02	5.46	7.84	8.76
state.v.01	7.86	6.90	8.02	7.93
try.v.01	7.17	9.15	8.13	5.83
change_magnitude.v.01	5.81	4.49	5.90	6.01
keep.v.03	5.26	6.90	5.83	4.36
associate.v.01	4.85	2.73	6.38	3.84
look.v.02	4.64	4.65	4.92	4.36
label.v.01	4.25	4.98	4.23	4.12
total	100.00	100.00	100.00	100.00

TABLE S328. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 0

	g.	p.	i.	h.
communicate.v.02	21.14	22.98	22.44	19.57
write.v.01	16.63	7.58	10.87	23.83
think.v.01	12.76	8.31	15.05	11.77
increase.v.01	9.62	6.60	10.35	9.67
save.v.02	7.44	9.78	8.87	5.63
name.v.01	6.88	7.58	7.14	6.48
install.v.01	6.48	11.00	7.40	4.61
expect.v.01	5.13	8.07	4.82	4.72
supply.v.01	4.25	8.80	3.67	3.70
accept.v.01	3.33	3.42	3.41	3.24
read.v.01	3.30	2.69	3.34	3.41
declare.v.01	3.04	3.18	2.64	3.36
total	100.00	100.00	100.00	100.00

TABLE S329. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 0

	g.	p.	i.	h.
inform.v.01	30.32	31.98	30.69	29.51
add.v.01	17.83	12.16	18.17	19.00
record.v.01	14.66	18.02	16.61	11.83
upgrade.v.01	5.29	5.41	3.73	6.81
see.v.05	5.13	4.50	6.62	3.82
submit.v.01	4.60	5.41	3.85	5.14
believe.v.01	4.07	1.80	3.25	5.50
mention.v.01	4.02	3.15	2.77	5.50
post.v.01	3.92	1.80	4.93	3.46
assume.v.01	3.54	3.60	3.25	3.82
permit.v.01	3.39	8.56	3.01	2.39
ask.v.01	3.23	3.60	3.13	3.23
total	100.00	100.00	100.00	100.00

TABLE S330. 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.
besides.r.02	12.79	14.10	14.65	11.22
well.r.01	11.74	6.41	10.18	13.70
possibly.r.01	10.63	10.90	10.85	10.43
still.r.01	9.95	5.77	10.99	9.83
truly.r.01	9.00	7.05	9.63	8.84
already.r.01	8.05	12.18	7.19	8.04
even.r.01	8.05	9.62	7.46	8.24
probably.r.01	6.58	4.49	4.75	8.24
yet.r.01	6.32	7.05	7.06	5.66
actually.r.01	6.00	3.85	5.02	7.05
back.r.01	5.84	9.62	5.56	5.46
however.r.01	5.05	8.97	6.65	3.28
total	100.00	100.00	100.00	100.00

TABLE S331. 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.
N	89.12	89.85	88.81	89.30
ADJ	2.85	2.39	2.85	3.00
VERB	0.25	0.17	0.29	0.22
ADV	7.78	7.58	8.04	7.48
POS	22.18	22.02	22.40	21.93
POS!	95.60	95.09	95.35	96.15

TABLE S332. 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

TABLE S333. 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.
abstraction.n.06	62.96	62.15	62.04	64.53
physical_entity.n.01	37.04	37.85	37.96	35.47
total	100.00	100.00	100.00	100.00

TABLE S334. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 2

	g.	p.	i.	h.
communication.n.02	24.22	24.96	23.40	25.09
matter.n.03	17.61	19.01	18.06	16.48
psychological_feature.n.01	15.09	15.64	14.77	15.33
measure.n.02	13.94	11.97	14.37	14.05
causal_agent.n.01	9.91	9.58	9.82	10.14
object.n.01	9.17	8.75	9.75	8.51
attribute.n.02	7.20	7.06	6.96	7.58
group.n.01	1.32	1.36	1.29	1.34
relation.n.01	1.20	1.18	1.25	1.14
thing.n.12	0.20	0.29	0.19	0.19
process.n.06	0.15	0.21	0.14	0.15
total	100.00	100.00	100.00	100.00

TABLE S335. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 2

	g.	p.	i.	h.
message.n.02	22.76	23.35	21.74	23.97
substance.n.01	15.88	17.20	16.18	15.00
definite_quantity.n.01	13.51	11.62	14.20	13.22
person.n.01	10.48	10.01	10.31	10.89
event.n.01	10.28	10.84	10.47	9.82
whole.n.02	8.18	8.15	8.54	7.70
cognition.n.01	5.99	5.98	5.46	6.74
property.n.02	5.04	4.81	4.84	5.39
substance.n.07	2.78	3.11	2.82	2.59
state.n.02	2.30	2.50	2.35	2.16
written_communication.n.01	1.42	1.32	1.49	1.36
location.n.01	1.38	1.11	1.60	1.17
total	100.00	100.00	100.00	100.00

TABLE S336. 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.
apt.s.01	26.99	22.50	32.78	21.26
net.a.01	16.06	15.00	13.89	18.94
chief.s.01	11.88	10.00	11.11	13.29
capable.s.02	10.93	13.75	11.94	8.97
free.a.01	7.15	11.25	6.94	6.31
local.a.01	4.59	2.50	6.67	2.66
anti.a.01	4.32	1.25	0.00	10.30
unstable.a.01	4.32	10.00	3.33	3.99
all_right.s.01	4.32	12.50	3.61	2.99
first.a.01	3.51	0.00	0.56	7.97
mobile.s.01	2.97	0.00	6.11	0.00
stable.a.01	2.97	1.25	3.06	3.32
total	100.00	100.00	100.00	100.00

TABLE S337. 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.
act.v.01	61.16	64.92	55.11	68.92
move.v.02	8.38	7.64	9.64	6.75
travel.v.01	6.69	7.40	6.89	6.15
get.v.01	4.86	3.10	6.37	3.20
change.v.02	3.47	3.58	4.59	1.73
think.v.03	3.29	3.58	3.79	2.42
change.v.01	2.96	2.86	3.21	2.60
make.v.03	2.74	2.86	2.81	2.60
make.v.01	2.23	0.72	2.41	2.51
include.v.01	1.42	0.48	2.18	0.61
designate.v.01	1.42	1.91	1.09	1.73
connect.v.01	1.39	0.95	1.89	0.78
total	100.00	100.00	100.00	100.00

TABLE S338. 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.
interact.v.01	75.45	77.42	71.31	80.39
put.v.01	5.06	3.52	6.13	4.13
evaluate.v.02	3.91	4.11	4.77	2.68
send.v.01	3.50	4.40	3.56	3.10
modify.v.01	2.28	2.05	3.41	0.83
label.v.01	1.79	2.35	1.44	2.06
keep.v.03	1.71	0.88	1.21	2.68
create_verbally.v.01	1.44	2.93	2.04	0.10
change_magnitude.v.01	1.41	0.59	2.04	0.83
try.v.01	1.18	0.88	1.06	1.44
check.v.01	1.14	0.59	1.89	0.31
state.v.01	1.14	0.29	1.14	1.44
total	100.00	100.00	100.00	100.00

TABLE S339. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 2

	g.	p.	i.	h.
communicate.v.02	82.04	81.11	78.09	87.71
install.v.01	3.66	2.48	5.02	2.25
update.v.01	2.24	2.17	3.26	0.90
name.v.01	1.95	2.48	1.59	2.25
rate.v.01	1.83	0.93	2.42	1.35
save.v.02	1.62	0.62	1.00	2.82
write.v.01	1.58	3.10	2.26	0.11
increase.v.01	1.45	0.62	2.17	0.79
accept.v.01	1.16	0.62	1.59	0.79
deny.v.01	0.83	3.10	0.67	0.23
coincide.v.01	0.83	0.00	1.25	0.56
think.v.01	0.79	2.79	0.67	0.23
total	100.00	100.00	100.00	100.00

TABLE S340. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 2

	g.	p.	i.	h.
reach.v.04	88.40	89.45	86.65	90.28
upgrade.v.01	2.05	1.09	2.76	1.46
record.v.01	1.82	0.73	1.14	3.04
add.v.01	1.30	0.36	1.91	0.85
write.v.02	1.16	0.00	0.00	3.04
inform.v.01	1.07	4.00	1.05	0.12
believe.v.01	1.02	0.73	1.62	0.36
overlap.v.01	0.93	0.00	1.43	0.61
see.v.05	0.70	3.27	0.57	0.00
integrate.v.01	0.56	0.00	0.95	0.24
adhere.v.06	0.51	0.36	0.95	0.00
configure.v.01	0.47	0.00	0.95	0.00
total	100.00	100.00	100.00	100.00

TABLE S341. 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.
back.r.01	20.59	0.00	25.53	13.33
right.r.01	11.76	0.00	17.02	0.00
forward.r.01	10.29	33.33	4.26	20.00
ever.r.01	8.82	0.00	12.77	0.00
first.r.01	7.35	0.00	6.38	13.33
well.r.01	7.35	0.00	6.38	13.33
even.r.01	5.88	0.00	2.13	20.00
presently.r.02	5.88	0.00	6.38	6.67
newly.r.01	5.88	0.00	6.38	6.67
still.r.01	5.88	0.00	6.38	6.67
besides.r.02	5.88	16.67	6.38	0.00
late.r.01	4.41	50.00	0.00	0.00
total	100.00	100.00	100.00	100.00

TABLE S342. 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.
N	57.64	58.43	58.70	56.54
ADJ	12.30	12.25	11.26	13.13
VERB	5.18	4.38	5.04	5.58
ADV	24.88	24.94	25.01	24.76
POS	33.82	34.28	33.13	34.22
POS!	93.24	94.21	92.79	93.27

TABLE S343. 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

TABLE S344. 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.
abstraction.n.06	70.13	70.19	69.74	70.44
physical_entity.n.01	29.87	29.81	30.26	29.56
total	100.00	100.00	100.00	100.00

TABLE S345. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 3

	g.	p.	i.	h.
psychological_feature.n.01	20.49	20.22	18.64	22.09
measure.n.02	18.64	18.45	20.90	16.85
object.n.01	17.84	17.63	17.63	18.08
communication.n.02	17.05	18.35	17.04	16.59
causal_agent.n.01	7.59	7.09	8.45	7.08
attribute.n.02	6.27	6.68	5.93	6.40
relation.n.01	4.44	3.69	4.12	4.96
matter.n.03	3.39	4.02	3.30	3.23
group.n.01	3.25	2.79	3.09	3.55
process.n.06	0.59	0.66	0.44	0.68
thing.n.12	0.46	0.41	0.44	0.50
set.n.02	0.01	0.00	0.01	0.01
total	100.00	100.00	100.00	100.00

TABLE S346. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 3

	g.	p.	i.	h.
definite_quantity.n.01	19.76	19.64	22.06	17.90
event.n.01	18.37	17.75	16.69	19.99
whole.n.02	13.06	12.76	12.39	13.72
person.n.01	9.15	7.89	10.20	8.74
cognition.n.01	7.13	7.23	6.40	7.69
message.n.02	6.84	8.03	7.16	6.16
written_communication.n.01	5.54	5.50	4.60	6.33
location.n.01	5.23	4.19	5.30	5.56
message.n.01	4.69	5.33	5.29	3.97
state.n.02	4.14	4.37	3.98	4.20
land.n.04	3.42	4.06	3.61	3.02
substance.n.01	2.67	3.26	2.33	2.73
total	100.00	100.00	100.00	100.00

TABLE S347. 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.
net.a.01	53.93	46.94	55.24	55.19
like.a.01	7.88	7.70	8.41	7.61
free.a.01	6.16	8.80	6.16	5.39
new.a.01	4.99	5.99	5.15	4.60
productive.a.01	4.38	2.81	3.91	5.13
many.a.01	3.80	3.42	3.26	4.24
certain.a.02	3.44	2.32	2.61	4.27
open.a.01	3.27	5.13	3.67	2.48
good.a.01	3.25	1.96	3.49	3.48
available.a.01	3.12	3.67	1.48	3.95
chief.s.01	3.06	8.68	3.61	1.08
multiple.a.01	2.72	2.57	3.02	2.59
total	100.00	100.00	100.00	100.00

TABLE S348. 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.
transfer.v.05	14.95	11.51	13.74	17.06
act.v.01	12.45	14.53	13.26	11.11
travel.v.01	10.03	10.10	9.92	10.09
move.v.02	9.18	12.00	10.03	7.56
make.v.03	9.01	8.03	8.24	9.93
think.v.03	7.46	7.04	7.98	7.20
use.v.01	7.21	7.78	6.98	7.19
change.v.01	7.03	5.92	6.86	7.54
get.v.01	7.00	8.40	8.28	5.55
support.v.01	6.25	5.13	5.09	7.51
change.v.02	5.29	5.50	5.45	5.09
perceive.v.01	4.15	4.06	4.16	4.17
total	100.00	100.00	100.00	100.00

TABLE S349. 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.
give.v.03	25.37	19.96	23.61	28.49
interact.v.01	11.94	12.06	12.64	11.38
help.v.01	9.81	7.90	8.01	11.78
evaluate.v.02	9.60	9.26	10.84	8.80
travel_rapidly.v.01	6.95	7.75	7.53	6.26
try.v.01	5.96	9.62	5.69	4.95
see.v.01	5.65	4.95	5.63	5.90
put.v.01	5.55	9.48	5.98	3.92
construct.v.01	5.35	5.74	4.44	5.90
state.v.01	4.79	5.10	5.53	4.13
keep.v.03	4.54	3.59	4.54	4.85
send.v.01	4.48	4.59	5.56	3.63
total	100.00	100.00	100.00	100.00

TABLE S350. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 3

	g.	p.	i.	h.
support.v.02	33.53	28.40	29.63	38.10
communicate.v.02	16.36	18.08	17.25	15.16
run.v.01	10.95	13.11	11.50	9.85
think.v.01	7.50	6.67	8.40	7.07
save.v.02	5.91	5.10	5.70	6.32
rebuild.v.01	4.60	6.67	4.03	4.40
supply.v.01	4.48	3.28	3.93	5.27
increase.v.01	4.30	3.88	4.62	4.17
read.v.01	3.95	2.43	5.85	2.97
install.v.01	3.24	6.80	3.49	1.96
expect.v.01	2.86	2.91	2.70	2.97
write.v.01	2.32	2.67	2.90	1.77
total	100.00	100.00	100.00	100.00

TABLE S351. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 3

	g.	p.	i.	h.
sponsor.v.01	50.05	46.80	46.56	53.29
inform.v.01	15.64	18.00	16.22	14.62
record.v.01	8.82	8.40	8.96	8.84
add.v.01	5.06	5.80	6.10	4.16
offer.v.01	3.11	2.00	3.55	3.10
see.v.05	2.98	2.40	3.40	2.84
operate.v.01	2.92	1.80	3.24	3.00
communicate.v.01	2.54	3.20	3.09	2.00
address.v.01	2.52	3.00	3.86	1.47
debug.v.01	2.44	5.60	1.24	2.42
mention.v.01	1.98	1.60	2.16	1.95
think.v.02	1.95	1.40	1.62	2.31
total	100.00	100.00	100.00	100.00

TABLE S352. 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.
besides.r.02	14.61	22.01	15.20	12.47
well.r.01	14.13	10.07	11.08	17.01
better.r.01	12.12	9.70	10.23	13.89
possibly.r.01	11.41	9.70	10.09	12.64
truly.r.01	7.97	6.34	10.09	7.03
still.r.01	7.11	7.84	10.80	4.63
even.r.01	6.68	9.33	7.53	5.52
merely.r.01	5.97	3.73	2.56	8.64
however.r.01	5.44	6.34	7.39	4.01
quicker.r.01	5.39	5.22	3.41	6.68
never.r.01	4.77	6.72	5.11	4.10
back.r.01	4.39	2.99	6.53	3.38
total	100.00	100.00	100.00	100.00

TABLE S353. 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.
N	79.24	64.92	81.82	85.24
ADJ	8.97	11.88	8.27	7.93
VERB	1.52	4.61	0.96	0.25
ADV	10.26	18.59	8.95	6.59
POS	20.06	28.24	18.49	18.45
POS!	90.69	93.17	90.01	89.93

TABLE S354. 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

TABLE S355. 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.
abstraction.n.06	69.01	73.72	70.74	65.13
physical_entity.n.01	30.99	26.28	29.26	34.87
total	100.00	100.00	100.00	100.00

TABLE S356. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 7

	g.	p.	i.	h.
measure.n.02	21.08	18.05	23.71	19.87
communication.n.02	15.86	14.49	15.76	16.60
attribute.n.02	14.56	11.41	16.51	14.08
object.n.01	12.82	11.43	11.40	14.87
matter.n.03	9.19	5.02	9.14	11.16
psychological_feature.n.01	8.89	16.55	7.28	6.95
causal_agent.n.01	7.63	8.15	7.19	7.83
group.n.01	5.64	8.05	4.72	5.44
relation.n.01	2.97	5.17	2.76	2.18
thing.n.12	0.83	0.80	1.01	0.67
process.n.06	0.52	0.88	0.52	0.35
total	100.00	100.00	100.00	100.00

TABLE S357. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 7

	g.	p.	i.	h.
definite_quantity.n.01	22.82	20.05	25.89	20.95
shape.n.02	12.21	5.37	14.69	12.61
written_communication.n.01	11.97	9.31	12.71	12.35
whole.n.02	10.79	8.78	9.51	12.88
substance.n.01	8.98	4.85	8.28	11.38
person.n.01	7.11	9.83	6.41	6.66
event.n.01	6.46	13.07	5.63	4.52
social_group.n.01	5.06	4.95	4.93	5.23
cognition.n.01	4.22	8.49	3.03	3.63
state.n.02	3.53	5.47	3.68	2.57
message.n.02	3.49	4.42	2.48	4.10
location.n.01	3.36	5.41	2.76	3.10
total	100.00	100.00	100.00	100.00

TABLE S358. 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.
public.a.01	79.46	57.49	83.54	83.02
free.a.01	3.50	16.91	1.06	1.27
net.a.01	2.85	6.76	3.19	1.27
chief.s.01	2.21	2.42	3.19	1.27
local.a.01	1.71	0.00	1.42	2.54
new.a.01	1.64	7.73	0.35	0.79
like.a.01	1.64	8.70	0.53	0.32
hungarian.a.01	1.50	0.00	0.00	3.33
clean.a.01	1.43	0.00	0.00	3.17
dangerous.a.01	1.36	0.00	0.00	3.02
confidential.s.01	1.36	0.00	3.36	0.00
privileged.a.01	1.36	0.00	3.36	0.00
total	100.00	100.00	100.00	100.00

TABLE S359. 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.
change.v.01	17.14	8.93	20.94	23.82
move.v.02	12.45	12.73	18.07	6.22
act.v.01	11.62	17.52	11.29	4.29
get.v.01	9.63	10.08	8.01	10.73
think.v.03	8.99	8.10	5.13	14.16
make.v.03	8.47	6.28	4.11	15.88
travel.v.01	7.00	11.07	3.29	5.58
change.v.02	6.93	8.60	7.80	3.86
make.v.01	5.58	7.27	6.16	2.79
use.v.01	4.69	4.63	6.37	3.00
necessitate.v.01	3.79	1.49	1.03	9.66
express.v.02	3.72	3.31	7.80	0.00
total	100.00	100.00	100.00	100.00

TABLE S360. 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.
damage.v.01	17.52	5.77	12.04	34.89
evaluate.v.02	14.85	17.69	5.86	22.66
interact.v.01	11.95	21.92	10.80	3.96
create_verbally.v.01	8.70	1.15	2.78	22.66
transfer.v.02	6.61	4.23	13.58	0.72
state.v.01	6.50	6.92	11.73	0.00
please.v.01	6.26	3.46	12.65	1.44
change_magnitude.v.01	6.15	7.69	7.10	3.60
put.v.01	5.92	2.69	9.57	4.68
send.v.01	5.68	12.69	2.47	2.88
try.v.01	5.34	10.00	5.25	1.08
receive.v.01	4.52	5.77	6.17	1.44
total	100.00	100.00	100.00	100.00

TABLE S361. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 7

	g.	p.	i.	h.
mar.v.01	23.07	8.28	17.11	37.16
communicate.v.02	15.48	35.03	15.35	3.83
write.v.01	11.61	1.91	3.95	24.14
convey.v.03	8.67	6.37	19.30	0.77
think.v.01	8.20	10.83	0.88	13.03
increase.v.01	8.05	12.10	10.09	3.83
accept.v.01	4.64	3.18	2.19	7.66
read.v.01	4.49	8.92	4.39	1.92
marry.v.01	4.02	1.27	7.89	2.30
expect.v.01	4.02	10.83	1.32	2.30
break.v.10	3.87	0.00	10.96	0.00
coincide.v.01	3.87	1.27	6.58	3.07
total	100.00	100.00	100.00	100.00

TABLE S362. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 7

	g.	p.	i.	h.
inform.v.01	16.07	32.56	6.80	14.89
communicate.v.01	13.21	11.63	17.01	4.26
add.v.01	10.36	9.30	9.52	14.89
interrupt.v.01	8.93	0.00	17.01	0.00
overlap.v.01	8.93	2.33	10.20	17.02
believe.v.01	8.57	4.65	0.68	40.43
write.v.07	8.21	3.49	12.93	2.13
address.v.01	8.21	2.33	14.29	0.00
tug.v.02	4.64	13.95	0.68	0.00
grow.v.02	4.64	4.65	4.08	6.38
record.v.01	4.29	2.33	6.80	0.00
talk.v.01	3.93	12.79	0.00	0.00
total	100.00	100.00	100.00	100.00

TABLE S363. 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.
therefore.r.01	13.74	22.32	0.00	0.00
legally.r.01	10.99	0.89	28.36	0.00
strictly.r.01	10.44	0.00	28.36	0.00
entirely.r.02	10.44	0.00	28.36	0.00
besides.r.02	10.44	14.29	2.99	33.33
however.r.01	8.24	11.61	1.49	33.33
even.r.01	7.69	11.61	1.49	0.00
back.r.01	7.69	8.93	4.48	33.33
merely.r.01	6.04	9.82	0.00	0.00
truly.r.01	4.95	8.04	0.00	0.00
less.r.01	4.95	6.25	2.99	0.00
right.r.01	4.40	6.25	1.49	0.00
total	100.00	100.00	100.00	100.00

TABLE S364. 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.
N	54.22	59.67	53.62	52.35
ADJ	11.11	11.19	10.48	11.37
VERB	7.98	5.61	7.98	8.92
ADV	26.69	23.53	27.91	27.36
POS	33.08	33.55	33.23	32.84
POS!	95.57	94.88	95.58	95.85

TABLE S365. 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

TABLE S366. 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.
abstraction.n.06	65.97	66.76	65.31	65.94
physical_entity.n.01	34.03	33.24	34.69	34.06
total	100.00	100.00	100.00	100.00

TABLE S367. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 8

	g.	p.	i.	h.
object.n.01	23.18	21.77	23.77	23.53
measure.n.02	22.35	23.99	21.05	22.25
psychological_feature.n.01	16.89	16.20	18.12	16.61
communication.n.02	12.89	12.98	13.47	12.58
attribute.n.02	7.00	6.13	6.43	7.68
causal_agent.n.01	5.45	6.97	5.67	4.66
matter.n.03	4.31	3.37	3.95	4.90
group.n.01	3.68	4.24	3.45	3.55
relation.n.01	3.14	3.22	2.79	3.28
thing.n.12	0.63	0.72	0.57	0.62
process.n.06	0.46	0.41	0.73	0.36
total	100.00	100.00	100.00	100.00

TABLE S368. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 8

	g.	p.	i.	h.
whole.n.02	24.69	21.51	26.97	25.05
definite_quantity.n.01	22.65	24.01	21.53	22.58
event.n.01	12.35	11.40	13.51	12.22
cognition.n.01	8.18	8.00	8.66	8.03
message.n.02	6.52	7.48	6.67	5.99
written_communication.n.01	5.23	4.94	5.29	5.32
person.n.01	5.03	6.52	4.74	4.48
substance.n.01	4.35	3.40	3.86	5.02
state.n.02	4.08	3.65	3.60	4.52
location.n.01	2.94	3.92	2.19	2.85
property.n.02	2.02	1.76	1.87	2.20
fundamental_quantity.n.01	1.98	3.40	1.11	1.75
total	100.00	100.00	100.00	100.00

TABLE S369. 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.
like.a.01	18.43	15.57	18.98	19.08
public.a.01	17.24	19.16	23.15	14.31
new.a.01	15.30	15.57	15.74	15.05
good.a.01	8.19	5.39	9.26	8.62
many.a.01	5.93	7.78	0.46	7.52
certain.a.02	5.82	4.19	3.24	7.34
different.a.01	5.28	9.58	1.39	5.50
much.a.01	4.96	4.79	5.56	4.77
last.s.01	4.96	4.19	6.94	4.40
current.a.01	4.85	5.99	6.48	3.85
able.a.01	4.74	2.99	4.17	5.50
large.a.01	4.31	4.79	4.63	4.04
total	100.00	100.00	100.00	100.00

TABLE S370. 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.
act.v.01	12.91	14.98	14.39	11.59
change.v.01	11.39	13.99	12.60	10.02
move.v.02	11.12	8.37	10.29	12.35
think.v.03	9.92	9.58	9.55	10.19
make.v.03	9.92	9.91	9.02	10.33
travel.v.01	9.86	9.03	9.69	10.19
change.v.02	7.95	7.49	7.83	8.14
get.v.01	6.63	6.06	5.97	7.11
make.v.01	5.95	5.51	6.79	5.71
use.v.01	5.88	6.39	6.34	5.51
perceive.v.01	4.41	5.51	3.80	4.34
express.v.02	4.08	3.19	3.73	4.51
total	100.00	100.00	100.00	100.00

TABLE S371. 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.
evaluate.v.02	16.48	15.91	15.37	17.18
interact.v.01	15.38	19.32	17.16	13.31
construct.v.01	11.74	9.55	9.55	13.45
put.v.01	10.75	8.18	11.49	11.20
state.v.01	8.18	6.59	7.31	9.08
see.v.01	7.23	7.50	5.97	7.75
change_magnitude.v.01	6.76	7.50	8.36	5.77
better.v.02	5.02	5.68	4.18	5.21
look.v.02	4.98	6.14	3.88	5.14
try.v.01	4.74	5.91	5.22	4.15
attach.v.01	4.43	4.09	7.76	2.96
travel_rapidly.v.01	4.31	3.64	3.73	4.79
total	100.00	100.00	100.00	100.00

TABLE S372. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 8

	g.	p.	i.	h.
communicate.v.02	24.93	32.03	26.98	21.66
think.v.01	14.78	9.38	13.37	17.20
increase.v.01	11.51	12.89	13.86	9.90
install.v.01	9.40	3.91	10.89	10.40
run.v.01	7.36	6.25	6.19	8.29
repair.v.01	7.15	7.81	5.94	7.55
update.v.01	4.70	4.69	1.73	6.19
expect.v.01	4.70	5.47	4.95	4.33
interrupt.v.04	4.22	3.12	3.96	4.70
load.v.01	4.22	2.73	6.19	3.71
test.v.01	4.02	5.47	3.47	3.84
name.v.01	3.00	6.25	2.48	2.23
total	100.00	100.00	100.00	100.00

TABLE S373. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 8

	g.	p.	i.	h.
inform.v.01	29.29	43.44	25.25	26.83
add.v.01	20.06	20.49	22.28	18.70
see.v.05	6.78	9.02	2.97	8.13
write.v.02	6.35	5.74	13.86	2.44
unify.v.01	5.34	2.46	3.96	7.05
boot.v.01	5.19	0.82	9.41	4.34
ask.v.01	5.05	7.38	3.96	4.88
roll_up.v.02	5.05	4.10	4.46	5.69
propose.v.01	4.62	2.46	1.49	7.05
talk.v.02	4.33	2.46	4.95	4.61
think.v.02	4.04	1.64	5.45	4.07
feel_for.v.01	3.90	0.00	1.98	6.23
total	100.00	100.00	100.00	100.00

TABLE S374. 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.
upriver.r.01	13.95	8.70	12.40	15.52
truly.r.01	13.75	12.17	11.24	15.05
besides.r.02	10.48	14.78	13.18	8.62
still.r.01	8.21	7.83	8.91	7.99
already.r.01	7.91	5.22	9.69	7.68
actually.r.01	7.81	9.57	9.30	6.90
even.r.01	7.72	16.52	5.81	6.90
possibly.r.01	6.73	7.83	7.36	6.27
probably.r.01	6.73	6.09	6.59	6.90
well.r.01	6.43	4.35	5.04	7.37
always.r.01	5.64	3.48	4.65	6.43
alternatively.r.01	4.65	3.48	5.81	4.39
total	100.00	100.00	100.00	100.00

TABLE S375. 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.
N	70.53	86.12	54.40	53.80
ADJ	10.25	6.64	14.14	14.01
VERB	3.39	0.88	5.74	6.27
ADV	15.83	6.36	25.72	25.92
POS	30.41	27.25	34.20	34.97
POS!	91.58	88.04	95.47	95.76

TABLE S376. 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

TABLE S377. 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.
abstraction.n.06	67.51	62.87	75.63	75.10
physical_entity.n.01	32.49	37.13	24.37	24.90
total	100.00	100.00	100.00	100.00

TABLE S378. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 10

	g.	p.	i.	h.
communication.n.02	20.66	17.24	25.39	27.15
matter.n.03	15.68	21.83	5.31	5.32
measure.n.02	13.24	13.53	13.71	12.06
attribute.n.02	12.32	16.37	5.28	5.66
object.n.01	11.41	12.65	8.71	9.74
psychological_feature.n.01	9.97	4.56	19.79	18.60
group.n.01	8.56	9.32	7.30	7.30
causal_agent.n.01	4.74	2.24	9.43	8.60
relation.n.01	2.75	1.86	4.17	4.34
thing.n.12	0.40	0.29	0.39	0.72
process.n.06	0.27	0.12	0.53	0.52
total	100.00	100.00	100.00	100.00

TABLE S379. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 10

	g.	p.	i.	h.
substance.n.01	19.28	25.61	6.59	7.13
property.n.02	10.77	15.40	2.17	1.39
definite_quantity.n.01	8.84	7.39	13.04	10.66
event.n.01	8.36	2.73	19.19	19.48
location.n.01	8.24	9.99	5.15	4.57
signal.n.01	7.48	10.94	0.42	0.94
fundamental_quantity.n.01	7.30	8.97	3.40	4.54
message.n.02	6.93	2.09	15.81	16.79
whole.n.02	6.18	5.37	6.61	8.64
person.n.01	6.06	2.64	13.22	12.43
social_group.n.01	5.95	5.99	5.81	5.90
cognition.n.01	4.62	2.89	8.60	7.52
total	100.00	100.00	100.00	100.00

TABLE S380. 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.
new.a.01	19.57	18.38	20.67	22.82
solid.s.01	17.53	26.01	0.00	0.19
roman.a.01	11.63	17.30	0.00	0.00
normal.a.01	9.39	13.78	0.33	0.39
like.a.01	9.03	1.91	22.00	24.56
english.a.01	6.86	0.95	18.33	19.34
average.s.04	6.42	9.55	0.00	0.00
many.a.01	5.74	0.78	17.00	15.28
crystalline.s.03	3.97	5.85	0.33	0.00
first.a.01	3.53	0.42	13.00	8.12
possible.a.01	3.17	0.72	7.67	8.51
left.a.01	3.17	4.36	0.67	0.77
total	100.00	100.00	100.00	100.00

TABLE S381. 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.
act.v.01	27.50	23.12	31.53	27.24
move.v.02	8.96	6.60	9.60	9.87
think.v.03	8.54	4.30	10.21	9.83
affirm.v.03	8.53	33.29	0.10	0.10
change.v.02	8.40	12.77	5.46	7.92
change.v.01	7.56	3.57	9.25	8.69
make.v.03	6.25	3.87	7.07	7.05
travel.v.01	6.21	4.84	6.47	6.81
express.v.02	4.78	3.15	5.31	5.35
satisfy.v.02	4.72	1.03	3.89	7.40
necessitate.v.01	4.33	1.69	5.41	5.11
make.v.01	4.22	1.76	5.71	4.62
total	100.00	100.00	100.00	100.00

TABLE S382. 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.
interact.v.01	32.91	16.19	44.19	36.18
confirm.v.02	13.56	48.93	0.09	0.00
evaluate.v.02	8.96	4.54	12.31	9.59
state.v.01	7.58	4.63	9.00	8.53
please.v.01	7.56	1.51	6.72	11.87
see.v.01	4.60	1.78	5.24	5.96
help.v.01	4.58	1.51	4.89	6.30
send.v.01	4.41	1.87	5.59	5.24
set_about.v.01	4.31	14.95	0.09	0.33
put.v.01	4.21	1.69	5.24	5.13
modify.v.01	3.99	1.07	2.79	6.58
associate.v.01	3.35	1.33	3.84	4.29
total	100.00	100.00	100.00	100.00

TABLE S383. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 10

	g.	p.	i.	h.
communicate.v.02	43.29	15.12	64.58	58.53
justify.v.01	18.31	47.25	0.13	0.00
think.v.01	6.94	2.32	11.33	8.81
confront.v.02	5.81	14.43	0.13	0.56
update.v.01	5.22	1.03	4.04	10.58
increase.v.01	3.89	0.77	5.34	6.22
write.v.01	3.49	2.49	4.17	4.08
align.v.01	3.12	7.90	0.00	0.19
die.v.01	3.02	6.70	0.39	0.93
supply.v.01	2.39	0.77	4.43	2.69
convey.v.03	2.36	0.95	2.60	3.71
declare.v.01	2.16	0.26	2.86	3.71
total	100.00	100.00	100.00	100.00

TABLE S384. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 10

	g.	p.	i.	h.
inform.v.01	56.66	69.19	57.67	52.87
ask.v.01	6.92	5.21	6.44	7.68
add.v.01	5.82	2.84	5.37	6.88
talk.v.02	4.73	3.79	5.98	4.01
see.v.05	4.50	3.32	5.37	4.13
communicate.v.01	3.98	5.21	2.76	4.59
post.v.01	3.34	1.90	3.68	3.44
fund-raise.v.01	3.05	1.90	2.15	4.01
enumerate.v.01	2.94	2.84	3.68	2.41
propose.v.01	2.88	0.00	2.61	3.78
mention.v.01	2.77	2.37	2.30	3.21
talk.v.01	2.42	1.42	1.99	2.98
total	100.00	100.00	100.00	100.00

TABLE S385. 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.
besides.r.02	24.22	23.45	24.75	24.14
already.r.01	9.91	9.66	9.03	10.45
well.r.01	9.51	8.97	11.37	8.65
soon.r.01	9.11	8.97	5.02	11.35
still.r.01	8.91	8.97	5.69	10.63
even.r.01	8.61	13.10	8.36	7.57
possibly.r.01	6.91	9.66	9.03	5.05
truly.r.01	5.41	3.45	8.70	4.14
always.r.01	4.70	6.21	3.34	5.05
much.r.01	4.60	3.45	5.35	4.50
presently.r.02	4.10	1.38	3.34	5.23
yet.r.01	4.00	2.76	6.02	3.24
total	100.00	100.00	100.00	100.00

TABLE S386. 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.
N	56.06	54.80	56.74	55.49
ADJ	16.19	15.23	16.22	16.34
VERB	6.87	6.95	6.81	6.94
ADV	20.87	23.02	20.23	21.24
POS	36.24	36.33	36.62	35.78
POS!	95.17	95.67	94.70	95.65

TABLE S387. 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

TABLE S388. 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.
abstraction.n.06	71.93	71.04	71.15	73.06
physical_entity.n.01	28.07	28.96	28.85	26.94
total	100.00	100.00	100.00	100.00

TABLE S389. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 11

	g.	p.	i.	h.
communication.n.02	20.88	21.75	20.70	20.95
psychological_feature.n.01	18.39	19.77	17.29	19.48
measure.n.02	14.68	14.02	15.15	14.23
object.n.01	10.97	12.69	10.88	10.77
causal_agent.n.01	9.43	10.70	9.78	8.77
relation.n.01	7.89	5.61	8.40	7.68
matter.n.03	6.54	4.11	7.11	6.29
attribute.n.02	5.71	6.10	5.24	6.21
group.n.01	4.38	3.78	4.37	4.50
thing.n.12	0.57	0.88	0.53	0.56
process.n.06	0.55	0.59	0.54	0.56
set.n.02	0.00	0.00	0.00	0.01
total	100.00	100.00	100.00	100.00

TABLE S390. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 11

	g.	p.	i.	h.
definite_quantity.n.01	14.04	13.74	14.79	13.17
cognition.n.01	12.39	13.86	11.53	13.19
person.n.01	11.79	13.24	12.17	11.05
event.n.01	10.48	10.83	9.93	11.08
language.n.01	8.55	7.89	8.32	8.95
part.n.01	8.36	5.11	9.10	8.03
whole.n.02	7.80	8.80	7.02	8.58
message.n.02	7.43	8.05	7.10	7.74
substance.n.01	6.42	3.65	6.80	6.45
location.n.01	5.33	6.72	5.98	4.27
written_communication.n.01	4.26	5.23	4.41	3.90
fundamental_quantity.n.01	3.16	2.86	2.85	3.58
total	100.00	100.00	100.00	100.00

TABLE S391. 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.
hebraic.a.02	18.89	22.05	21.98	15.05
biblical.a.01	14.06	11.79	15.68	12.66
like.a.01	10.33	13.85	9.82	10.35
public.a.01	9.80	13.33	5.20	14.25
capable.s.02	6.68	4.62	4.10	9.79
first.a.01	6.25	4.10	6.30	6.53
historical.a.01	6.21	7.18	6.45	5.81
many.a.01	6.07	6.15	6.59	5.49
early.a.01	5.93	4.62	7.03	4.94
common.a.01	5.86	1.54	6.81	5.49
different.a.01	5.68	4.62	5.49	6.05
greek.a.01	4.23	6.15	4.54	3.58
total	100.00	100.00	100.00	100.00

TABLE S392. 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.
act.v.01	25.32	29.43	26.53	23.14
think.v.03	15.89	14.98	15.21	16.84
express.v.02	8.33	8.80	8.58	7.96
make.v.03	7.35	7.36	7.41	7.28
travel.v.01	6.75	6.57	7.03	6.46
be.v.01	6.34	4.47	6.07	7.01
move.v.02	6.03	5.91	4.80	7.43
perceive.v.01	5.39	4.07	5.44	5.59
use.v.01	5.21	2.89	5.79	5.02
change.v.01	4.99	6.96	5.25	4.31
make.v.01	4.27	5.26	3.80	4.60
know.v.01	4.14	3.29	4.10	4.36
total	100.00	100.00	100.00	100.00

TABLE S393. 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.
interact.v.01	32.07	37.61	33.50	29.39
evaluate.v.02	17.06	17.52	15.80	18.42
state.v.01	11.66	13.03	11.64	11.42
create_verbally.v.01	6.68	6.41	6.73	6.67
see.v.01	6.06	4.06	6.59	5.83
look.v.02	5.49	5.13	5.36	5.71
associate.v.01	4.78	4.06	4.87	4.83
interpret.v.01	4.02	5.13	3.63	4.26
label.v.01	3.90	2.56	4.20	3.82
send.v.01	3.28	2.35	1.97	4.95
change_state.v.01	2.54	1.71	2.64	2.57
represent.v.01	2.45	0.43	3.07	2.13
total	100.00	100.00	100.00	100.00

TABLE S394. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 11

	g.	p.	i.	h.
communicate.v.02	43.14	50.58	45.10	39.36
think.v.01	11.96	10.76	11.67	12.54
write.v.01	9.45	8.72	9.45	9.60
think_of.v.04	5.74	4.36	5.84	5.90
name.v.01	5.40	3.49	5.79	5.32
read.v.01	5.00	6.10	4.55	5.32
expect.v.01	4.71	4.94	4.06	5.43
accept.v.01	4.00	3.49	3.46	4.74
declare.v.01	3.05	2.03	3.46	2.77
become.v.01	2.86	1.74	2.77	3.18
note.v.01	2.66	3.20	2.87	2.31
date.v.01	2.03	0.58	0.99	3.53
total	100.00	100.00	100.00	100.00

TABLE S395. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 11

	g.	p.	i.	h.
inform.v.01	50.42	59.35	50.38	48.53
talk.v.02	9.63	11.21	9.30	9.73
mention.v.01	9.31	7.01	8.93	10.33
see.v.05	7.73	5.61	8.47	7.19
propose.v.01	4.00	2.80	4.31	3.85
believe.v.01	3.53	2.80	3.03	4.36
talk.v.01	3.53	1.87	3.86	3.44
ask.v.01	2.81	3.27	2.42	3.24
record.v.01	2.38	0.93	2.19	2.94
assume.v.01	2.34	1.87	2.19	2.63
add.v.01	2.26	3.27	1.97	2.43
spell.v.01	2.06	0.00	2.95	1.32
total	100.00	100.00	100.00	100.00

TABLE S396. 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.
even.r.01	15.86	18.35	16.19	15.13
besides.r.02	13.12	18.35	15.09	10.23
possibly.r.01	10.18	14.68	10.84	8.79
well.r.01	9.79	11.01	9.33	10.09
truly.r.01	8.42	4.59	8.50	8.93
far.r.01	7.64	0.92	5.21	11.24
therefore.r.01	6.79	1.83	7.13	7.20
never.r.01	6.20	4.59	5.49	7.20
wholly.r.01	5.68	2.75	4.66	7.20
however.r.01	5.55	9.17	6.31	4.18
rather.r.01	5.42	6.42	6.17	4.47
actually.r.01	5.35	7.34	5.08	5.33
total	100.00	100.00	100.00	100.00

TABLE S397. 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.
N	64.11	65.47	63.90	62.21
ADJ	9.08	8.58	9.03	10.28
VERB	4.28	4.20	4.28	4.43
ADV	22.53	21.74	22.79	23.08
POS	35.11	33.24	36.15	35.12
POS!	94.46	93.24	95.01	94.77

TABLE S398. 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

TABLE S399. 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.
abstraction.n.06	66.25	65.32	66.88	65.70
physical_entity.n.01	33.75	34.68	33.12	34.30
total	100.00	100.00	100.00	100.00

TABLE S400. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 15

	g.	p.	i.	h.
measure.n.02	22.68	21.47	24.26	19.00
object.n.01	15.31	15.37	15.05	16.18
psychological_feature.n.01	15.11	14.18	15.15	16.88
causal_agent.n.01	11.71	11.52	11.71	12.14
communication.n.02	11.68	11.77	11.31	12.97
attribute.n.02	8.98	8.40	8.99	10.12
matter.n.03	5.24	6.65	4.68	4.50
group.n.01	5.23	6.84	4.64	4.19
relation.n.01	2.55	2.66	2.51	2.51
process.n.06	0.83	0.46	0.99	0.96
thing.n.12	0.67	0.68	0.70	0.52
set.n.02	0.01	0.00	0.01	0.03
total	100.00	100.00	100.00	100.00

TABLE S401. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 15

	g.	p.	i.	h.
definite_quantity.n.01	21.82	22.28	22.51	18.23
whole.n.02	14.08	12.62	14.54	15.14
person.n.01	14.04	13.88	13.90	14.88
event.n.01	13.70	13.68	13.48	14.59
cognition.n.01	5.55	4.92	5.57	6.73
substance.n.01	5.44	7.19	4.73	4.76
location.n.01	5.02	7.26	3.94	4.83
message.n.02	4.86	4.94	4.78	5.06
state.n.02	4.38	4.36	4.47	4.11
written_communication.n.01	4.25	3.68	4.46	4.57
fundamental_quantity.n.01	4.15	3.00	4.91	3.48
indication.n.01	2.70	2.20	2.71	3.61
total	100.00	100.00	100.00	100.00

TABLE S402. 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.
capable.s.02	20.37	23.49	21.07	11.11
new.a.01	16.68	15.87	17.18	16.34
like.a.01	15.21	12.70	15.56	18.95
old.a.01	7.10	2.54	7.94	13.07
good.a.01	5.90	6.35	5.19	7.84
normal.a.01	5.53	10.16	3.73	3.27
certain.a.02	5.44	6.03	5.19	5.23
spare.s.01	5.07	4.44	4.38	9.15
last.s.01	5.07	4.13	5.51	5.23
large.a.01	4.61	2.54	5.35	5.88
full.a.01	4.61	4.76	5.02	2.61
confidential.s.01	4.42	6.98	3.89	1.31
total	100.00	100.00	100.00	100.00

TABLE S403. 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.
act.v.01	17.81	17.06	17.58	20.10
use.v.01	10.66	12.08	10.60	8.25
move.v.02	10.57	11.74	10.69	7.86
travel.v.01	10.06	10.72	10.02	9.02
think.v.03	9.03	7.71	8.73	12.76
change.v.01	8.98	7.99	9.11	10.31
get.v.01	7.50	8.19	7.18	7.47
change.v.02	7.39	7.30	7.60	6.70
make.v.03	5.97	5.46	5.99	6.83
perceive.v.01	4.25	4.91	4.06	3.74
connect.v.01	4.08	4.10	4.25	3.35
be.v.01	3.70	2.73	4.19	3.61
total	100.00	100.00	100.00	100.00

TABLE S404. 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.
interact.v.01	22.30	21.39	22.93	21.52
evaluate.v.02	14.72	14.03	13.99	18.90
travel_rapidly.v.01	8.15	8.47	8.81	4.99
send.v.01	7.92	8.47	8.07	6.30
state.v.01	7.46	7.36	7.53	7.35
see.v.01	6.72	7.78	6.32	6.30
put.v.01	6.65	7.08	6.59	6.04
try.v.01	6.57	7.50	5.45	9.19
change_magnitude.v.01	5.91	6.81	5.85	4.46
attach.v.01	5.14	4.03	5.92	4.20
take.v.01	4.37	3.06	4.30	7.09
keep.v.03	4.10	4.03	4.24	3.67
total	100.00	100.00	100.00	100.00

TABLE S405. Counts for the most incident synsets one step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 15

	g.	p.	i.	h.
communicate.v.02	32.86	32.66	33.33	31.19
run.v.01	13.03	13.65	13.73	8.72
increase.v.01	8.89	10.29	8.49	7.80
think.v.01	6.61	6.49	5.87	10.09
save.v.02	5.62	5.59	5.66	5.50
convey.v.03	5.44	6.71	5.35	3.21
manipulate.v.02	5.37	6.26	3.67	11.01
write.v.01	4.76	5.82	4.19	5.05
rate.v.01	4.76	4.03	4.61	6.88
accept.v.01	4.39	4.03	4.93	2.75
marry.v.01	4.32	0.89	6.92	0.00
expect.v.01	3.95	3.58	3.25	7.80
total	100.00	100.00	100.00	100.00

TABLE S406. Counts for the most incident synsets two step from the semantic roots in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 15

	g.	p.	i.	h.
inform.v.01	30.31	33.79	31.49	18.12
add.v.01	12.39	14.68	11.92	9.42
record.v.01	9.16	8.53	9.61	8.70
operate.v.03	8.56	8.87	6.23	17.39
upgrade.v.01	7.25	5.46	7.83	8.70
communicate.v.01	5.84	7.17	5.69	3.62
ask.v.01	5.44	4.78	5.52	6.52
talk.v.02	5.24	3.07	4.98	10.87
restrain.v.01	4.13	2.73	4.09	7.25
write.v.07	4.03	6.48	2.67	4.35
write.v.02	3.93	0.00	6.58	1.45
see.v.05	3.73	4.44	3.38	3.62
total	100.00	100.00	100.00	100.00

TABLE S407. 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.
besides.r.02	22.99	24.61	21.11	26.21
still.r.01	11.34	10.47	12.90	7.77
even.r.01	9.61	7.33	10.26	11.65
possibly.r.01	7.87	6.81	6.16	15.53
immediately.r.01	7.72	9.95	7.92	2.91
well.r.01	7.40	5.76	7.92	8.74
far.r.01	6.30	7.85	6.45	2.91
however.r.01	6.14	7.85	6.45	1.94
back.r.01	5.83	3.66	5.87	9.71
truly.r.01	5.04	5.24	4.69	5.83
never.r.01	4.88	5.24	5.57	1.94
presently.r.02	4.88	5.24	4.69	4.85
total	100.00	100.00	100.00	100.00

TABLE S408. 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

H. Differentiation of the texts from Erdös sectors

1. Snapshots of 1000 messages

	g.	p.	i.	h.
g.	0.000	1.950	1.135	1.588
	0.000	0.017	0.007	0.008
p.	1.950	0.000	1.794	2.710
	0.017	0.000	0.017	0.025
i.	1.135	1.794	0.000	2.242
	0.007	0.017	0.000	0.014
h.	1.588	2.710	2.242	0.000
	0.008	0.025	0.014	0.000

TABLE S409. KS distances on size of tokens. TAG: 0. TAG: 0

	g.	p.	i.	h.
g.	0.000	1.343	1.886	1.258
	0.000	0.021	0.020	0.011
p.	1.343	0.000	2.109	1.004
	0.021	0.000	0.037	0.017
i.	1.886	2.109	0.000	2.667
	0.020	0.037	0.000	0.030
h.	1.258	1.004	2.667	0.000
	0.011	0.017	0.030	0.000

TABLE S410. KS distances on size of known words. TAG: 0. TAG: 0

	g.	p.	i.	h.
g.	0.000	1.811	0.983	1.497
	0.000	0.083	0.031	0.040
p.	1.811	0.000	1.323	2.539
	0.083	0.000	0.067	0.122
i.	0.983	1.323	0.000	2.055
	0.031	0.067	0.000	0.071
h.	1.497	2.539	2.055	0.000
	0.040	0.122	0.071	0.000

TABLE S411. KS distances on size of sentences. TAG: 0. TAG: 0

	g.	p.	i.	h.
g.	0.000	1.198	0.995	1.045
	0.000	0.055	0.031	0.028
p.	1.198	0.000	0.863	1.569
	0.055	0.000	0.044	0.075
i.	0.995	0.863	0.000	1.705
	0.031	0.044	0.000	0.059
h.	1.045	1.569	1.705	0.000
	0.028	0.075	0.059	0.000

TABLE S412. KS distances on use of adjectives on sentences. TAG: 0. TAG: 0

	g.	p.	i.	h.
g.	0.000	1.986	0.221	0.779
	0.000	0.091	0.007	0.021
p.	1.986	0.000	1.859	2.318
	0.091	0.000	0.094	0.111
i.	0.221	1.859	0.000	0.772
	0.007	0.094	0.000	0.026
h.	0.779	2.318	0.772	0.000
	0.021	0.111	0.026	0.000

TABLE S413. KS distances on use of substantives on sentences. TAG: 0. TAG: 0

	g.	p.	i.	h.
g.	0.000	1.801	0.877	1.415
	0.000	0.083	0.027	0.037
p.	1.801	0.000	1.231	2.485
	0.083	0.000	0.062	0.119
i.	0.877	1.231	0.000	1.883
	0.027	0.062	0.000	0.065
h.	1.415	2.485	1.883	0.000
	0.037	0.119	0.065	0.000

TABLE S414. KS distances on use of punctuations on sentences. TAG: 0. TAG: 0

	g.	p.	i.	h.
g.	0.000	4.795	2.739	0.611
	0.000	0.037	0.017	0.003
p.	4.795	0.000	5.960	4.861
	0.037	0.000	0.053	0.040
i.	2.739	5.960	0.000	2.211
	0.017	0.053	0.000	0.015
h.	0.611	4.861	2.211	0.000
	0.003	0.040	0.015	0.000

TABLE S415. KS distances on size of tokens. TAG: 2. TAG: 2

	g.	p.	i.	h.
g.	0.000	1.104	1.611	0.858
	0.000	0.019	0.022	0.010
p.	1.104	0.000	1.942	0.717
	0.019	0.000	0.039	0.013
i.	1.611	1.942	0.000	2.108
	0.022	0.039	0.000	0.031
h.	0.858	0.717	2.108	0.000
	0.010	0.013	0.031	0.000

TABLE S416. KS distances on size of known words. TAG: 2. TAG: 2

	g.	p.	i.	h.
g.	0.000	0.781	0.728	0.604
	0.000	0.031	0.021	0.015
p.	0.781	0.000	0.835	0.971
	0.031	0.000	0.037	0.041
i.	0.728	0.835	0.000	0.993
	0.021	0.037	0.000	0.032
h.	0.604	0.971	0.993	0.000
	0.015	0.041	0.032	0.000

TABLE S417. KS distances on size of sentences. TAG: 2. TAG: 2

	g.	p.	i.	h.
g.	0.000	0.493	0.516	0.143
	0.000	0.020	0.015	0.003
p.	0.493	0.000	0.770	0.384
	0.020	0.000	0.034	0.016
i.	0.516	0.770	0.000	0.577
	0.015	0.034	0.000	0.018
h.	0.143	0.384	0.577	0.000
	0.003	0.016	0.018	0.000

TABLE S418. KS distances on use of adjectives on sentences. TAG: 2. TAG: 2

	g.	p.	i.	h.
g.	0.000	1.011	0.987	0.772
	0.000	0.040	0.029	0.019
p.	1.011	0.000	1.004	1.165
	0.040	0.000	0.045	0.049
i.	0.987	1.004	0.000	1.462
	0.029	0.045	0.000	0.047
h.	0.772	1.165	1.462	0.000
	0.019	0.049	0.047	0.000

TABLE S419. KS distances on use of substantives on sentences. TAG: 2. TAG: 2

	g.	p.	i.	h.
g.	0.000	0.705	0.690	0.357
	0.000	0.028	0.020	0.009
p.	0.705	0.000	0.964	0.636
	0.028	0.000	0.043	0.027
i.	0.690	0.964	0.000	0.897
	0.020	0.043	0.000	0.029
h.	0.357	0.636	0.897	0.000
	0.009	0.027	0.029	0.000

TABLE S420. KS distances on use of punctuations on sentences. TAG: 2. TAG: 2

	g.	p.	i.	h.
g.	0.000 0.000	2.188 0.016	5.943 0.025	8.365 0.038
p.	2.188 0.016	0.000 0.000	1.404 0.011	6.882 0.054
i.	5.943 0.025	1.404 0.011	0.000 0.000	12.185 0.063
h.	8.365 0.038	6.882 0.054	12.185 0.063	0.000 0.000

TABLE S421. KS distances on size of tokens. TAG: 3. TAG: 3

	g.	p.	i.	h.
g.	0.000 0.000	1.554 0.022	2.324 0.019	2.210 0.019
p.	1.554 0.022	0.000 0.000	2.518 0.037	1.320 0.020
i.	2.324 0.019	2.518 0.037	0.000 0.000	3.836 0.038
h.	2.210 0.019	1.320 0.020	3.836 0.038	0.000 0.000

TABLE S422. KS distances on size of known words. TAG: 3. TAG: 3

	g.	p.	i.	h.
g.	0.000 0.000	1.493 0.060	1.885 0.043	2.417 0.054
p.	1.493 0.060	0.000 0.000	0.545 0.023	2.881 0.122
i.	1.885 0.043	0.545 0.023	0.000 0.000	3.650 0.097
h.	2.417 0.054	2.881 0.122	3.650 0.097	0.000 0.000

TABLE S423. KS distances on size of sentences. TAG: 3. TAG: 3

	g.	p.	i.	h.
g.	0.000 0.000	0.443 0.018	0.947 0.022	1.030 0.023
p.	0.443 0.018	0.000 0.000	0.436 0.019	0.961 0.041
i.	0.947 0.022	0.436 0.019	0.000 0.000	1.661 0.044
h.	1.030 0.023	0.961 0.041	1.661 0.044	0.000 0.000

TABLE S424. KS distances on use of adjectives on sentences. TAG: 3. TAG: 3

	g.	p.	i.	h.
g.	0.000 0.000	1.724 0.069	1.298 0.030	1.803 0.040
p.	1.724 0.069	0.000 0.000	1.076 0.046	2.633 0.112
i.	1.298 0.030	1.076 0.046	0.000 0.000	2.629 0.070
h.	1.803 0.040	2.633 0.112	2.629 0.070	0.000 0.000

TABLE S425. KS distances on use of substantives on sentences. TAG: 3. TAG: 3

	g.	p.	i.	h.
g.	0.000 0.000	1.750 0.070	1.163 0.027	1.854 0.041
p.	1.750 0.070	0.000 0.000	1.022 0.044	2.771 0.117
i.	1.163 0.027	1.022 0.044	0.000 0.000	2.555 0.068
h.	1.854 0.041	2.771 0.117	2.555 0.068	0.000 0.000

TABLE S426. KS distances on use of punctuations on sentences. TAG: 3. TAG: 3

	g.	p.	i.	h.
g.	0.000 0.000	4.325 0.014	17.165 0.115	7.851 0.044
p.	4.325 0.014	0.000 0.000	18.903 0.129	7.832 0.045
i.	17.165 0.115	18.903 0.129	0.000 0.000	15.540 0.129
h.	7.851 0.044	7.832 0.045	15.540 0.129	0.000 0.000

TABLE S427. KS distances on size of tokens. TAG: 6. TAG: 6

	g.	p.	i.	h.
g.	0.000 0.000	2.922 0.018	7.316 0.095	4.721 0.051
p.	2.922 0.018	0.000 0.000	8.537 0.112	5.887 0.065
i.	7.316 0.095	8.537 0.112	0.000 0.000	6.317 0.100
h.	4.721 0.051	5.887 0.065	6.317 0.100	0.000 0.000

TABLE S428. KS distances on size of known words. TAG: 6. TAG: 6

	g.	p.	i.	h.
g.	0.000 0.000	1.216 0.026	1.570 0.077	1.497 0.046
p.	1.216 0.026	0.000 0.000	2.064 0.103	2.193 0.070
i.	1.570 0.077	2.064 0.103	0.000 0.000	1.956 0.106
h.	1.497 0.046	2.193 0.070	1.956 0.106	0.000 0.000

TABLE S429. KS distances on size of sentences. TAG: 6. TAG: 6

	g.	p.	i.	h.
g.	0.000 0.000	1.337 0.029	1.348 0.066	2.267 0.069
p.	1.337 0.029	0.000 0.000	1.565 0.078	3.059 0.098
i.	1.348 0.066	1.565 0.078	0.000 0.000	1.052 0.057
h.	2.267 0.069	3.059 0.098	1.052 0.057	0.000 0.000

TABLE S430. KS distances on use of adjectives on sentences. TAG: 6. TAG: 6

	g.	p.	i.	h.
g.	0.000 0.000	0.203 0.004	1.740 0.085	1.021 0.031
p.	0.203 0.004	0.000 0.000	1.693 0.084	0.998 0.032
i.	1.740 0.085	1.693 0.084	0.000 0.000	2.258 0.123
h.	1.021 0.031	0.998 0.032	2.258 0.123	0.000 0.000

TABLE S431. KS distances on use of substantives on sentences. TAG: 6. TAG: 6

	g.	p.	i.	h.
g.	0.000 0.000	1.086 0.023	2.205 0.108	1.076 0.033
p.	1.086 0.023	0.000 0.000	2.429 0.121	1.754 0.056
i.	2.205 0.108	2.429 0.121	0.000 0.000	2.236 0.121
h.	1.076 0.033	1.754 0.056	2.236 0.121	0.000 0.000

TABLE S432. KS distances on use of punctuations on sentences. TAG: 6. TAG: 6

	g.	p.	i.	h.
g.	0.000	2.694	1.047	2.609
	0.000	0.024	0.006	0.017
p.	2.694	0.000	2.227	3.798
	0.024	0.000	0.022	0.038
i.	1.047	2.227	0.000	3.129
	0.006	0.022	0.000	0.023
h.	2.609	3.798	3.129	0.000
	0.017	0.038	0.023	0.000

TABLE S433. KS distances on size of tokens. TAG: 7. TAG: 7

	g.	p.	i.	h.
g.	0.000	3.090	0.904	0.859
	0.000	0.073	0.014	0.014
p.	3.090	0.000	3.408	3.283
	0.073	0.000	0.087	0.085
i.	0.904	3.408	0.000	0.629
	0.014	0.087	0.000	0.012
h.	0.859	3.283	0.629	0.000
	0.014	0.085	0.012	0.000

TABLE S434. KS distances on size of known words. TAG: 7. TAG: 7

	g.	p.	i.	h.
g.	0.000	0.859	1.347	1.271
	0.000	0.044	0.041	0.044
p.	0.859	0.000	1.543	0.730
	0.044	0.000	0.083	0.041
i.	1.347	1.543	0.000	2.128
	0.041	0.083	0.000	0.082
h.	1.271	0.730	2.128	0.000
	0.044	0.041	0.082	0.000

TABLE S435. KS distances on size of sentences. TAG: 7. TAG: 7

	g.	p.	i.	h.
g.	0.000	0.938	0.938	0.638
	0.000	0.048	0.029	0.022
p.	0.938	0.000	1.419	0.459
	0.048	0.000	0.076	0.026
i.	0.938	1.419	0.000	1.309
	0.029	0.076	0.000	0.051
h.	0.638	0.459	1.309	0.000
	0.022	0.026	0.051	0.000

TABLE S436. KS distances on use of adjectives on sentences. TAG: 7. TAG: 7

	g.	p.	i.	h.
g.	0.000	0.747	1.038	1.057
	0.000	0.038	0.032	0.036
p.	0.747	0.000	1.294	1.101
	0.038	0.000	0.070	0.062
i.	1.038	1.294	0.000	1.700
	0.032	0.070	0.000	0.066
h.	1.057	1.101	1.700	0.000
	0.036	0.062	0.066	0.000

TABLE S437. KS distances on use of substantives on sentences. TAG: 7. TAG: 7

	g.	p.	i.	h.
g.	0.000	0.902	1.004	1.217
	0.000	0.046	0.031	0.042
p.	0.902	0.000	1.373	0.841
	0.046	0.000	0.074	0.047
i.	1.004	1.373	0.000	1.864
	0.031	0.074	0.000	0.072
h.	1.217	0.841	1.864	0.000
	0.042	0.047	0.072	0.000

TABLE S438. KS distances on use of punctuations on sentences. TAG: 7. TAG: 7

	g.	p.	i.	h.
g.	0.000 0.000	2.217 0.014	6.206 0.039	2.694 0.013
p.	2.217 0.014	0.000 0.000	6.700 0.053	2.553 0.017
i.	6.206 0.039	6.700 0.053	0.000 0.000	7.324 0.051
h.	2.694 0.013	2.553 0.017	7.324 0.051	0.000 0.000

TABLE S439. KS distances on size of tokens. TAG: 8. TAG: 8

	g.	p.	i.	h.
g.	0.000 0.000	2.489 0.032	2.304 0.027	0.948 0.008
p.	2.489 0.032	0.000 0.000	3.746 0.058	2.341 0.032
i.	2.304 0.027	3.746 0.058	0.000 0.000	2.191 0.027
h.	0.948 0.008	2.341 0.032	2.191 0.027	0.000 0.000

TABLE S440. KS distances on size of known words. TAG: 8. TAG: 8

	g.	p.	i.	h.
g.	0.000 0.000	1.952 0.086	0.675 0.025	1.190 0.032
p.	1.952 0.086	0.000 0.000	1.544 0.081	2.553 0.118
i.	0.675 0.025	1.544 0.081	0.000 0.000	1.418 0.055
h.	1.190 0.032	2.553 0.118	1.418 0.055	0.000 0.000

TABLE S441. KS distances on size of sentences. TAG: 8. TAG: 8

	g.	p.	i.	h.
g.	0.000 0.000	0.961 0.043	0.864 0.031	0.301 0.008
p.	0.961 0.043	0.000 0.000	1.409 0.074	0.875 0.040
i.	0.864 0.031	1.409 0.074	0.000 0.000	0.865 0.034
h.	0.301 0.008	0.875 0.040	0.865 0.034	0.000 0.000

TABLE S442. KS distances on use of adjectives on sentences. TAG: 8. TAG: 8

	g.	p.	i.	h.
g.	0.000 0.000	2.830 0.125	0.667 0.024	1.027 0.027
p.	2.830 0.125	0.000 0.000	2.638 0.138	3.300 0.152
i.	0.667 0.024	2.638 0.138	0.000 0.000	0.628 0.024
h.	1.027 0.027	3.300 0.152	0.628 0.024	0.000 0.000

TABLE S443. KS distances on use of substantives on sentences. TAG: 8. TAG: 8

	g.	p.	i.	h.
g.	0.000 0.000	1.427 0.063	0.331 0.012	0.614 0.016
p.	1.427 0.063	0.000 0.000	1.321 0.069	1.668 0.077
i.	0.331 0.012	1.321 0.069	0.000 0.000	0.646 0.025
h.	0.614 0.016	1.668 0.077	0.646 0.025	0.000 0.000

TABLE S444. KS distances on use of punctuations on sentences. TAG: 8. TAG: 8

	g.	p.	i.	h.
g.	0.000 0.000	4.752 0.023	4.211 0.020	7.415 0.041
p.	4.752 0.023	0.000 0.000	3.436 0.020	9.467 0.061
i.	4.211 0.020	3.436 0.020	0.000 0.000	9.559 0.061
h.	7.415 0.041	9.467 0.061	9.559 0.061	0.000 0.000

TABLE S445. KS distances on size of tokens. TAG: 9. TAG: 9

	g.	p.	i.	h.
g.	0.000 0.000	1.241 0.011	1.399 0.012	2.609 0.026
p.	1.241 0.011	0.000 0.000	1.279 0.014	3.156 0.037
i.	1.399 0.012	1.279 0.014	0.000 0.000	2.970 0.034
h.	2.609 0.026	3.156 0.037	2.970 0.034	0.000 0.000

TABLE S446. KS distances on size of known words. TAG: 9. TAG: 9

	g.	p.	i.	h.
g.	0.000 0.000	2.161 0.057	1.394 0.037	4.954 0.173
p.	2.161 0.057	0.000 0.000	1.837 0.058	5.801 0.226
i.	1.394 0.037	1.837 0.058	0.000 0.000	5.242 0.205
h.	4.954 0.173	5.801 0.226	5.242 0.205	0.000 0.000

TABLE S447. KS distances on size of sentences. TAG: 9. TAG: 9

	g.	p.	i.	h.
g.	0.000 0.000	1.458 0.038	0.625 0.017	2.535 0.089
p.	1.458 0.038	0.000 0.000	1.075 0.034	3.262 0.127
i.	0.625 0.017	1.075 0.034	0.000 0.000	2.407 0.094
h.	2.535 0.089	3.262 0.127	2.407 0.094	0.000 0.000

TABLE S448. KS distances on use of adjectives on sentences. TAG: 9. TAG: 9

	g.	p.	i.	h.
g.	0.000 0.000	1.581 0.042	1.082 0.029	3.282 0.115
p.	1.581 0.042	0.000 0.000	1.287 0.041	3.901 0.152
i.	1.082 0.029	1.287 0.041	0.000 0.000	3.612 0.141
h.	3.282 0.115	3.901 0.152	3.612 0.141	0.000 0.000

TABLE S449. KS distances on use of substantives on sentences. TAG: 9. TAG: 9

	g.	p.	i.	h.
g.	0.000 0.000	1.422 0.037	1.302 0.034	3.656 0.128
p.	1.422 0.037	0.000 0.000	0.775 0.024	4.108 0.160
i.	1.302 0.034	0.775 0.024	0.000 0.000	4.048 0.158
h.	3.656 0.128	4.108 0.160	4.048 0.158	0.000 0.000

TABLE S450. KS distances on use of punctuations on sentences. TAG: 9. TAG: 9

	g.	p.	i.	h.
g.	0.000	2.430	1.479	3.537
	0.000	0.018	0.007	0.021
p.	2.430	0.000	1.849	4.234
	0.018	0.000	0.014	0.037
i.	1.479	1.849	0.000	4.198
	0.007	0.014	0.000	0.027
h.	3.537	4.234	4.198	0.000
	0.021	0.037	0.027	0.000

TABLE S451. KS distances on size of tokens. TAG: 10. TAG: 10

	g.	p.	i.	h.
g.	0.000	1.415	1.316	2.962
	0.000	0.019	0.011	0.033
p.	1.415	0.000	0.807	3.279
	0.019	0.000	0.011	0.051
i.	1.316	0.807	0.000	3.563
	0.011	0.011	0.000	0.042
h.	2.962	3.279	3.563	0.000
	0.033	0.051	0.042	0.000

TABLE S452. KS distances on size of known words. TAG: 10. TAG: 10

	g.	p.	i.	h.
g.	0.000	1.060	0.648	1.367
	0.000	0.041	0.016	0.042
p.	1.060	0.000	0.807	1.856
	0.041	0.000	0.033	0.084
i.	0.648	0.807	0.000	1.557
	0.016	0.033	0.000	0.052
h.	1.367	1.856	1.557	0.000
	0.042	0.084	0.052	0.000

TABLE S453. KS distances on size of sentences. TAG: 10. TAG: 10

	g.	p.	i.	h.
g.	0.000	0.786	0.420	0.950
	0.000	0.031	0.010	0.029
p.	0.786	0.000	0.851	1.189
	0.031	0.000	0.035	0.054
i.	0.420	0.851	0.000	1.105
	0.010	0.035	0.000	0.037
h.	0.950	1.189	1.105	0.000
	0.029	0.054	0.037	0.000

TABLE S454. KS distances on use of adjectives on sentences. TAG: 10. TAG: 10

	g.	p.	i.	h.
g.	0.000	1.614	0.630	1.925
	0.000	0.063	0.015	0.059
p.	1.614	0.000	1.378	2.597
	0.063	0.000	0.056	0.117
i.	0.630	1.378	0.000	2.233
	0.015	0.056	0.000	0.074
h.	1.925	2.597	2.233	0.000
	0.059	0.117	0.074	0.000

TABLE S455. KS distances on use of substantives on sentences. TAG: 10. TAG: 10

	g.	p.	i.	h.
g.	0.000	1.352	1.257	1.737
	0.000	0.053	0.030	0.053
p.	1.352	0.000	1.675	1.337
	0.053	0.000	0.069	0.060
i.	1.257	1.675	0.000	2.512
	0.030	0.069	0.000	0.083
h.	1.737	1.337	2.512	0.000
	0.053	0.060	0.083	0.000

TABLE S456. KS distances on use of punctuations on sentences. TAG: 10. TAG: 10

	g.	p.	i.	h.
g.	0.000 0.000	1.775 0.013	6.669 0.020	8.702 0.029
p.	1.775 0.013	0.000 0.000	2.528 0.019	4.864 0.038
i.	6.669 0.020	2.528 0.019	0.000 0.000	13.183 0.049
h.	8.702 0.029	4.864 0.038	13.183 0.049	0.000 0.000

TABLE S457. KS distances on size of tokens. TAG: 11. TAG: 11

	g.	p.	i.	h.
g.	0.000 0.000	0.858 0.011	2.900 0.015	3.397 0.020
p.	0.858 0.011	0.000 0.000	1.381 0.019	1.542 0.021
i.	2.900 0.015	1.381 0.019	0.000 0.000	5.398 0.035
h.	3.397 0.020	1.542 0.021	5.398 0.035	0.000 0.000

TABLE S458. KS distances on size of known words. TAG: 11. TAG: 11

	g.	p.	i.	h.
g.	0.000 0.000	1.032 0.037	2.502 0.037	2.703 0.044
p.	1.032 0.037	0.000 0.000	1.605 0.059	1.221 0.045
i.	2.502 0.037	1.605 0.059	0.000 0.000	4.453 0.081
h.	2.703 0.044	1.221 0.045	4.453 0.081	0.000 0.000

TABLE S459. KS distances on size of sentences. TAG: 11. TAG: 11

	g.	p.	i.	h.
g.	0.000 0.000	1.273 0.046	1.514 0.023	1.662 0.027
p.	1.273 0.046	0.000 0.000	1.497 0.055	1.327 0.049
i.	1.514 0.023	1.497 0.055	0.000 0.000	2.718 0.049
h.	1.662 0.027	1.327 0.049	2.718 0.049	0.000 0.000

TABLE S460. KS distances on use of adjectives on sentences. TAG: 11. TAG: 11

	g.	p.	i.	h.
g.	0.000 0.000	0.463 0.017	5.600 0.083	6.430 0.104
p.	0.463 0.017	0.000 0.000	2.661 0.098	2.439 0.091
i.	5.600 0.083	2.661 0.098	0.000 0.000	10.305 0.187
h.	6.430 0.104	2.439 0.091	10.305 0.187	0.000 0.000

TABLE S461. KS distances on use of substantives on sentences. TAG: 11. TAG: 11

	g.	p.	i.	h.
g.	0.000 0.000	1.169 0.042	4.031 0.060	5.018 0.081
p.	1.169 0.042	0.000 0.000	0.918 0.034	3.000 0.112
i.	4.031 0.060	0.918 0.034	0.000 0.000	7.764 0.141
h.	5.018 0.081	3.000 0.112	7.764 0.141	0.000 0.000

TABLE S462. KS distances on use of punctuations on sentences. TAG: 11. TAG: 11

	g.	p.	i.	h.
g.	0.000 0.000	3.431 0.017	1.936 0.007	5.031 0.023
p.	3.431 0.017	0.000 0.000	2.300 0.012	6.607 0.040
i.	1.936 0.007	2.300 0.012	0.000 0.000	5.534 0.028
h.	5.031 0.023	6.607 0.040	5.534 0.028	0.000 0.000

TABLE S463. KS distances on size of tokens. TAG: 12. TAG: 12

	g.	p.	i.	h.
g.	0.000 0.000	1.272 0.012	1.992 0.013	3.365 0.028
p.	1.272 0.012	0.000 0.000	1.478 0.014	2.822 0.031
i.	1.992 0.013	1.478 0.014	0.000 0.000	4.511 0.041
h.	3.365 0.028	2.822 0.031	4.511 0.041	0.000 0.000

TABLE S464. KS distances on size of known words. TAG: 12. TAG: 12

	g.	p.	i.	h.
g.	0.000 0.000	0.467 0.014	0.739 0.015	1.209 0.030
p.	0.467 0.014	0.000 0.000	0.795 0.025	1.708 0.060
i.	0.739 0.015	0.795 0.025	0.000 0.000	1.645 0.045
h.	1.209 0.030	1.708 0.060	1.645 0.045	0.000 0.000

TABLE S465. KS distances on size of sentences. TAG: 12. TAG: 12

	g.	p.	i.	h.
g.	0.000 0.000	0.524 0.016	0.753 0.016	0.775 0.019
p.	0.524 0.016	0.000 0.000	0.933 0.030	0.392 0.014
i.	0.753 0.016	0.933 0.030	0.000 0.000	1.264 0.035
h.	0.775 0.019	0.392 0.014	1.264 0.035	0.000 0.000

TABLE S466. KS distances on use of adjectives on sentences. TAG: 12. TAG: 12

	g.	p.	i.	h.
g.	0.000 0.000	1.086 0.032	1.181 0.024	2.204 0.055
p.	1.086 0.032	0.000 0.000	0.595 0.019	2.459 0.086
i.	1.181 0.024	0.595 0.019	0.000 0.000	2.876 0.080
h.	2.204 0.055	2.459 0.086	2.876 0.080	0.000 0.000

TABLE S467. KS distances on use of substantives on sentences. TAG: 12. TAG: 12

	g.	p.	i.	h.
g.	0.000 0.000	1.110 0.033	0.585 0.012	1.165 0.029
p.	1.110 0.033	0.000 0.000	0.888 0.028	1.549 0.054
i.	0.585 0.012	0.888 0.028	0.000 0.000	1.262 0.035
h.	1.165 0.029	1.549 0.054	1.262 0.035	0.000 0.000

TABLE S468. KS distances on use of punctuations on sentences. TAG: 12. TAG: 12

	g.	p.	i.	h.
g.	0.000 0.000	10.976 0.038	2.560 0.026	16.793 0.070
p.	10.976 0.038	0.000 0.000	3.591 0.037	23.932 0.108
i.	2.560 0.026	3.591 0.037	0.000 0.000	9.138 0.096
h.	16.793 0.070	23.932 0.108	9.138 0.096	0.000 0.000

TABLE S469. KS distances on size of tokens. TAG: 13. TAG: 13

	g.	p.	i.	h.
g.	0.000 0.000	13.508 0.114	1.683 0.033	11.258 0.087
p.	13.508 0.114	0.000 0.000	5.819 0.119	21.250 0.201
i.	1.683 0.033	5.819 0.119	0.000 0.000	4.084 0.082
h.	11.258 0.087	21.250 0.201	4.084 0.082	0.000 0.000

TABLE S470. KS distances on size of known words. TAG: 13. TAG: 13

	g.	p.	i.	h.
g.	0.000 0.000	6.520 0.157	2.066 0.121	5.351 0.119
p.	6.520 0.157	0.000 0.000	4.478 0.272	10.201 0.275
i.	2.066 0.121	4.478 0.272	0.000 0.000	1.140 0.068
h.	5.351 0.119	10.201 0.275	1.140 0.068	0.000 0.000

TABLE S471. KS distances on size of sentences. TAG: 13. TAG: 13

	g.	p.	i.	h.
g.	0.000 0.000	5.233 0.126	0.820 0.048	4.254 0.094
p.	5.233 0.126	0.000 0.000	2.866 0.174	8.154 0.220
i.	0.820 0.048	2.866 0.174	0.000 0.000	0.768 0.046
h.	4.254 0.094	8.154 0.220	0.768 0.046	0.000 0.000

TABLE S472. KS distances on use of adjectives on sentences. TAG: 13. TAG: 13

	g.	p.	i.	h.
g.	0.000 0.000	6.815 0.164	0.964 0.057	5.576 0.124
p.	6.815 0.164	0.000 0.000	3.632 0.220	10.649 0.287
i.	0.964 0.057	3.632 0.220	0.000 0.000	1.473 0.088
h.	5.576 0.124	10.649 0.287	1.473 0.088	0.000 0.000

TABLE S473. KS distances on use of substantives on sentences. TAG: 13. TAG: 13

	g.	p.	i.	h.
g.	0.000 0.000	1.400 0.034	1.446 0.085	1.516 0.034
p.	1.400 0.034	0.000 0.000	0.879 0.053	2.413 0.065
i.	1.446 0.085	0.879 0.053	0.000 0.000	2.282 0.137
h.	1.516 0.034	2.413 0.065	2.282 0.137	0.000 0.000

TABLE S474. KS distances on use of punctuations on sentences. TAG: 13. TAG: 13

	g.	p.	i.	h.
g.	0.000 0.000	1.418 0.007	1.582 0.006	2.057 0.015
p.	1.418 0.007	0.000 0.000	2.455 0.013	2.287 0.018
i.	1.582 0.006	2.455 0.013	0.000 0.000	2.778 0.021
h.	2.057 0.015	2.287 0.018	2.778 0.021	0.000 0.000

TABLE S475. KS distances on size of tokens. TAG: 15. TAG: 15

	g.	p.	i.	h.
g.	0.000 0.000	1.750 0.016	0.841 0.006	1.470 0.019
p.	1.750 0.016	0.000 0.000	2.188 0.021	1.698 0.025
i.	0.841 0.006	2.188 0.021	0.000 0.000	1.623 0.021
h.	1.470 0.019	1.698 0.025	1.623 0.021	0.000 0.000

TABLE S476. KS distances on size of known words. TAG: 15. TAG: 15

	g.	p.	i.	h.
g.	0.000 0.000	0.880 0.023	0.514 0.010	1.354 0.050
p.	0.880 0.023	0.000 0.000	1.311 0.037	1.651 0.069
i.	0.514 0.010	1.311 0.037	0.000 0.000	1.342 0.051
h.	1.354 0.050	1.651 0.069	1.342 0.051	0.000 0.000

TABLE S477. KS distances on size of sentences. TAG: 15. TAG: 15

	g.	p.	i.	h.
g.	0.000 0.000	1.467 0.039	0.462 0.009	1.011 0.037
p.	1.467 0.039	0.000 0.000	1.703 0.048	1.812 0.076
i.	0.462 0.009	1.703 0.048	0.000 0.000	0.804 0.030
h.	1.011 0.037	1.812 0.076	0.804 0.030	0.000 0.000

TABLE S478. KS distances on use of adjectives on sentences. TAG: 15. TAG: 15

	g.	p.	i.	h.
g.	0.000 0.000	1.685 0.045	0.932 0.018	1.262 0.046
p.	1.685 0.045	0.000 0.000	2.031 0.057	1.838 0.077
i.	0.932 0.018	2.031 0.057	0.000 0.000	1.225 0.046
h.	1.262 0.046	1.838 0.077	1.225 0.046	0.000 0.000

TABLE S479. KS distances on use of substantives on sentences. TAG: 15. TAG: 15

	g.	p.	i.	h.
g.	0.000 0.000	0.380 0.010	0.579 0.011	1.422 0.052
p.	0.380 0.010	0.000 0.000	0.545 0.015	1.329 0.056
i.	0.579 0.011	0.545 0.015	0.000 0.000	1.675 0.063
h.	1.422 0.052	1.329 0.056	1.675 0.063	0.000 0.000

TABLE S480. KS distances on use of punctuations on sentences. TAG: 15. TAG: 15

	g.	p.	i.	h.
g.	0.000 0.000	7.742 0.032	7.376 0.030	6.232 0.027
p.	7.742 0.032	0.000 0.000	9.366 0.047	11.348 0.059
i.	7.376 0.030	9.366 0.047	0.000 0.000	9.258 0.047
h.	6.232 0.027	11.348 0.059	9.258 0.047	0.000 0.000

TABLE S481. KS distances on size of tokens. TAG: 16. TAG: 16

	g.	p.	i.	h.
g.	0.000 0.000	8.847 0.070	8.457 0.064	8.313 0.066
p.	8.847 0.070	0.000 0.000	12.210 0.116	13.624 0.133
i.	8.457 0.064	12.210 0.116	0.000 0.000	9.663 0.092
h.	8.313 0.066	13.624 0.133	9.663 0.092	0.000 0.000

TABLE S482. KS distances on size of known words. TAG: 16. TAG: 16

	g.	p.	i.	h.
g.	0.000 0.000	0.999 0.029	0.848 0.021	1.308 0.030
p.	0.999 0.029	0.000 0.000	0.517 0.018	1.809 0.060
i.	0.848 0.021	0.517 0.018	0.000 0.000	1.946 0.056
h.	1.308 0.030	1.809 0.060	1.946 0.056	0.000 0.000

TABLE S483. KS distances on size of sentences. TAG: 16. TAG: 16

	g.	p.	i.	h.
g.	0.000 0.000	0.614 0.018	0.809 0.020	0.755 0.017
p.	0.614 0.018	0.000 0.000	1.116 0.038	0.924 0.030
i.	0.809 0.020	1.116 0.038	0.000 0.000	1.046 0.030
h.	0.755 0.017	0.924 0.030	1.046 0.030	0.000 0.000

TABLE S484. KS distances on use of adjectives on sentences. TAG: 16. TAG: 16

	g.	p.	i.	h.
g.	0.000 0.000	1.193 0.035	0.651 0.016	1.368 0.032
p.	1.193 0.035	0.000 0.000	0.855 0.029	1.999 0.066
i.	0.651 0.016	0.855 0.029	0.000 0.000	1.678 0.048
h.	1.368 0.032	1.999 0.066	1.678 0.048	0.000 0.000

TABLE S485. KS distances on use of substantives on sentences. TAG: 16. TAG: 16

	g.	p.	i.	h.
g.	0.000 0.000	1.963 0.058	1.189 0.029	1.338 0.031
p.	1.963 0.058	0.000 0.000	1.882 0.064	2.517 0.083
i.	1.189 0.029	1.882 0.064	0.000 0.000	2.095 0.060
h.	1.338 0.031	2.517 0.083	2.095 0.060	0.000 0.000

TABLE S486. KS distances on use of punctuations on sentences. TAG: 16. TAG: 16

	g.	p.	i.	h.
g.	0.000 0.000	2.033 0.017	0.935 0.005	0.801 0.004
p.	2.033 0.017	0.000 0.000	2.346 0.021	2.002 0.017
i.	0.935 0.005	2.346 0.021	0.000 0.000	1.316 0.007
h.	0.801 0.004	2.002 0.017	1.316 0.007	0.000 0.000

TABLE S487. KS distances on size of tokens. TAG: 17. TAG: 17

	g.	p.	i.	h.
g.	0.000 0.000	2.824 0.046	0.939 0.009	1.297 0.011
p.	2.824 0.046	0.000 0.000	2.513 0.044	3.370 0.057
i.	0.939 0.009	2.513 0.044	0.000 0.000	1.567 0.017
h.	1.297 0.011	3.370 0.057	1.567 0.017	0.000 0.000

TABLE S488. KS distances on size of known words. TAG: 17. TAG: 17

	g.	p.	i.	h.
g.	0.000 0.000	1.039 0.052	0.867 0.029	0.513 0.015
p.	1.039 0.052	0.000 0.000	1.475 0.081	0.963 0.051
i.	0.867 0.029	1.475 0.081	0.000 0.000	1.159 0.043
h.	0.513 0.015	0.963 0.051	1.159 0.043	0.000 0.000

TABLE S489. KS distances on size of sentences. TAG: 17. TAG: 17

	g.	p.	i.	h.
g.	0.000 0.000	1.054 0.053	0.564 0.019	0.642 0.019
p.	1.054 0.053	0.000 0.000	0.835 0.046	1.359 0.072
i.	0.564 0.019	0.835 0.046	0.000 0.000	0.726 0.027
h.	0.642 0.019	1.359 0.072	0.726 0.027	0.000 0.000

TABLE S490. KS distances on use of adjectives on sentences. TAG: 17. TAG: 17

	g.	p.	i.	h.
g.	0.000 0.000	0.598 0.030	1.051 0.035	0.720 0.021
p.	0.598 0.030	0.000 0.000	1.010 0.056	0.461 0.024
i.	1.051 0.035	1.010 0.056	0.000 0.000	1.499 0.056
h.	0.720 0.021	0.461 0.024	1.499 0.056	0.000 0.000

TABLE S491. KS distances on use of substantives on sentences. TAG: 17. TAG: 17

	g.	p.	i.	h.
g.	0.000 0.000	0.527 0.026	1.162 0.039	0.718 0.021
p.	0.527 0.026	0.000 0.000	1.186 0.065	0.429 0.023
i.	1.162 0.039	1.186 0.065	0.000 0.000	1.604 0.060
h.	0.718 0.021	0.429 0.023	1.604 0.060	0.000 0.000

TABLE S492. KS distances on use of punctuations on sentences. TAG: 17. TAG: 17

	g.	p.	i.	h.
g.	0.000 0.000	13.236 0.089	2.200 0.011	5.531 0.020
p.	13.236 0.089	0.000 0.000	11.490 0.089	15.301 0.106
i.	2.200 0.011	11.490 0.089	0.000 0.000	5.796 0.031
h.	5.531 0.020	15.301 0.106	5.796 0.031	0.000 0.000

TABLE S493. KS distances on size of tokens. TAG: 18. TAG: 18

	g.	p.	i.	h.
g.	0.000 0.000	10.110 0.126	1.423 0.013	4.118 0.026
p.	10.110 0.126	0.000 0.000	7.967 0.115	11.892 0.153
i.	1.423 0.013	7.967 0.115	0.000 0.000	3.889 0.038
h.	4.118 0.026	11.892 0.153	3.889 0.038	0.000 0.000

TABLE S494. KS distances on size of known words. TAG: 18. TAG: 18

	g.	p.	i.	h.
g.	0.000 0.000	1.783 0.086	0.849 0.023	0.835 0.016
p.	1.783 0.086	0.000 0.000	1.254 0.066	2.077 0.102
i.	0.849 0.023	1.254 0.066	0.000 0.000	1.494 0.043
h.	0.835 0.016	2.077 0.102	1.494 0.043	0.000 0.000

TABLE S495. KS distances on size of sentences. TAG: 18. TAG: 18

	g.	p.	i.	h.
g.	0.000 0.000	1.798 0.087	1.011 0.028	0.574 0.011
p.	1.798 0.087	0.000 0.000	1.551 0.082	1.995 0.098
i.	1.011 0.028	1.551 0.082	0.000 0.000	1.240 0.035
h.	0.574 0.011	1.995 0.098	1.240 0.035	0.000 0.000

TABLE S496. KS distances on use of adjectives on sentences. TAG: 18. TAG: 18

	g.	p.	i.	h.
g.	0.000 0.000	2.505 0.121	1.065 0.029	1.028 0.019
p.	2.505 0.121	0.000 0.000	1.885 0.100	2.856 0.140
i.	1.065 0.029	1.885 0.100	0.000 0.000	1.798 0.051
h.	1.028 0.019	2.856 0.140	1.798 0.051	0.000 0.000

TABLE S497. KS distances on use of substantives on sentences. TAG: 18. TAG: 18

	g.	p.	i.	h.
g.	0.000 0.000	0.912 0.044	1.697 0.047	0.860 0.016
p.	0.912 0.044	0.000 0.000	0.856 0.045	1.157 0.057
i.	1.697 0.047	0.856 0.045	0.000 0.000	2.196 0.063
h.	0.860 0.016	1.157 0.057	2.196 0.063	0.000 0.000

TABLE S498. KS distances on use of punctuations on sentences. TAG: 18. TAG: 18

	g.	p.	i.	h.
g.	0.000 0.000	11.827 0.087	2.027 0.014	6.832 0.033
p.	11.827 0.087	0.000 0.000	7.935 0.073	15.463 0.120
i.	2.027 0.014	7.935 0.073	0.000 0.000	6.392 0.047
h.	6.832 0.033	15.463 0.120	6.392 0.047	0.000 0.000

TABLE S499. KS distances on size of tokens. TAG: 19. TAG: 19

	g.	p.	i.	h.
g.	0.000 0.000	6.563 0.094	1.331 0.017	2.949 0.025
p.	6.563 0.094	0.000 0.000	5.110 0.090	8.000 0.120
i.	1.331 0.017	5.110 0.090	0.000 0.000	2.759 0.037
h.	2.949 0.025	8.000 0.120	2.759 0.037	0.000 0.000

TABLE S500. KS distances on size of known words. TAG: 19. TAG: 19

	g.	p.	i.	h.
g.	0.000 0.000	2.658 0.129	1.980 0.073	1.762 0.042
p.	2.658 0.129	0.000 0.000	1.347 0.077	3.446 0.170
i.	1.980 0.073	1.347 0.077	0.000 0.000	2.994 0.115
h.	1.762 0.042	3.446 0.170	2.994 0.115	0.000 0.000

TABLE S501. KS distances on size of sentences. TAG: 19. TAG: 19

	g.	p.	i.	h.
g.	0.000 0.000	1.258 0.061	0.973 0.036	0.854 0.020
p.	1.258 0.061	0.000 0.000	0.563 0.032	1.641 0.081
i.	0.973 0.036	0.563 0.032	0.000 0.000	1.466 0.056
h.	0.854 0.020	1.641 0.081	1.466 0.056	0.000 0.000

TABLE S502. KS distances on use of adjectives on sentences. TAG: 19. TAG: 19

	g.	p.	i.	h.
g.	0.000 0.000	3.507 0.170	2.882 0.106	2.388 0.057
p.	3.507 0.170	0.000 0.000	1.595 0.091	4.538 0.224
i.	2.882 0.106	1.595 0.091	0.000 0.000	4.502 0.172
h.	2.388 0.057	4.538 0.224	4.502 0.172	0.000 0.000

TABLE S503. KS distances on use of substantives on sentences. TAG: 19. TAG: 19

	g.	p.	i.	h.
g.	0.000 0.000	2.704 0.131	2.710 0.100	1.936 0.046
p.	2.704 0.131	0.000 0.000	1.441 0.082	3.561 0.176
i.	2.710 0.100	1.441 0.082	0.000 0.000	3.810 0.146
h.	1.936 0.046	3.561 0.176	3.810 0.146	0.000 0.000

TABLE S504. KS distances on use of punctuations on sentences. TAG: 19. TAG: 19

2. Snapshots of 2000 messages

	g.	p.	i.	h.
g.	0.000	2.934	3.340	4.149
	0.000	0.020	0.012	0.015
p.	2.934	0.000	1.590	4.609
	0.020	0.000	0.011	0.032
i.	3.340	1.590	0.000	6.365
	0.012	0.011	0.000	0.027
h.	4.149	4.609	6.365	0.000
	0.015	0.032	0.027	0.000

TABLE S505. KS distances on size of tokens. TAG: 0. TAG: 0

	g.	p.	i.	h.
g.	0.000	2.427	0.975	0.725
	0.000	0.029	0.006	0.005
p.	2.427	0.000	2.778	2.609
	0.029	0.000	0.035	0.033
i.	0.975	2.778	0.000	1.127
	0.006	0.035	0.000	0.008
h.	0.725	2.609	1.127	0.000
	0.005	0.033	0.008	0.000

TABLE S506. KS distances on size of known words. TAG: 0. TAG: 0

	g.	p.	i.	h.
g.	0.000	1.337	1.418	1.933
	0.000	0.047	0.028	0.038
p.	1.337	0.000	0.519	2.482
	0.047	0.000	0.019	0.092
i.	1.418	0.519	0.000	2.849
	0.028	0.019	0.000	0.065
h.	1.933	2.482	2.849	0.000
	0.038	0.092	0.065	0.000

TABLE S507. KS distances on size of sentences. TAG: 0. TAG: 0

	g.	p.	i.	h.
g.	0.000	0.451	0.606	0.673
	0.000	0.016	0.012	0.013
p.	0.451	0.000	0.354	0.685
	0.016	0.000	0.013	0.025
i.	0.606	0.354	0.000	1.088
	0.012	0.013	0.000	0.025
h.	0.673	0.685	1.088	0.000
	0.013	0.025	0.025	0.000

TABLE S508. KS distances on use of adjectives on sentences. TAG: 0. TAG: 0

	g.	p.	i.	h.
g.	0.000	0.398	1.291	1.374
	0.000	0.014	0.025	0.027
p.	0.398	0.000	0.901	1.736
	0.014	0.000	0.034	0.065
i.	1.291	0.901	0.000	2.216
	0.025	0.034	0.000	0.051
h.	1.374	1.736	2.216	0.000
	0.027	0.065	0.051	0.000

TABLE S509. KS distances on use of substantives on sentences. TAG: 0. TAG: 0

	g.	p.	i.	h.
g.	0.000	0.210	0.258	0.358
	0.000	0.007	0.005	0.007
p.	0.210	0.000	0.167	1.715
	0.007	0.000	0.006	0.064
i.	0.258	0.167	0.000	0.524
	0.005	0.006	0.000	0.012
h.	0.358	1.715	0.524	0.000
	0.007	0.064	0.012	0.000

TABLE S510. KS distances on use of punctuations on sentences. TAG: 0. TAG: 0

	g.	p.	i.	h.
g.	0.000	0.859	0.901	1.470
	0.000	0.005	0.003	0.006
p.	0.859	0.000	0.735	1.544
	0.005	0.000	0.005	0.010
i.	0.901	0.735	0.000	2.024
	0.003	0.005	0.000	0.009
h.	1.470	1.544	2.024	0.000
	0.006	0.010	0.009	0.000

TABLE S511. KS distances on size of tokens. TAG: 2. TAG: 2

	g.	p.	i.	h.
g.	0.000	1.876	0.944	1.727
	0.000	0.025	0.007	0.015
p.	1.876	0.000	1.673	2.475
	0.025	0.000	0.024	0.037
i.	0.944	1.673	0.000	2.262
	0.007	0.024	0.000	0.023
h.	1.727	2.475	2.262	0.000
	0.015	0.037	0.023	0.000

TABLE S512. KS distances on size of known words. TAG: 2. TAG: 2

	g.	p.	i.	h.
g.	0.000	0.581	0.318	0.566
	0.000	0.017	0.005	0.011
p.	0.581	0.000	0.555	0.602
	0.017	0.000	0.017	0.019
i.	0.318	0.555	0.000	0.754
	0.005	0.017	0.000	0.016
h.	0.566	0.602	0.754	0.000
	0.011	0.019	0.016	0.000

TABLE S513. KS distances on size of sentences. TAG: 2. TAG: 2

	g.	p.	i.	h.
g.	0.000	0.324	0.309	0.192
	0.000	0.009	0.005	0.004
p.	0.324	0.000	0.481	0.179
	0.009	0.000	0.015	0.006
i.	0.309	0.481	0.000	0.418
	0.005	0.015	0.000	0.009
h.	0.192	0.179	0.418	0.000
	0.004	0.006	0.009	0.000

TABLE S514. KS distances on use of adjectives on sentences. TAG: 2. TAG: 2

	g.	p.	i.	h.
g.	0.000	0.566	0.545	0.819
	0.000	0.016	0.009	0.015
p.	0.566	0.000	0.623	1.013
	0.016	0.000	0.019	0.032
i.	0.545	0.623	0.000	1.099
	0.009	0.019	0.000	0.024
h.	0.819	1.013	1.099	0.000
	0.015	0.032	0.024	0.000

TABLE S515. KS distances on use of substantives on sentences. TAG: 2. TAG: 2

	g.	p.	i.	h.
g.	0.000	0.686	0.209	0.444
	0.000	0.020	0.004	0.008
p.	0.686	0.000	0.650	0.834
	0.020	0.000	0.020	0.026
i.	0.209	0.650	0.000	0.474
	0.004	0.020	0.000	0.010
h.	0.444	0.834	0.474	0.000
	0.008	0.026	0.010	0.000

TABLE S516. KS distances on use of punctuations on sentences. TAG: 2. TAG: 2

	g.	p.	i.	h.
g.	0.000 0.000	2.354 0.012	5.094 0.018	4.953 0.016
p.	2.354 0.012	0.000 0.000	2.466 0.013	5.225 0.028
i.	5.094 0.018	2.466 0.013	0.000 0.000	8.423 0.034
h.	4.953 0.016	5.225 0.028	8.423 0.034	0.000 0.000

TABLE S517. KS distances on size of tokens. TAG: 3. TAG: 3

	g.	p.	i.	h.
g.	0.000 0.000	0.941 0.009	1.775 0.012	1.880 0.011
p.	0.941 0.009	0.000 0.000	1.028 0.011	1.875 0.019
i.	1.775 0.012	1.028 0.011	0.000 0.000	3.065 0.023
h.	1.880 0.011	1.875 0.019	3.065 0.023	0.000 0.000

TABLE S518. KS distances on size of known words. TAG: 3. TAG: 3

	g.	p.	i.	h.
g.	0.000 0.000	1.355 0.033	2.000 0.036	2.056 0.032
p.	1.355 0.033	0.000 0.000	0.508 0.014	2.407 0.063
i.	2.000 0.036	0.508 0.014	0.000 0.000	3.392 0.068
h.	2.056 0.032	2.407 0.063	3.392 0.068	0.000 0.000

TABLE S519. KS distances on size of sentences. TAG: 3. TAG: 3

	g.	p.	i.	h.
g.	0.000 0.000	0.456 0.011	0.535 0.010	0.626 0.010
p.	0.456 0.011	0.000 0.000	0.358 0.010	0.803 0.021
i.	0.535 0.010	0.358 0.010	0.000 0.000	0.965 0.019
h.	0.626 0.010	0.803 0.021	0.965 0.019	0.000 0.000

TABLE S520. KS distances on use of adjectives on sentences. TAG: 3. TAG: 3

	g.	p.	i.	h.
g.	0.000 0.000	1.377 0.034	1.081 0.019	1.536 0.024
p.	1.377 0.034	0.000 0.000	0.571 0.016	2.212 0.058
i.	1.081 0.019	0.571 0.016	0.000 0.000	2.166 0.043
h.	1.536 0.024	2.212 0.058	2.166 0.043	0.000 0.000

TABLE S521. KS distances on use of substantives on sentences. TAG: 3. TAG: 3

	g.	p.	i.	h.
g.	0.000 0.000	1.496 0.037	0.935 0.017	1.297 0.020
p.	1.496 0.037	0.000 0.000	0.520 0.014	2.180 0.057
i.	0.935 0.017	0.520 0.014	0.000 0.000	1.699 0.034
h.	1.297 0.020	2.180 0.057	1.699 0.034	0.000 0.000

TABLE S522. KS distances on use of punctuations on sentences. TAG: 3. TAG: 3

	g.	p.	i.	h.
g.	0.000 0.000	7.030 0.051	2.232 0.011	2.118 0.011
p.	7.030 0.051	0.000 0.000	7.611 0.061	7.757 0.062
i.	2.232 0.011	7.611 0.061	0.000 0.000	1.463 0.009
h.	2.118 0.011	7.757 0.062	1.463 0.009	0.000 0.000

TABLE S523. KS distances on size of tokens. TAG: 7. TAG: 7

	g.	p.	i.	h.
g.	0.000 0.000	14.419 0.219	3.291 0.041	7.307 0.091
p.	14.419 0.219	0.000 0.000	15.008 0.259	17.901 0.310
i.	3.291 0.041	15.008 0.259	0.000 0.000	4.744 0.071
h.	7.307 0.091	17.901 0.310	4.744 0.071	0.000 0.000

TABLE S524. KS distances on size of known words. TAG: 7. TAG: 7

	g.	p.	i.	h.
g.	0.000 0.000	1.726 0.059	0.424 0.011	1.236 0.032
p.	1.726 0.059	0.000 0.000	1.606 0.061	2.318 0.089
i.	0.424 0.011	1.606 0.061	0.000 0.000	1.392 0.042
h.	1.236 0.032	2.318 0.089	1.392 0.042	0.000 0.000

TABLE S525. KS distances on size of sentences. TAG: 7. TAG: 7

	g.	p.	i.	h.
g.	0.000 0.000	3.652 0.126	1.462 0.036	0.800 0.021
p.	3.652 0.126	0.000 0.000	4.285 0.162	3.801 0.147
i.	1.462 0.036	4.285 0.162	0.000 0.000	0.515 0.016
h.	0.800 0.021	3.801 0.147	0.515 0.016	0.000 0.000

TABLE S526. KS distances on use of adjectives on sentences. TAG: 7. TAG: 7

	g.	p.	i.	h.
g.	0.000 0.000	6.502 0.224	1.329 0.033	3.053 0.079
p.	6.502 0.224	0.000 0.000	6.856 0.260	7.660 0.296
i.	1.329 0.033	6.856 0.260	0.000 0.000	2.061 0.063
h.	3.053 0.079	7.660 0.296	2.061 0.063	0.000 0.000

TABLE S527. KS distances on use of substantives on sentences. TAG: 7. TAG: 7

	g.	p.	i.	h.
g.	0.000 0.000	3.391 0.117	0.581 0.014	1.598 0.042
p.	3.391 0.117	0.000 0.000	3.467 0.131	4.072 0.157
i.	0.581 0.014	3.467 0.131	0.000 0.000	1.338 0.041
h.	1.598 0.042	4.072 0.157	1.338 0.041	0.000 0.000

TABLE S528. KS distances on use of punctuations on sentences. TAG: 7. TAG: 7

	g.	p.	i.	h.
g.	0.000	1.629	1.360	1.326
	0.000	0.013	0.010	0.007
p.	1.629	0.000	1.295	2.144
	0.013	0.000	0.013	0.018
i.	1.360	1.295	0.000	1.924
	0.010	0.013	0.000	0.015
h.	1.326	2.144	1.924	0.000
	0.007	0.018	0.015	0.000

TABLE S529. KS distances on size of tokens. TAG: 8. TAG: 8

	g.	p.	i.	h.
g.	0.000	1.889	0.546	0.812
	0.000	0.028	0.007	0.008
p.	1.889	0.000	1.845	2.243
	0.028	0.000	0.033	0.035
i.	0.546	1.845	0.000	0.778
	0.007	0.033	0.000	0.011
h.	0.812	2.243	0.778	0.000
	0.008	0.035	0.011	0.000

TABLE S530. KS distances on size of known words. TAG: 8. TAG: 8

	g.	p.	i.	h.
g.	0.000	0.541	1.309	0.795
	0.000	0.024	0.053	0.023
p.	0.541	0.000	1.467	0.875
	0.024	0.000	0.079	0.041
i.	1.309	1.467	0.000	1.762
	0.053	0.079	0.000	0.076
h.	0.795	0.875	1.762	0.000
	0.023	0.041	0.076	0.000

TABLE S531. KS distances on size of sentences. TAG: 8. TAG: 8

	g.	p.	i.	h.
g.	0.000	0.821	0.170	0.393
	0.000	0.036	0.007	0.012
p.	0.821	0.000	0.718	1.024
	0.036	0.000	0.039	0.047
i.	0.170	0.718	0.000	0.380
	0.007	0.039	0.000	0.016
h.	0.393	1.024	0.380	0.000
	0.012	0.047	0.016	0.000

TABLE S532. KS distances on use of adjectives on sentences. TAG: 8. TAG: 8

	g.	p.	i.	h.
g.	0.000	0.579	0.714	0.570
	0.000	0.025	0.029	0.017
p.	0.579	0.000	0.433	0.868
	0.025	0.000	0.023	0.040
i.	0.714	0.433	0.000	0.988
	0.029	0.023	0.000	0.043
h.	0.570	0.868	0.988	0.000
	0.017	0.040	0.043	0.000

TABLE S533. KS distances on use of substantives on sentences. TAG: 8. TAG: 8

	g.	p.	i.	h.
g.	0.000	1.539	0.447	1.054
	0.000	0.067	0.018	0.031
p.	1.539	0.000	0.908	2.121
	0.067	0.000	0.049	0.098
i.	0.447	0.908	0.000	1.132
	0.018	0.049	0.000	0.049
h.	1.054	2.121	1.132	0.000
	0.031	0.098	0.049	0.000

TABLE S534. KS distances on use of punctuations on sentences. TAG: 8. TAG: 8

	g.	p.	i.	h.
g.	0.000 0.000	16.786 0.058	12.812 0.068	18.102 0.084
p.	16.786 0.058	0.000 0.000	22.411 0.126	28.462 0.142
i.	12.812 0.068	22.411 0.126	0.000 0.000	2.765 0.018
h.	18.102 0.084	28.462 0.142	2.765 0.018	0.000 0.000

TABLE S535. KS distances on size of tokens. TAG: 10. TAG: 10

	g.	p.	i.	h.
g.	0.000 0.000	21.354 0.157	13.034 0.125	16.591 0.140
p.	21.354 0.157	0.000 0.000	26.617 0.283	30.990 0.296
i.	13.034 0.125	26.617 0.283	0.000 0.000	2.913 0.033
h.	16.591 0.140	30.990 0.296	2.913 0.033	0.000 0.000

TABLE S536. KS distances on size of known words. TAG: 10. TAG: 10

	g.	p.	i.	h.
g.	0.000 0.000	2.645 0.082	0.583 0.017	1.463 0.037
p.	2.645 0.082	0.000 0.000	2.624 0.099	3.425 0.119
i.	0.583 0.017	2.624 0.099	0.000 0.000	1.040 0.035
h.	1.463 0.037	3.425 0.119	1.040 0.035	0.000 0.000

TABLE S537. KS distances on size of sentences. TAG: 10. TAG: 10

	g.	p.	i.	h.
g.	0.000 0.000	1.935 0.060	0.709 0.021	0.829 0.021
p.	1.935 0.060	0.000 0.000	2.139 0.080	2.330 0.081
i.	0.709 0.021	2.139 0.080	0.000 0.000	0.633 0.021
h.	0.829 0.021	2.330 0.081	0.633 0.021	0.000 0.000

TABLE S538. KS distances on use of adjectives on sentences. TAG: 10. TAG: 10

	g.	p.	i.	h.
g.	0.000 0.000	3.430 0.106	1.180 0.035	1.541 0.039
p.	3.430 0.106	0.000 0.000	3.731 0.140	4.181 0.145
i.	1.180 0.035	3.731 0.140	0.000 0.000	0.570 0.019
h.	1.541 0.039	4.181 0.145	0.570 0.019	0.000 0.000

TABLE S539. KS distances on use of substantives on sentences. TAG: 10. TAG: 10

	g.	p.	i.	h.
g.	0.000 0.000	1.641 0.051	0.488 0.014	0.797 0.020
p.	1.641 0.051	0.000 0.000	1.726 0.065	2.044 0.071
i.	0.488 0.014	1.726 0.065	0.000 0.000	0.935 0.031
h.	0.797 0.020	2.044 0.071	0.935 0.031	0.000 0.000

TABLE S540. KS distances on use of punctuations on sentences. TAG: 10. TAG: 10

	g.	p.	i.	h.
g.	0.000 0.000	1.392 0.012	1.775 0.007	2.365 0.010
p.	1.392 0.012	0.000 0.000	1.068 0.009	2.120 0.019
i.	1.775 0.007	1.068 0.009	0.000 0.000	3.548 0.017
h.	2.365 0.010	2.120 0.019	3.548 0.017	0.000 0.000

TABLE S541. KS distances on size of tokens. TAG: 11. TAG: 11

	g.	p.	i.	h.
g.	0.000 0.000	1.344 0.020	1.266 0.009	1.067 0.008
p.	1.344 0.020	0.000 0.000	1.393 0.022	1.571 0.025
i.	1.266 0.009	1.393 0.022	0.000 0.000	1.989 0.017
h.	1.067 0.008	1.571 0.025	1.989 0.017	0.000 0.000

TABLE S542. KS distances on size of known words. TAG: 11. TAG: 11

	g.	p.	i.	h.
g.	0.000 0.000	0.714 0.031	1.185 0.024	1.357 0.028
p.	0.714 0.031	0.000 0.000	0.781 0.035	1.274 0.057
i.	1.185 0.024	0.781 0.035	0.000 0.000	2.105 0.050
h.	1.357 0.028	1.274 0.057	2.105 0.050	0.000 0.000

TABLE S543. KS distances on size of sentences. TAG: 11. TAG: 11

	g.	p.	i.	h.
g.	0.000 0.000	0.729 0.031	0.727 0.014	0.615 0.013
p.	0.729 0.031	0.000 0.000	0.967 0.043	0.693 0.031
i.	0.727 0.014	0.967 0.043	0.000 0.000	1.145 0.027
h.	0.615 0.013	0.693 0.031	1.145 0.027	0.000 0.000

TABLE S544. KS distances on use of adjectives on sentences. TAG: 11. TAG: 11

	g.	p.	i.	h.
g.	0.000 0.000	0.851 0.036	2.151 0.043	2.036 0.042
p.	0.851 0.036	0.000 0.000	1.786 0.079	0.511 0.023
i.	2.151 0.043	1.786 0.079	0.000 0.000	3.575 0.085
h.	2.036 0.042	0.511 0.023	3.575 0.085	0.000 0.000

TABLE S545. KS distances on use of substantives on sentences. TAG: 11. TAG: 11

	g.	p.	i.	h.
g.	0.000 0.000	0.733 0.031	1.642 0.033	1.823 0.038
p.	0.733 0.031	0.000 0.000	0.690 0.031	1.543 0.069
i.	1.642 0.033	0.690 0.031	0.000 0.000	2.963 0.070
h.	1.823 0.038	1.543 0.069	2.963 0.070	0.000 0.000

TABLE S546. KS distances on use of punctuations on sentences. TAG: 11. TAG: 11

	g.	p.	i.	h.
g.	0.000	3.293	1.990	1.440
	0.000	0.020	0.010	0.012
p.	3.293	0.000	4.432	2.850
	0.020	0.000	0.029	0.026
i.	1.990	4.432	0.000	1.775
	0.010	0.029	0.000	0.015
h.	1.440	2.850	1.775	0.000
	0.012	0.026	0.015	0.000

TABLE S547. KS distances on size of tokens. TAG: 15. TAG: 15

	g.	p.	i.	h.
g.	0.000	6.079	3.364	1.795
	0.000	0.068	0.030	0.026
p.	6.079	0.000	7.967	5.629
	0.068	0.000	0.096	0.094
i.	3.364	7.967	0.000	1.601
	0.030	0.096	0.000	0.024
h.	1.795	5.629	1.601	0.000
	0.026	0.094	0.024	0.000

TABLE S548. KS distances on size of known words. TAG: 15. TAG: 15

	g.	p.	i.	h.
g.	0.000	1.223	0.757	0.526
	0.000	0.041	0.019	0.024
p.	1.223	0.000	1.635	1.039
	0.041	0.000	0.058	0.053
i.	0.757	1.635	0.000	0.633
	0.019	0.058	0.000	0.030
h.	0.526	1.039	0.633	0.000
	0.024	0.053	0.030	0.000

TABLE S549. KS distances on size of sentences. TAG: 15. TAG: 15

	g.	p.	i.	h.
g.	0.000	0.713	0.456	0.932
	0.000	0.024	0.012	0.042
p.	0.713	0.000	0.832	0.941
	0.024	0.000	0.030	0.048
i.	0.456	0.832	0.000	1.145
	0.012	0.030	0.000	0.053
h.	0.932	0.941	1.145	0.000
	0.042	0.048	0.053	0.000

TABLE S550. KS distances on use of adjectives on sentences. TAG: 15. TAG: 15

	g.	p.	i.	h.
g.	0.000	1.289	0.912	1.011
	0.000	0.043	0.023	0.045
p.	1.289	0.000	1.844	1.557
	0.043	0.000	0.066	0.080
i.	0.912	1.844	0.000	1.065
	0.023	0.066	0.000	0.050
h.	1.011	1.557	1.065	0.000
	0.045	0.080	0.050	0.000

TABLE S551. KS distances on use of substantives on sentences. TAG: 15. TAG: 15

	g.	p.	i.	h.
g.	0.000	1.048	0.636	0.445
	0.000	0.035	0.016	0.020
p.	1.048	0.000	1.430	0.759
	0.035	0.000	0.051	0.039
i.	0.636	1.430	0.000	0.500
	0.016	0.051	0.000	0.023
h.	0.445	0.759	0.500	0.000
	0.020	0.039	0.023	0.000

TABLE S552. KS distances on use of punctuations on sentences. TAG: 15. TAG: 15

I. Correlation of topological and textual metrics

1. Snapshots of 1000 messages

	cc	d	s	$\mu_S(p)$	$\sigma_S(p)$	$\mu_S(kw)$	$\sigma_S(kw)$	$\mu_S(sw)$	$\sigma_S(sw)$
cc	**1.01**	0.07	0.04	-0.02	0.03	-0.00	0.06	0.04	0.13
(p.)	**1.02**	0.24	0.14	-0.03	0.01	-0.09	-0.06	-0.05	0.00
(i.)	**1.02**	-0.24	-0.21	-0.20	-0.14	-0.17	-0.10	-0.11	-0.16
(h.)	**1.14**	**-0.86**	-0.14	-0.04	0.31	0.20	0.27	0.10	-0.01
d	0.07	**1.01**	**0.96**	0.08	0.10	0.09	0.13	0.09	0.24
	0.24	**1.02**	**0.82**	-0.17	0.01	-0.27	-0.04	-0.23	-0.05
	-0.24	**1.02**	**0.96**	0.21	0.05	0.23	0.04	0.13	0.09
	-0.86	**1.14**	**0.77**	0.52	0.07	0.08	-0.07	0.15	0.31
s	0.04	**0.96**	**1.01**	0.07	0.10	0.09	0.13	0.09	0.23
	0.14	**0.82**	**1.02**	-0.16	-0.01	-0.21	-0.03	-0.18	-0.04
	-0.21	**0.96**	**1.02**	0.14	0.06	0.15	0.05	0.08	0.11
	-0.14	**0.77**	**1.14**	0.50	0.18	0.49	0.22	0.50	0.40
$\mu_S(p)$	-0.02	0.08	0.07	**1.01**	**0.63**	**0.78**	0.49	**0.63**	0.45
	-0.03	-0.17	-0.16	**1.02**	**0.64**	**0.75**	**0.62**	**0.61**	0.54
	-0.20	0.21	0.14	**1.02**	**0.62**	**0.87**	0.40	**0.69**	0.33
	-0.04	0.52	0.50	**1.14**	**0.89**	0.01	0.39	-0.01	0.56
$\sigma_S(p)$	0.03	0.10	0.10	**0.63**	**1.01**	0.28	**0.75**	0.11	0.59
	0.01	0.01	-0.01	**0.64**	**1.02**	0.21	**0.74**	0.09	0.57
	-0.14	0.05	0.06	**0.62**	**1.02**	0.36	**0.81**	0.10	**0.62**
	0.31	0.07	0.18	**0.89**	**1.14**	0.36	**0.80**	0.28	**0.76**
$\mu_S(kw)$	-0.00	0.09	0.09	**0.78**	0.28	**1.01**	0.44	**0.92**	0.46
	-0.09	-0.27	-0.21	**0.75**	0.21	**1.02**	0.45	**0.95**	0.44
	-0.17	0.23	0.15	**0.87**	0.36	**1.02**	0.42	**0.90**	0.44
	0.20	0.08	0.49	0.01	0.36	**1.14**	**0.95**	**1.13**	**0.92**
$\sigma_S(kw)$	0.06	0.13	0.13	0.49	**0.75**	0.44	**1.01**	0.26	**0.85**
	-0.06	-0.04	-0.03	**0.62**	**0.74**	0.45	**1.02**	0.31	**0.93**
	-0.10	0.04	0.05	0.40	**0.81**	0.42	**1.02**	0.17	**0.82**
	0.27	-0.07	0.22	0.39	**0.80**	**0.95**	**1.14**	**0.91**	**1.05**
$\mu_S(sw)$	0.04	0.09	0.09	**0.63**	0.11	**0.92**	0.26	**1.01**	0.38
	-0.05	-0.23	-0.18	**0.61**	0.09	**0.95**	0.31	**1.02**	0.39
	-0.11	0.13	0.08	**0.69**	0.10	**0.90**	0.17	**1.02**	0.32
	0.10	0.15	0.50	-0.01	0.28	**1.13**	**0.91**	**1.14**	**0.92**
$\sigma_S(sw)$	0.13	0.24	0.23	0.45	0.59	0.46	**0.85**	0.38	**1.01**
	0.00	-0.05	-0.04	0.54	0.57	0.44	**0.93**	0.39	**1.02**
	-0.16	0.09	0.11	0.33	**0.62**	0.44	**0.82**	0.32	**1.02**
	-0.01	0.31	0.40	0.56	**0.76**	**0.92**	**1.05**	**0.92**	**1.14**

TABLE S553. 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	**1.01**	0.12	0.11	0.02	0.03	0.09	0.10	-0.03	0.01
(p.)	**1.01**	0.31	0.23	-0.01	0.01	0.06	0.09	-0.09	-0.07
(i.)	**1.02**	-0.22	-0.19	0.27	0.28	0.22	0.18	0.17	0.18
(h.)	**1.05**	-0.33	-0.28	0.26	0.04	0.25	0.03	0.34	0.21
d	0.12	**1.01**	**0.99**	-0.06	-0.04	-0.06	-0.01	0.03	0.11
	0.31	**1.01**	**0.92**	-0.20	-0.20	-0.16	-0.16	0.08	0.07
	-0.22	**1.02**	**0.93**	-0.27	-0.25	-0.19	-0.15	-0.00	0.01
	-0.33	**1.05**	**1.01**	-0.28	-0.19	-0.16	0.05	-0.14	0.01
s	0.11	**0.99**	**1.01**	-0.06	-0.03	-0.06	-0.01	0.02	0.10
	0.23	**0.92**	**1.01**	-0.17	-0.18	-0.13	-0.15	0.13	0.13
	-0.19	**0.93**	**1.02**	-0.25	-0.19	-0.16	-0.08	-0.04	-0.04
	-0.28	**1.01**	**1.05**	-0.32	-0.23	-0.25	-0.02	-0.16	0.00
$\mu_S(p)$	0.02	-0.06	-0.06	**1.01**	**0.98**	**0.83**	**0.81**	0.10	0.16
	-0.01	-0.20	-0.17	**1.01**	**1.00**	**0.84**	**0.84**	0.04	0.15
	0.27	-0.27	-0.25	**1.02**	**0.91**	**0.93**	**0.80**	0.45	0.22
	0.26	-0.28	-0.32	**1.05**	**0.83**	**0.69**	0.55	0.44	0.33
$\sigma_S(p)$	0.03	-0.04	-0.03	**0.98**	**1.01**	**0.78**	**0.83**	0.05	0.13
	0.01	-0.20	-0.18	**1.00**	**1.01**	**0.82**	**0.85**	0.01	0.12
	0.28	-0.25	-0.19	**0.91**	**1.02**	**0.82**	**0.91**	0.37	0.22
	0.04	-0.19	-0.23	**0.83**	**1.05**	0.52	**0.65**	0.24	0.23
$\mu_S(kw)$	0.09	-0.06	-0.06	**0.83**	**0.78**	**1.01**	**0.92**	0.42	0.41
	0.06	-0.16	-0.13	**0.84**	**0.82**	**1.01**	**0.95**	0.36	0.40
	0.22	-0.19	-0.16	**0.93**	**0.82**	**1.02**	**0.88**	**0.61**	0.37
	0.25	-0.16	-0.25	**0.69**	0.52	**1.05**	**0.86**	**0.85**	**0.73**
$\sigma_S(kw)$	0.10	-0.01	-0.01	**0.81**	**0.83**	**0.92**	**1.01**	0.31	0.41
	0.09	-0.16	-0.15	**0.84**	**0.85**	**0.95**	**1.01**	0.26	0.41
	0.18	-0.15	-0.08	**0.80**	**0.91**	**0.88**	**1.02**	0.48	0.34
	0.03	0.05	-0.02	0.55	**0.65**	**0.86**	**1.05**	0.55	0.57
$\mu_S(sw)$	-0.03	0.03	0.02	0.10	0.05	0.42	0.31	**1.01**	**0.84**
	-0.09	0.08	0.13	0.04	0.01	0.36	0.26	**1.01**	**0.84**
	0.17	-0.00	-0.04	0.45	0.37	**0.61**	0.48	**1.02**	**0.85**
	0.34	-0.14	-0.16	0.44	0.24	**0.85**	0.55	**1.05**	**0.97**
$\sigma_S(sw)$	0.01	0.11	0.10	0.16	0.13	0.41	0.41	**0.84**	**1.01**
	-0.07	0.07	0.13	0.15	0.12	0.40	0.41	**0.84**	**1.01**
	0.18	0.01	-0.04	0.22	0.22	0.37	0.34	**0.85**	**1.02**
	0.21	0.01	0.00	0.33	0.23	**0.73**	0.57	**0.97**	**1.05**

TABLE S554. 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	**1.01**	-0.06	-0.07	0.20	0.26	0.27	0.35	0.34	0.35
(p.)	**1.02**	**0.65**	0.46	0.11	0.26	0.33	0.38	0.45	0.43
(i.)	**1.03**	**-0.77**	-0.39	0.20	0.13	-0.07	0.07	-0.21	-0.22
(h.)	**1.17**	**-0.87**	**-0.85**	-0.03	-0.11	0.07	-0.28	0.18	-0.17
d	-0.06	**1.01**	**0.98**	-0.02	0.02	0.01	0.06	0.06	0.13
	0.65	**1.02**	**0.68**	0.18	0.21	0.41	0.39	0.49	0.46
	-0.77	**1.03**	0.54	-0.22	-0.12	-0.00	-0.05	0.09	0.08
	-0.87	**1.17**	**1.16**	-0.37	-0.39	-0.44	-0.24	-0.39	0.16
s	-0.07	**0.98**	**1.01**	-0.01	0.04	-0.02	0.07	0.00	0.10
	0.46	**0.68**	**1.02**	0.21	0.35	0.34	0.44	0.31	0.32
	-0.39	0.54	**1.03**	0.05	0.36	0.05	0.38	-0.02	0.15
	-0.85	**1.16**	**1.17**	-0.32	-0.35	-0.46	-0.22	-0.47	0.09
$\mu_S(p)$	0.20	-0.02	-0.01	**1.01**	**0.86**	**0.63**	**0.75**	0.19	0.37
	0.11	0.18	0.21	**1.02**	**0.82**	**0.66**	**0.68**	0.35	0.49
	0.20	-0.22	0.05	**1.03**	**0.88**	**0.64**	**0.79**	-0.05	0.23
	-0.03	-0.37	-0.32	**1.17**	**1.09**	**0.89**	**1.00**	0.34	0.50
$\sigma_S(p)$	0.26	0.02	0.04	**0.86**	**1.01**	0.52	**0.92**	0.15	0.39
	0.26	0.21	0.35	**0.82**	**1.02**	**0.60**	**0.91**	0.31	0.55
	0.13	-0.12	0.36	**0.88**	**1.03**	0.51	**0.97**	-0.11	0.23
	-0.11	-0.39	-0.35	**1.09**	**1.17**	**0.97**	**1.13**	0.54	0.47
$\mu_S(kw)$	0.27	0.01	-0.02	**0.63**	0.52	**1.01**	**0.70**	**0.77**	**0.75**
	0.33	0.41	0.34	**0.66**	**0.60**	**1.02**	**0.75**	**0.81**	**0.73**
	-0.07	-0.00	0.05	**0.64**	0.51	**1.03**	**0.67**	**0.70**	**0.80**
	0.07	-0.44	-0.46	**0.89**	**0.97**	**1.17**	**1.02**	**0.96**	**0.81**
$\sigma_S(kw)$	0.35	0.06	0.07	**0.75**	**0.92**	**0.70**	**1.01**	0.39	**0.64**
	0.38	0.39	0.44	**0.68**	**0.91**	**0.75**	**1.02**	0.53	**0.77**
	0.07	-0.05	0.38	**0.79**	**0.97**	**0.67**	**1.03**	0.12	0.46
	-0.28	-0.24	-0.22	**1.00**	**1.13**	**1.02**	**1.17**	**0.68**	0.59
$\mu_S(sw)$	0.34	0.06	0.00	0.19	0.15	**0.77**	0.39	**1.01**	**0.84**
	0.45	0.49	0.31	0.35	0.31	**0.81**	0.53	**1.02**	**0.83**
	-0.21	0.09	-0.02	-0.05	-0.11	**0.70**	0.12	**1.03**	**0.89**
	0.18	-0.39	-0.47	0.34	0.54	**0.96**	**0.68**	**1.17**	**0.82**
$\sigma_S(sw)$	0.35	0.13	0.10	0.37	0.39	**0.75**	**0.64**	**0.84**	**1.01**
	0.43	0.46	0.32	0.49	0.55	**0.73**	**0.77**	**0.83**	**1.02**
	-0.22	0.08	0.15	0.23	0.23	**0.80**	0.46	**0.89**	**1.03**
	-0.17	0.16	0.09	0.50	0.47	**0.81**	0.59	**0.82**	**1.17**

TABLE S555. 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**	0.20	0.19	-0.02	0.00	-0.02	-0.01	-0.00	0.02
(p.)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(i.)	**1.02**	0.53	0.27	-0.03	-0.05	-0.13	-0.11	-0.18	-0.10
(h.)	**1.09**	-0.41	-0.36	0.51	**0.69**	**0.62**	0.50	**0.78**	**0.74**
d	0.20	**1.00**	**0.99**	-0.02	-0.01	-0.02	-0.01	-0.00	0.01
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.53	**1.02**	**0.78**	0.00	0.10	-0.10	0.04	-0.16	-0.01
	-0.41	**1.09**	**1.08**	-0.21	-0.17	-0.17	-0.15	-0.14	-0.26
s	0.19	**0.99**	**1.00**	-0.02	-0.00	-0.02	-0.01	0.00	0.02
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.27	**0.78**	**1.02**	0.05	0.21	0.01	0.17	0.09	0.32
	-0.36	**1.08**	**1.09**	-0.16	-0.11	-0.16	-0.11	-0.13	-0.21
$\mu_S(p)$	-0.02	-0.02	-0.02	**1.00**	**0.87**	**0.91**	**0.75**	0.09	0.08
	0.00	0.00	0.00	**1.00**	**0.87**	**0.91**	**0.75**	0.09	0.08
	-0.03	0.00	0.05	**1.02**	**0.96**	**0.94**	**0.95**	0.38	0.47
	0.51	-0.21	-0.16	**1.09**	**0.97**	**0.98**	**0.99**	0.54	**0.61**
$\sigma_S(p)$	0.00	-0.01	-0.00	**0.87**	**1.00**	**0.85**	**0.92**	0.07	0.18
	0.00	0.00	0.00	**0.87**	**1.00**	**0.85**	**0.92**	0.07	0.17
	-0.05	0.10	0.21	**0.96**	**1.02**	**0.87**	**1.00**	0.38	0.55
	0.69	-0.17	-0.11	**0.97**	**1.09**	**0.85**	**1.00**	**0.66**	**0.80**
$\mu_S(kw)$	-0.02	-0.02	-0.02	**0.91**	**0.85**	**1.00**	**0.85**	0.36	0.20
	0.00	0.00	0.00	**0.91**	**0.85**	**1.00**	**0.86**	0.36	0.21
	-0.13	-0.10	0.01	**0.94**	**0.87**	**1.02**	**0.93**	**0.65**	0.52
	0.62	-0.17	-0.16	**0.98**	**0.85**	**1.09**	**0.87**	**0.77**	**0.65**
$\sigma_S(kw)$	-0.01	-0.01	-0.01	**0.75**	**0.92**	**0.85**	**1.00**	0.14	0.33
	0.00	0.00	0.00	**0.75**	**0.92**	**0.86**	**1.00**	0.13	0.32
	-0.11	0.04	0.17	**0.95**	**1.00**	**0.93**	**1.02**	0.47	**0.61**
	0.50	-0.15	-0.11	**0.99**	**1.00**	**0.87**	**1.09**	0.46	0.54
$\mu_S(sw)$	-0.00	-0.00	0.00	0.09	0.07	0.36	0.14	**1.00**	0.43
	0.00	0.00	0.00	0.09	0.07	0.36	0.13	**1.00**	0.43
	-0.18	-0.16	0.09	0.38	0.38	**0.65**	0.47	**1.02**	**0.61**
	0.78	-0.14	-0.13	0.54	**0.66**	**0.77**	0.46	**1.09**	**0.99**
$\sigma_S(sw)$	0.02	0.01	0.02	0.08	0.18	0.20	0.33	0.43	**1.00**
	0.00	0.00	0.00	0.08	0.17	0.21	0.32	0.43	**1.00**
	-0.10	-0.01	0.32	0.47	0.55	0.52	**0.61**	**0.61**	**1.02**
	0.74	-0.26	-0.21	**0.61**	**0.80**	**0.65**	0.54	**0.99**	**1.09**

TABLE S556. 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	**1.01**	0.14	0.13	0.00	0.07	-0.06	0.05	0.01	0.07
(p.)	**1.01**	0.29	0.28	-0.04	0.02	-0.09	0.02	-0.03	0.02
(i.)	**1.01**	0.19	0.15	0.12	0.19	-0.03	0.10	0.07	0.12
(h.)	**1.06**	-0.40	-0.22	0.04	-0.16	-0.03	-0.23	0.02	-0.06
d	0.14	**1.01**	**0.98**	0.08	0.16	0.10	0.26	0.18	0.33
	0.29	**1.01**	**0.92**	0.05	0.10	-0.16	-0.05	-0.13	-0.08
	0.19	**1.01**	**0.90**	0.16	0.27	0.06	0.36	0.16	0.27
	-0.40	**1.06**	**0.94**	0.14	0.16	0.13	0.14	0.20	0.20
s	0.13	**0.98**	**1.01**	0.06	0.14	0.10	0.25	0.17	0.32
	0.28	**0.92**	**1.01**	0.04	0.07	-0.13	-0.03	-0.10	-0.04
	0.15	**0.90**	**1.01**	0.06	0.19	0.02	0.33	0.11	0.24
	-0.22	**0.94**	**1.06**	0.13	0.12	0.08	0.12	0.12	0.11
$\mu_S(p)$	0.00	0.08	0.06	**1.01**	**0.79**	**0.76**	**0.61**	0.35	0.36
	-0.04	0.05	0.04	**1.01**	**0.87**	**0.73**	**0.60**	0.30	0.37
	0.12	0.16	0.06	**1.01**	**0.65**	**0.78**	**0.63**	0.27	0.18
	0.04	0.14	0.13	**1.06**	**0.89**	**1.03**	**0.78**	**0.95**	**0.88**
$\sigma_S(p)$	0.07	0.16	0.14	**0.79**	**1.01**	0.49	**0.79**	0.24	0.53
	0.02	0.10	0.07	**0.87**	**1.01**	0.54	**0.78**	0.22	0.55
	0.19	0.27	0.19	**0.65**	**1.01**	0.35	**0.81**	0.16	0.41
	-0.16	0.16	0.12	**0.89**	**1.06**	**0.87**	**1.02**	**0.75**	**0.91**
$\mu_S(kw)$	-0.06	0.10	0.10	**0.76**	0.49	**1.01**	**0.64**	**0.66**	0.46
	-0.09	-0.16	-0.13	**0.73**	0.54	**1.01**	**0.63**	**0.64**	0.45
	-0.03	0.06	0.02	**0.78**	0.35	**1.01**	**0.62**	0.55	0.27
	-0.03	0.13	0.08	**1.03**	**0.87**	**1.06**	**0.80**	**0.99**	**0.92**
$\sigma_S(kw)$	0.05	0.26	0.25	**0.61**	**0.79**	**0.64**	**1.01**	0.39	**0.70**
	0.02	-0.05	-0.03	**0.60**	**0.78**	**0.63**	**1.01**	0.33	**0.73**
	0.10	0.36	0.33	**0.63**	**0.81**	**0.62**	**1.01**	0.35	0.46
	-0.23	0.14	0.12	**0.78**	**1.02**	**0.80**	**1.06**	**0.69**	**0.92**
$\mu_S(sw)$	0.01	0.18	0.17	0.35	0.24	**0.66**	0.39	**1.01**	**0.71**
	-0.03	-0.13	-0.10	0.30	0.22	**0.64**	0.33	**1.01**	**0.66**
	0.07	0.16	0.11	0.27	0.16	0.55	0.35	**1.01**	**0.72**
	0.02	0.20	0.12	**0.95**	**0.75**	**0.99**	**0.69**	**1.06**	**0.95**
$\sigma_S(sw)$	0.07	0.33	0.32	0.36	0.53	0.46	**0.70**	**0.71**	**1.01**
	0.02	-0.08	-0.04	0.37	0.55	0.45	**0.73**	**0.66**	**1.01**
	0.12	0.27	0.24	0.18	0.41	0.27	0.46	**0.72**	**1.01**
	-0.06	0.20	0.11	**0.88**	**0.91**	**0.92**	**0.92**	**0.95**	**1.06**

TABLE S557. 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	**1.01**	0.17	0.09	-0.06	-0.03	-0.03	-0.06	0.24	0.09
(p.)	**1.01**	0.30	0.29	-0.05	-0.06	-0.01	-0.06	0.25	-0.03
(i.)	**1.02**	-0.02	0.03	0.36	0.21	0.11	-0.01	0.07	-0.15
(h.)	**1.13**	**-0.77**	**-0.71**	-0.54	-0.42	-0.20	-0.13	0.01	0.08
d	0.17	**1.01**	**0.96**	-0.07	-0.03	-0.02	-0.00	0.15	0.26
	0.30	**1.01**	**0.96**	-0.22	-0.21	-0.15	-0.19	0.15	-0.14
	-0.02	**1.02**	**0.91**	-0.07	0.02	0.16	0.20	0.23	0.32
	-0.77	**1.12**	**1.07**	-0.08	-0.19	-0.13	-0.40	-0.05	-0.07
s	0.09	**0.96**	**1.01**	-0.04	-0.01	-0.01	0.01	0.11	0.21
	0.29	**0.96**	**1.01**	-0.20	-0.19	-0.14	-0.17	0.12	-0.13
	0.03	**0.91**	**1.02**	-0.09	-0.01	0.13	0.15	0.25	0.29
	-0.71	**1.07**	**1.13**	0.07	0.03	-0.06	-0.20	-0.13	-0.10
$\mu_S(p)$	-0.06	-0.07	-0.04	**1.01**	**0.95**	**0.96**	**0.93**	0.14	0.27
	-0.05	-0.22	-0.20	**1.01**	**0.97**	**0.97**	**0.95**	0.18	0.39
	0.36	-0.07	-0.09	**1.02**	**0.94**	0.36	0.58	-0.03	0.05
	-0.54	-0.08	0.07	**1.12**	**0.96**	**0.70**	**0.96**	0.11	0.42
$\sigma_S(p)$	-0.03	-0.03	-0.01	**0.95**	**1.01**	**0.90**	**0.97**	0.11	0.33
	-0.06	-0.21	-0.19	**0.97**	**1.01**	**0.93**	**0.99**	0.14	0.45
	0.21	0.02	-0.01	**0.94**	**1.02**	0.33	**0.62**	-0.06	0.05
	-0.42	-0.19	0.03	**0.96**	**1.12**	0.54	**1.01**	-0.14	0.01
$\mu_S(kw)$	-0.03	-0.02	-0.01	**0.96**	**0.90**	**1.01**	**0.93**	0.37	0.43
	-0.01	-0.15	-0.14	**0.97**	**0.93**	**1.01**	**0.95**	0.38	0.50
	0.11	0.16	0.13	0.36	0.33	**1.02**	**0.70**	**0.82**	**0.79**
	-0.20	-0.13	-0.06	**0.70**	0.54	**1.12**	**0.82**	**0.88**	**0.85**
$\sigma_S(kw)$	-0.06	-0.00	0.01	**0.93**	**0.97**	**0.93**	**1.01**	0.20	0.50
	-0.06	-0.19	-0.17	**0.95**	**0.99**	**0.95**	**1.01**	0.21	0.58
	-0.01	0.20	0.15	0.58	**0.62**	**0.70**	**1.02**	0.36	**0.66**
	-0.13	-0.40	-0.20	**0.96**	**1.01**	**0.82**	**1.12**	0.20	0.43
$\mu_S(sw)$	0.24	0.15	0.11	0.14	0.11	0.37	0.20	**1.01**	0.50
	0.25	0.15	0.12	0.18	0.14	0.38	0.21	**1.01**	0.37
	0.07	0.23	0.25	-0.03	-0.06	**0.82**	0.36	**1.02**	**0.83**
	0.01	-0.05	-0.13	0.11	-0.14	**0.88**	0.20	**1.12**	**0.86**
$\sigma_S(sw)$	0.09	0.26	0.21	0.27	0.33	0.43	0.50	0.50	**1.01**
	-0.03	-0.14	-0.13	0.39	0.45	0.50	0.58	0.37	**1.01**
	-0.15	0.32	0.29	0.05	0.05	**0.79**	**0.66**	**0.83**	**1.02**
	0.08	-0.07	-0.10	0.42	0.01	**0.85**	0.43	**0.86**	**1.12**

TABLE S558. 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**	0.05	0.04	-0.04	0.00	-0.02	0.01	-0.00	0.00
(p.)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(i.)	**1.01**	-0.11	-0.18	-0.19	-0.11	-0.23	-0.17	-0.17	-0.15
(h.)	**1.17**	**-0.78**	**-0.78**	0.11	0.15	-0.07	0.05	-0.53	-0.37
d	0.05	**1.00**	**1.00**	0.07	0.06	0.18	0.20	0.25	0.28
	0.00	**1.00**	**0.93**	0.06	0.08	0.06	0.06	0.07	0.06
	-0.11	**1.01**	**0.91**	0.01	0.02	0.01	0.06	0.07	0.10
	-0.78	**1.17**	**1.17**	-0.05	-0.04	0.17	0.14	**0.65**	0.58
s	0.04	**1.00**	**1.00**	0.09	0.07	0.19	0.22	0.25	0.29
	0.00	**0.93**	**1.00**	0.12	0.17	0.15	0.14	0.15	0.18
	-0.18	**0.91**	**1.01**	0.11	0.12	0.09	0.22	0.08	0.12
	-0.78	**1.17**	**1.17**	-0.00	0.01	0.21	0.19	**0.68**	**0.62**
$\mu_S(p)$	-0.04	0.07	0.09	**1.00**	**0.86**	**0.61**	**0.68**	0.25	0.35
	0.00	0.06	0.12	**1.00**	**0.84**	0.55	0.57	0.12	0.20
	-0.19	0.01	0.11	**1.01**	**0.93**	**0.65**	**0.82**	0.43	0.53
	0.11	-0.05	-0.00	**1.17**	**1.16**	**1.12**	**1.13**	**0.77**	**0.88**
$\sigma_S(p)$	0.00	0.06	0.07	**0.86**	**1.00**	0.40	**0.71**	0.15	0.41
	0.00	0.08	0.17	**0.84**	**1.00**	0.37	0.59	0.05	0.28
	-0.11	0.02	0.12	**0.93**	**1.01**	0.39	**0.83**	0.21	0.57
	0.15	-0.04	0.01	**1.16**	**1.17**	**1.10**	**1.12**	**0.71**	**0.85**
$\mu_S(kw)$	-0.02	0.18	0.19	**0.61**	0.40	**1.00**	**0.65**	**0.78**	0.51
	0.00	0.06	0.15	0.55	0.37	**1.00**	**0.65**	**0.72**	0.48
	-0.23	0.01	0.09	**0.65**	0.39	**1.01**	0.54	**0.87**	0.40
	-0.07	0.17	0.21	**1.12**	**1.10**	**1.17**	**1.16**	**0.97**	**1.05**
$\sigma_S(kw)$	0.01	0.20	0.22	**0.68**	**0.71**	**0.65**	**1.00**	0.42	**0.76**
	0.00	0.06	0.14	0.57	0.59	**0.65**	**1.00**	0.36	**0.73**
	-0.17	0.06	0.22	**0.82**	**0.83**	0.54	**1.01**	0.35	**0.75**
	0.05	0.14	0.19	**1.13**	**1.12**	**1.16**	**1.17**	**0.91**	**1.02**
$\mu_S(sw)$	-0.00	0.25	0.25	0.25	0.15	**0.78**	0.42	**1.00**	**0.61**
	0.00	0.07	0.15	0.12	0.05	**0.72**	0.36	**1.00**	0.57
	-0.17	0.07	0.08	0.43	0.21	**0.87**	0.35	**1.01**	0.53
	-0.53	**0.65**	**0.68**	**0.77**	**0.71**	**0.97**	**0.91**	**1.17**	**1.14**
$\sigma_S(sw)$	0.00	0.28	0.29	0.35	0.41	0.51	**0.76**	**0.61**	**1.00**
	0.00	0.06	0.18	0.20	0.28	0.48	**0.73**	0.57	**1.00**
	-0.15	0.10	0.12	0.53	0.57	0.40	**0.75**	0.53	**1.01**
	-0.37	0.58	**0.62**	**0.88**	**0.85**	**1.05**	**1.02**	**1.14**	**1.17**

TABLE S559. 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**	0.08	0.05	-0.03	0.01	-0.02	0.03	0.10	0.12
(p.)	**1.01**	0.45	0.41	-0.07	-0.09	-0.04	-0.02	0.05	0.08
(i.)	**1.01**	-0.07	-0.06	0.07	0.02	0.04	-0.01	0.06	0.05
(h.)	**1.11**	-0.31	-0.37	-0.10	-0.09	-0.43	-0.14	-0.27	-0.06
d	0.08	**1.00**	**0.98**	-0.01	0.13	0.02	0.15	0.15	0.21
	0.45	**1.01**	**0.98**	-0.04	-0.02	-0.04	-0.04	0.04	0.03
	-0.07	**1.01**	**0.92**	-0.15	0.06	0.10	0.21	0.16	0.21
	-0.31	**1.11**	**1.04**	-0.04	-0.08	0.22	0.46	0.52	**0.64**
s	0.05	**0.98**	**1.00**	-0.01	0.16	0.02	0.14	0.14	0.20
	0.41	**0.98**	**1.01**	-0.04	-0.02	-0.04	-0.04	0.05	0.04
	-0.06	**0.92**	**1.01**	-0.12	0.21	0.08	0.21	0.15	0.22
	-0.37	**1.04**	**1.11**	-0.08	-0.15	0.12	0.39	0.37	0.54
$\mu_S(p)$	-0.03	-0.01	-0.01	**1.00**	**0.61**	**0.93**	**0.63**	0.32	0.17
	-0.07	-0.04	-0.04	**1.01**	**0.75**	**0.96**	**0.72**	0.35	0.19
	0.07	-0.15	-0.12	**1.01**	0.55	0.51	0.27	0.33	0.16
	-0.10	-0.04	-0.08	**1.11**	**0.82**	0.12	0.55	-0.17	-0.06
$\sigma_S(p)$	0.01	0.13	0.16	**0.61**	**1.00**	0.52	**0.65**	0.23	0.35
	-0.09	-0.02	-0.02	**0.75**	**1.01**	**0.69**	**0.76**	0.23	0.38
	0.02	0.06	0.21	0.55	**1.01**	0.30	0.47	0.18	0.23
	-0.09	-0.08	-0.15	**0.82**	**1.11**	0.40	**0.72**	0.12	0.12
$\mu_S(kw)$	-0.02	0.02	0.02	**0.93**	0.52	**1.00**	**0.76**	0.52	0.36
	-0.04	-0.04	-0.04	**0.96**	**0.69**	**1.01**	**0.82**	0.51	0.36
	0.04	0.10	0.08	0.51	0.30	**1.01**	**0.64**	**0.89**	**0.61**
	-0.43	0.22	0.12	0.12	0.40	**1.11**	**0.84**	**1.00**	**0.73**
$\sigma_S(kw)$	0.03	0.15	0.14	**0.63**	**0.65**	**0.76**	**1.00**	0.53	**0.74**
	-0.02	-0.04	-0.04	**0.72**	**0.76**	**0.82**	**1.01**	0.48	**0.71**
	-0.01	0.21	0.21	0.27	0.47	**0.64**	**1.01**	0.59	**0.84**
	-0.14	0.46	0.39	0.55	**0.72**	**0.84**	**1.11**	**0.77**	**0.80**
$\mu_S(sw)$	0.10	0.15	0.14	0.32	0.23	0.52	0.53	**1.00**	**0.68**
	0.05	0.04	0.05	0.35	0.23	0.51	0.48	**1.01**	**0.64**
	0.06	0.16	0.15	0.33	0.18	**0.89**	0.59	**1.01**	**0.73**
	-0.27	0.52	0.37	-0.17	0.12	**1.00**	**0.77**	**1.11**	**0.92**
$\sigma_S(sw)$	0.12	0.21	0.20	0.17	0.35	0.36	**0.74**	**0.68**	**1.00**
	0.08	0.03	0.04	0.19	0.38	0.36	**0.71**	**0.64**	**1.01**
	0.05	0.21	0.22	0.16	0.23	**0.61**	**0.84**	**0.73**	**1.01**
	-0.06	**0.64**	0.54	-0.06	0.12	**0.73**	**0.80**	**0.92**	**1.11**

TABLE S560. 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	**1.01**	0.16	0.05	0.16	0.34	0.21	0.24	0.09	0.18
(p.)	**1.02**	0.51	**0.60**	0.21	0.33	0.10	0.03	-0.04	0.02
(i.)	**1.05**	-0.29	-0.10	-0.12	0.03	0.20	0.06	0.01	-0.02
(h.)	**1.20**	**-1.05**	**-0.95**	**0.86**	**0.75**	0.38	-0.12	**-0.90**	**-0.95**
d	0.16	**1.01**	**0.95**	-0.04	0.18	0.17	0.28	0.20	0.25
	0.51	**1.02**	**0.86**	0.09	0.40	0.29	0.23	0.17	0.23
	-0.29	**1.05**	0.45	0.30	0.17	-0.00	-0.01	0.14	0.26
	-1.05	**1.20**	**1.15**	**-0.92**	**-0.87**	-0.27	-0.19	**0.81**	0.59
s	0.05	**0.95**	**1.01**	-0.10	0.04	0.12	0.20	0.17	0.19
	0.60	**0.86**	**1.02**	0.02	0.26	0.25	0.23	0.19	0.22
	-0.10	0.45	**1.05**	0.02	0.01	0.18	0.26	0.27	0.32
	-0.95	**1.15**	**1.20**	**-0.94**	**-0.88**	-0.26	-0.31	**0.78**	0.46
$\mu_S(p)$	0.16	-0.04	-0.10	**1.01**	0.58	0.42	0.15	-0.01	0.20
	0.21	0.09	0.02	**1.02**	0.58	0.49	0.17	0.02	0.24
	-0.12	0.30	0.02	**1.05**	**0.75**	-0.33	-0.22	-0.35	-0.03
	0.86	**-0.92**	**-0.94**	**1.20**	**1.16**	**0.93**	**0.73**	-0.32	-0.24
$\sigma_S(p)$	0.34	0.18	0.04	0.58	**1.01**	0.40	0.48	0.17	0.36
	0.33	0.40	0.26	0.58	**1.02**	0.44	0.49	0.21	0.43
	0.03	0.17	0.01	**0.75**	**1.05**	-0.09	-0.02	-0.28	-0.13
	0.75	**-0.87**	**-0.88**	**1.16**	**1.20**	**0.96**	**0.81**	-0.26	-0.14
$\mu_S(kw)$	0.21	0.17	0.12	0.42	0.40	**1.01**	**0.69**	**0.78**	**0.68**
	0.10	0.29	0.25	0.49	0.44	**1.02**	**0.67**	**0.77**	**0.69**
	0.20	-0.00	0.18	-0.33	-0.09	**1.05**	**0.68**	**0.92**	0.55
	0.38	-0.27	-0.26	**0.93**	**0.96**	**1.20**	**0.83**	0.26	0.08
$\sigma_S(kw)$	0.24	0.28	0.20	0.15	0.48	**0.69**	**1.01**	**0.67**	**0.86**
	0.03	0.23	0.23	0.17	0.49	**0.67**	**1.02**	**0.66**	**0.87**
	0.06	-0.01	0.26	-0.22	-0.02	**0.68**	**1.05**	**0.69**	**0.71**
	-0.12	-0.19	-0.31	**0.73**	**0.81**	**0.83**	**1.20**	0.60	**0.77**
$\mu_S(sw)$	0.09	0.20	0.17	-0.01	0.17	**0.78**	**0.67**	**1.01**	**0.74**
	-0.04	0.17	0.19	0.02	0.21	**0.77**	**0.66**	**1.02**	**0.72**
	0.01	0.14	0.27	-0.35	-0.28	**0.92**	**0.69**	**1.05**	**0.80**
	-0.90	**0.81**	**0.78**	-0.32	-0.26	0.26	0.60	**1.20**	**1.04**
$\sigma_S(sw)$	0.18	0.25	0.19	0.20	0.36	**0.68**	**0.86**	**0.74**	**1.01**
	0.02	0.23	0.22	0.24	0.43	**0.69**	**0.87**	**0.72**	**1.02**
	-0.02	0.26	0.32	-0.03	-0.13	0.55	**0.71**	**0.80**	**1.05**
	-0.95	0.59	0.46	-0.24	-0.14	0.08	**0.77**	**1.04**	**1.20**

TABLE S561. 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**	0.12	0.13	0.00	0.01	0.00	0.02	-0.03	0.06
(p.)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(i.)	**1.01**	0.02	0.05	0.07	0.03	0.03	0.04	-0.07	0.08
(h.)	**1.14**	-0.27	-0.13	0.00	0.00	0.11	-0.04	0.04	-0.02
d	0.12	**1.00**	**0.97**	-0.04	-0.01	-0.04	0.00	-0.04	0.07
	0.00	1.01	1.01	-0.08	-0.09	-0.07	-0.08	-0.03	0.04
	0.02	**1.01**	**0.91**	0.02	-0.01	-0.00	-0.02	-0.08	0.02
	-0.27	**1.14**	**0.95**	0.39	0.51	0.45	0.47	0.39	0.16
s	0.13	**0.97**	**1.00**	-0.02	0.02	-0.02	0.03	-0.06	0.07
	0.00	1.01	1.01	-0.08	-0.09	-0.07	-0.08	-0.03	0.04
	0.05	**0.91**	**1.01**	0.15	0.11	0.08	0.10	-0.15	0.02
	-0.13	**0.95**	**1.14**	0.26	0.46	0.47	0.45	**0.62**	0.21
$\mu_S(p)$	0.00	-0.04	-0.02	**1.00**	**0.93**	**0.94**	**0.91**	0.39	**0.64**
	0.00	-0.08	-0.08	**1.01**	**0.95**	**0.95**	**0.95**	0.43	**0.68**
	0.07	0.02	0.15	**1.01**	**0.89**	**0.90**	**0.85**	0.24	0.51
	0.00	0.39	0.26	**1.14**	**1.08**	**0.88**	**1.08**	0.22	**0.99**
$\sigma_S(p)$	0.01	-0.01	0.02	**0.93**	**1.00**	**0.82**	**0.97**	0.26	**0.67**
	0.00	-0.09	-0.09	**0.95**	**1.01**	**0.85**	**0.98**	0.34	**0.68**
	0.03	-0.01	0.11	**0.89**	**1.01**	**0.70**	**0.98**	0.02	**0.62**
	0.00	0.51	0.46	**1.08**	**1.14**	**0.97**	**1.14**	0.50	**1.05**
$\mu_S(kw)$	0.00	-0.04	-0.02	**0.94**	**0.82**	**1.00**	**0.85**	**0.61**	**0.69**
	0.00	-0.07	-0.07	**0.95**	**0.85**	**1.01**	**0.90**	**0.63**	**0.72**
	0.03	-0.00	0.08	**0.90**	**0.70**	**1.01**	**0.72**	0.58	0.56
	0.11	0.45	0.47	**0.88**	**0.97**	**1.14**	**1.01**	**0.84**	**0.99**
$\sigma_S(kw)$	0.02	0.00	0.03	**0.91**	**0.97**	**0.85**	**1.00**	0.31	**0.76**
	0.00	-0.08	-0.08	**0.95**	**0.98**	**0.90**	**1.01**	0.41	**0.79**
	0.04	-0.02	0.10	**0.85**	**0.98**	**0.72**	**1.01**	0.05	**0.71**
	-0.04	0.47	0.45	**1.08**	**1.14**	**1.01**	**1.14**	0.54	**1.08**
$\mu_S(sw)$	-0.03	-0.04	-0.06	0.39	0.26	**0.61**	0.31	**1.00**	0.47
	0.00	-0.03	-0.03	0.43	0.34	**0.63**	0.41	**1.01**	0.52
	-0.07	-0.08	-0.15	0.24	0.02	0.58	0.05	**1.01**	0.31
	0.04	0.39	**0.62**	0.22	0.50	**0.84**	0.54	**1.14**	0.58
$\sigma_S(sw)$	0.06	0.07	0.07	**0.64**	**0.67**	**0.69**	**0.76**	0.47	**1.00**
	0.00	0.04	0.04	**0.68**	**0.68**	**0.72**	**0.79**	0.52	**1.01**
	0.08	0.02	0.02	0.51	**0.62**	0.56	**0.71**	0.31	**1.01**
	-0.02	0.16	0.21	**0.99**	**1.05**	**0.99**	**1.08**	0.58	**1.14**

TABLE S562. 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**	0.28	0.18	-0.02	0.02	-0.00	0.05	0.09	0.13
(p.)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(i.)	**1.05**	**0.74**	0.20	0.09	-0.06	-0.04	-0.18	0.08	-0.34
(h.)	**1.10**	**-0.78**	**-0.74**	-0.06	-0.11	0.15	-0.04	0.50	0.39
d	0.28	**1.00**	**0.94**	-0.02	0.01	-0.00	0.04	0.06	0.11
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.74	**1.05**	0.57	-0.04	-0.11	-0.07	-0.11	0.05	-0.03
	-0.78	**1.10**	**1.01**	-0.30	-0.24	-0.36	-0.31	-0.20	-0.38
s	0.18	**0.94**	**1.00**	-0.02	0.01	-0.00	0.03	0.04	0.08
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.20	0.57	**1.05**	-0.17	-0.11	-0.09	-0.06	0.12	0.37
	-0.74	**1.01**	**1.10**	-0.31	-0.13	-0.44	-0.29	-0.25	-0.43
$\mu_S(p)$	-0.02	-0.02	-0.02	**1.00**	0.27	**0.87**	0.22	0.09	-0.04
	0.00	0.00	0.00	**1.00**	0.27	**0.87**	0.22	0.10	-0.03
	0.09	-0.04	-0.17	**1.05**	**0.91**	**0.82**	**0.82**	-0.18	0.06
	-0.06	-0.30	-0.31	**1.10**	**0.87**	**0.93**	**0.95**	-0.00	0.48
$\sigma_S(p)$	0.02	0.01	0.01	0.27	**1.00**	0.25	**0.90**	0.06	0.21
	0.00	0.00	0.00	0.27	**1.00**	0.25	**0.90**	0.06	0.20
	-0.06	-0.11	-0.11	**0.91**	**1.05**	**0.82**	**0.99**	-0.12	0.29
	-0.11	-0.24	-0.13	**0.87**	**1.10**	0.57	**1.00**	-0.06	0.33
$\mu_S(kw)$	-0.00	-0.00	-0.00	**0.87**	0.25	**1.00**	0.30	0.18	0.03
	0.00	0.00	0.00	**0.87**	0.25	**1.00**	0.30	0.18	0.02
	-0.04	-0.07	-0.09	**0.82**	**0.82**	**1.05**	**0.85**	0.31	0.40
	0.15	-0.36	-0.44	**0.93**	0.57	**1.10**	**0.81**	0.48	**0.82**
$\sigma_S(kw)$	0.05	0.04	0.03	0.22	**0.90**	0.30	**1.00**	0.15	0.35
	0.00	0.00	0.00	0.22	**0.90**	0.30	**1.00**	0.14	0.33
	-0.18	-0.11	-0.06	**0.82**	**0.99**	**0.85**	**1.05**	-0.02	0.48
	-0.04	-0.31	-0.29	**0.95**	**1.00**	**0.81**	**1.10**	0.15	0.60
$\mu_S(sw)$	0.09	0.06	0.04	0.09	0.06	0.18	0.15	**1.00**	0.51
	0.00	0.00	0.00	0.10	0.06	0.18	0.14	**1.00**	0.50
	0.08	0.05	0.12	-0.18	-0.12	0.31	-0.02	**1.05**	0.50
	0.50	-0.20	-0.25	-0.00	-0.06	0.48	0.15	**1.10**	**0.94**
$\sigma_S(sw)$	0.13	0.11	0.08	-0.04	0.21	0.03	0.35	0.51	**1.00**
	0.00	0.00	0.00	-0.03	0.20	0.02	0.33	0.50	**1.00**
	-0.34	-0.03	0.37	0.06	0.29	0.40	0.48	0.50	**1.05**
	0.39	-0.38	-0.43	0.48	0.33	**0.82**	0.60	**0.94**	**1.10**

TABLE S563. 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**	0.18	0.18	-0.03	-0.02	-0.02	0.01	0.02	0.09
(p.)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(i.)	**1.01**	0.21	0.23	-0.04	-0.01	-0.02	0.02	-0.00	0.12
(h.)	**1.12**	-0.26	-0.22	-0.50	-0.39	-0.33	-0.37	-0.36	-0.43
d	0.18	**1.00**	**1.00**	-0.03	0.02	-0.01	0.09	0.16	0.27
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.21	**1.01**	**0.98**	0.08	0.23	0.07	0.19	0.10	0.30
	-0.26	**1.12**	**1.11**	0.32	0.13	-0.05	-0.02	-0.11	-0.02
s	0.18	**1.00**	**1.00**	-0.03	0.02	-0.01	0.09	0.15	0.26
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.23	**0.98**	**1.01**	0.08	0.23	0.07	0.20	0.09	0.30
	-0.22	**1.11**	**1.12**	0.29	0.08	-0.06	-0.04	-0.13	-0.04
$\mu_S(p)$	-0.03	-0.03	-0.03	**1.00**	0.44	**0.97**	0.41	0.33	0.02
	0.00	0.00	0.00	**1.01**	0.40	**0.99**	0.39	0.46	-0.02
	-0.04	0.08	0.08	**1.01**	**0.88**	**0.86**	**0.86**	0.23	0.25
	-0.50	0.32	0.29	**1.13**	**1.04**	**1.00**	**0.99**	**1.00**	**1.00**
$\sigma_S(p)$	-0.02	0.02	0.02	0.44	**1.00**	0.41	**0.91**	0.08	0.27
	0.00	0.00	0.00	0.40	**1.01**	0.36	**0.96**	0.03	0.23
	-0.01	0.23	0.23	**0.88**	**1.01**	**0.74**	**0.91**	0.17	0.46
	-0.39	0.13	0.08	**1.04**	**1.12**	**0.89**	**0.88**	**0.90**	**0.88**
$\mu_S(kw)$	-0.02	-0.01	-0.01	**0.97**	0.41	**1.00**	0.44	0.48	0.12
	0.00	0.00	0.00	**0.99**	0.36	**1.01**	0.37	0.55	0.03
	-0.02	0.07	0.07	**0.86**	**0.74**	**1.01**	**0.85**	0.59	0.39
	-0.33	-0.05	-0.06	**1.00**	**0.89**	**1.12**	**1.11**	**1.12**	**1.11**
$\sigma_S(kw)$	0.01	0.09	0.09	0.41	**0.91**	0.44	**1.00**	0.24	0.51
	0.00	0.00	0.00	0.39	**0.96**	0.37	**1.01**	0.13	0.41
	0.02	0.19	0.20	**0.86**	**0.91**	**0.85**	**1.01**	0.29	0.57
	-0.37	-0.02	-0.04	**0.99**	**0.88**	**1.11**	**1.12**	**1.10**	**1.12**
$\mu_S(sw)$	0.02	0.16	0.15	0.33	0.08	0.48	0.24	**1.00**	0.58
	0.00	0.00	0.00	0.46	0.03	0.55	0.13	**1.01**	0.58
	-0.00	0.10	0.09	0.23	0.17	0.59	0.29	**1.01**	0.48
	-0.36	-0.11	-0.13	**1.00**	**0.90**	**1.12**	**1.10**	**1.12**	**1.10**
$\sigma_S(sw)$	0.09	0.27	0.26	0.02	0.27	0.12	0.51	0.58	**1.00**
	0.00	0.00	0.00	-0.02	0.23	0.03	0.41	0.58	**1.01**
	0.12	0.30	0.30	0.25	0.46	0.39	0.57	0.48	**1.01**
	-0.43	-0.02	-0.04	**1.00**	**0.88**	**1.11**	**1.12**	**1.10**	**1.12**

TABLE S564. 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**	0.20	0.18	-0.08	-0.04	-0.08	-0.05	-0.01	0.04
(p.)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(i.)	**1.01**	0.36	0.34	-0.02	0.00	-0.04	-0.02	-0.05	0.05
(h.)	**1.07**	-0.32	-0.07	-0.39	-0.40	0.17	-0.20	0.38	-0.03
d	0.20	**1.00**	**0.93**	-0.10	-0.05	-0.10	-0.05	0.01	0.06
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.36	**1.01**	**0.76**	-0.10	-0.07	-0.10	-0.09	0.07	0.09
	-0.32	**1.07**	**0.93**	0.06	0.54	0.44	0.45	0.37	0.18
s	0.18	**0.93**	**1.00**	-0.08	-0.03	-0.07	-0.04	0.02	0.06
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.34	**0.76**	**1.01**	-0.03	0.01	-0.03	-0.02	0.11	0.10
	-0.07	**0.93**	**1.07**	-0.09	0.40	0.43	0.32	0.53	0.26
$\mu_S(p)$	-0.08	-0.10	-0.08	**1.00**	0.43	**0.85**	0.38	0.32	-0.06
	0.00	0.00	0.00	**1.01**	0.36	**0.84**	0.30	0.36	-0.10
	-0.02	-0.10	-0.03	**1.01**	**0.99**	**1.00**	**0.97**	0.09	0.19
	-0.39	0.06	-0.09	**1.07**	**0.78**	0.34	0.55	-0.03	0.45
$\sigma_S(p)$	-0.04	-0.05	-0.03	0.43	**1.00**	0.54	**0.98**	-0.04	0.16
	0.00	0.00	0.00	0.36	**1.01**	0.47	**0.99**	-0.07	0.15
	0.00	-0.07	0.01	**0.99**	**1.01**	**0.97**	**0.99**	0.08	0.22
	-0.40	0.54	0.40	**0.78**	**1.07**	**0.61**	**0.91**	0.29	**0.68**
$\mu_S(kw)$	-0.08	-0.10	-0.07	**0.85**	0.54	**1.00**	0.51	0.43	0.04
	0.00	0.00	0.00	**0.84**	0.47	**1.01**	0.45	0.47	0.00
	-0.04	-0.10	-0.03	**1.00**	**0.97**	**1.01**	**0.98**	0.20	0.27
	0.17	0.44	0.43	0.34	**0.61**	**1.07**	**0.77**	**0.92**	**0.65**
$\sigma_S(kw)$	-0.05	-0.05	-0.04	0.38	**0.98**	0.51	**1.00**	-0.03	0.22
	0.00	0.00	0.00	0.30	**0.99**	0.45	**1.01**	-0.05	0.20
	-0.02	-0.09	-0.02	**0.97**	**0.99**	**0.98**	**1.01**	0.11	0.35
	-0.20	0.45	0.32	0.55	**0.91**	**0.77**	**1.07**	0.48	**0.77**
$\mu_S(sw)$	-0.01	0.01	0.02	0.32	-0.04	0.43	-0.03	**1.00**	0.38
	0.00	0.00	0.00	0.36	-0.07	0.47	-0.05	**1.01**	0.37
	-0.05	0.07	0.11	0.09	0.08	0.20	0.11	**1.01**	0.45
	0.38	0.37	0.53	-0.03	0.29	**0.92**	0.48	**1.07**	**0.67**
$\sigma_S(sw)$	0.04	0.06	0.06	-0.06	0.16	0.04	0.22	0.38	**1.00**
	0.00	0.00	0.00	-0.10	0.15	0.00	0.20	0.37	**1.01**
	0.05	0.09	0.10	0.19	0.22	0.27	0.35	0.45	**1.01**
	-0.03	0.18	0.26	0.45	**0.68**	**0.65**	**0.77**	**0.67**	**1.07**

TABLE S565. 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	**1.01**	-0.05	-0.07	-0.11	-0.06	-0.07	-0.08	-0.02	-0.08
(p.)	**1.02**	0.42	0.18	-0.16	-0.17	-0.11	-0.15	-0.06	-0.08
(i.)	**1.02**	-0.44	-0.35	-0.16	-0.12	-0.15	-0.19	-0.06	-0.43
(h.)	**1.06**	-0.59	-0.48	0.14	0.17	-0.24	0.08	-0.37	-0.23
d	-0.05	**1.01**	**0.95**	0.09	0.20	0.18	0.24	0.25	0.39
	0.42	**1.02**	**0.81**	-0.07	0.03	-0.04	0.03	0.03	0.10
	-0.44	**1.02**	**0.86**	0.18	0.18	0.11	0.16	-0.06	0.34
	-0.59	**1.06**	**0.94**	-0.05	-0.03	0.09	0.02	0.13	0.13
s	-0.07	**0.95**	**1.01**	0.08	0.19	0.15	0.23	0.21	0.33
	0.18	**0.81**	**1.02**	-0.03	0.06	-0.00	0.08	0.06	0.15
	-0.35	**0.86**	**1.02**	0.21	0.22	0.24	0.24	0.09	0.44
	-0.48	**0.94**	**1.06**	-0.04	-0.01	-0.02	0.02	-0.03	-0.03
$\mu_S(p)$	-0.11	0.09	0.08	**1.01**	**0.88**	**0.83**	**0.89**	0.15	0.34
	-0.16	-0.07	-0.03	**1.02**	**0.95**	**0.89**	**0.92**	0.24	0.42
	-0.16	0.18	0.21	**1.02**	**0.99**	**0.85**	**0.94**	0.00	0.27
	0.14	-0.05	-0.04	**1.06**	**0.98**	**0.62**	**1.01**	-0.05	0.24
$\sigma_S(p)$	-0.06	0.20	0.19	**0.88**	**1.01**	**0.63**	**0.93**	0.05	0.30
	-0.17	0.03	0.06	**0.95**	**1.02**	**0.77**	**0.96**	0.15	0.46
	-0.12	0.18	0.22	**0.99**	**1.02**	**0.78**	**0.92**	-0.06	0.20
	0.17	-0.03	-0.01	**0.98**	**1.06**	0.35	**1.03**	-0.28	0.00
$\mu_S(kw)$	-0.07	0.18	0.15	**0.83**	**0.63**	**1.01**	**0.77**	**0.60**	0.56
	-0.11	-0.04	-0.00	**0.89**	**0.77**	**1.02**	**0.81**	0.58	0.46
	-0.15	0.11	0.24	**0.85**	**0.78**	**1.02**	**0.89**	0.51	0.58
	-0.24	0.09	-0.02	**0.62**	0.35	**1.06**	0.51	**0.78**	**0.84**
$\sigma_S(kw)$	-0.08	0.24	0.23	**0.89**	**0.93**	**0.77**	**1.01**	0.20	0.52
	-0.15	0.03	0.08	**0.92**	**0.96**	**0.81**	**1.02**	0.20	**0.60**
	-0.19	0.16	0.24	**0.94**	**0.92**	**0.89**	**1.02**	0.11	0.46
	0.08	0.02	0.02	**1.01**	**1.03**	0.51	**1.06**	-0.14	0.15
$\mu_S(sw)$	-0.02	0.25	0.21	0.15	0.05	**0.60**	0.20	**1.01**	**0.63**
	-0.06	0.03	0.06	0.24	0.15	0.58	0.20	**1.02**	0.43
	-0.06	-0.06	0.09	0.00	-0.06	0.51	0.11	**1.02**	**0.63**
	-0.37	0.13	-0.03	-0.05	-0.28	**0.78**	-0.14	**1.06**	**0.91**
$\sigma_S(sw)$	-0.08	0.39	0.33	0.34	0.30	0.56	0.52	**0.63**	**1.01**
	-0.08	0.10	0.15	0.42	0.46	0.46	**0.60**	0.43	**1.02**
	-0.43	0.34	0.44	0.27	0.20	0.58	0.46	**0.63**	**1.02**
	-0.23	0.13	-0.03	0.24	0.00	**0.84**	0.15	**0.91**	**1.06**

TABLE S566. Pierson correlation coefficient for the topological and textual measures. TAG: 17

	cc	d	s	$\mu_S(p)$	$\sigma_S(p)$	$\mu_S(kw)$	$\sigma_S(kw)$	$\mu_S(sw)$	$\sigma_S(sw)$
cc	**1.01**	0.15	0.05	-0.24	-0.04	-0.19	-0.03	0.18	0.26
(p.)	**1.01**	0.47	0.35	-0.15	-0.07	-0.08	-0.02	0.36	0.19
(i.)	**1.04**	-0.24	-0.19	0.05	0.06	-0.01	-0.01	-0.13	-0.15
(h.)	**1.17**	**-0.85**	**-0.67**	**-0.78**	**-0.73**	**-0.85**	**-0.87**	**-0.84**	**-0.92**
d	0.15	**1.01**	**0.96**	-0.18	-0.01	-0.16	-0.01	-0.01	0.21
	0.47	**1.01**	**0.93**	-0.45	-0.19	-0.38	-0.12	0.07	0.28
	-0.24	**1.04**	**0.90**	0.15	0.19	0.07	0.20	-0.03	0.09
	-0.85	**1.17**	**1.11**	0.45	0.57	0.27	0.47	0.28	0.47
s	0.05	**0.96**	**1.01**	-0.12	-0.01	-0.11	-0.01	-0.02	0.14
	0.35	**0.93**	**1.01**	-0.40	-0.16	-0.34	-0.11	0.05	0.24
	-0.19	**0.90**	**1.04**	-0.01	0.05	-0.08	0.10	-0.16	0.01
	-0.67	**1.11**	**1.17**	0.18	0.30	0.04	0.19	0.09	0.22
$\mu_S(p)$	-0.24	-0.18	-0.12	**1.01**	0.50	**0.99**	0.47	0.50	-0.14
	-0.15	-0.45	-0.40	**1.01**	0.52	**0.99**	0.49	0.53	-0.08
	0.05	0.15	-0.01	**1.04**	**1.02**	**0.72**	**0.69**	-0.04	-0.08
	-0.78	0.45	0.18	**1.17**	**1.12**	**0.97**	**1.14**	**0.89**	**1.13**
$\sigma_S(p)$	-0.04	-0.01	-0.01	0.50	**1.01**	0.45	**0.98**	0.16	0.26
	-0.07	-0.19	-0.16	0.52	**1.01**	0.47	**1.00**	0.18	0.32
	0.06	0.19	0.05	**1.02**	**1.04**	**0.71**	**0.78**	-0.11	-0.07
	-0.73	0.57	0.30	**1.12**	**1.17**	**0.81**	**1.06**	**0.72**	**1.02**
$\mu_S(kw)$	-0.19	-0.16	-0.11	**0.99**	0.45	**1.01**	0.44	**0.62**	-0.08
	-0.08	-0.38	-0.34	**0.99**	0.47	**1.01**	0.45	**0.65**	-0.02
	-0.01	0.07	-0.08	**0.72**	**0.71**	**1.04**	**0.76**	0.58	0.28
	-0.85	0.27	0.04	**0.97**	**0.81**	**1.17**	**1.06**	**1.15**	**1.08**
$\sigma_S(kw)$	-0.03	-0.01	-0.01	0.47	**0.98**	0.44	**1.01**	0.22	0.40
	-0.02	-0.12	-0.11	0.49	**1.00**	0.45	**1.01**	0.22	0.44
	-0.01	0.20	0.10	**0.69**	**0.78**	**0.76**	**1.04**	0.16	0.45
	-0.87	0.47	0.19	**1.14**	**1.06**	**1.06**	**1.17**	**1.00**	**1.15**
$\mu_S(sw)$	0.18	-0.01	-0.02	0.50	0.16	**0.62**	0.22	**1.01**	0.34
	0.36	0.07	0.05	0.53	0.18	**0.65**	0.22	**1.01**	0.35
	-0.13	-0.03	-0.16	-0.04	-0.11	0.58	0.16	**1.04**	0.53
	-0.84	0.28	0.09	**0.89**	**0.72**	**1.15**	**1.00**	**1.17**	**1.03**
$\sigma_S(sw)$	0.26	0.21	0.14	-0.14	0.26	-0.08	0.40	0.34	**1.01**
	0.19	0.28	0.24	-0.08	0.32	-0.02	0.44	0.35	**1.01**
	-0.15	0.09	0.01	-0.08	-0.07	0.28	0.45	0.53	**1.04**
	-0.92	0.47	0.22	**1.13**	**1.02**	**1.08**	**1.15**	**1.03**	**1.17**

TABLE S567. Pierson correlation coefficient for the topological and textual measures. TAG: 18

	cc	d	s	$\mu_S(p)$	$\sigma_S(p)$	$\mu_S(kw)$	$\sigma_S(kw)$	$\mu_S(sw)$	$\sigma_S(sw)$
cc	**1.01**	0.13	0.08	-0.17	-0.13	-0.11	-0.08	0.15	0.08
(p.)	**1.02**	0.30	0.21	-0.08	-0.07	-0.06	-0.06	0.04	0.01
(i.)	**1.02**	-0.31	-0.17	-0.30	-0.29	-0.32	-0.32	0.06	-0.08
(h.)	**1.08**	-0.35	-0.25	-0.38	-0.41	-0.42	-0.37	-0.45	-0.43
d	0.13	**1.01**	**0.97**	-0.15	-0.10	-0.10	0.00	0.12	0.20
	0.30	**1.02**	**0.90**	-0.32	-0.30	-0.25	-0.30	0.10	-0.18
	-0.31	**1.02**	**0.95**	0.01	0.13	-0.07	0.22	-0.08	0.03
	-0.35	**1.08**	**0.78**	-0.42	-0.38	-0.40	-0.45	-0.29	-0.42
s	0.08	**0.97**	**1.01**	-0.12	-0.08	-0.08	-0.00	0.10	0.18
	0.21	**0.90**	**1.02**	-0.24	-0.27	-0.20	-0.27	0.05	-0.15
	-0.17	**0.95**	**1.02**	0.01	0.21	-0.10	0.23	-0.09	0.07
	-0.25	**0.78**	**1.08**	-0.52	-0.44	-0.28	-0.48	-0.14	-0.38
$\mu_S(p)$	-0.17	-0.15	-0.12	**1.01**	**0.93**	**0.77**	**0.80**	0.24	0.42
	-0.08	-0.32	-0.24	**1.02**	**0.95**	**0.79**	**0.85**	0.39	**0.70**
	-0.30	0.01	0.01	**1.02**	**0.82**	**0.62**	0.52	-0.13	-0.07
	-0.38	-0.42	-0.52	**1.08**	**1.04**	**0.98**	**1.03**	**0.91**	**0.99**
$\sigma_S(p)$	-0.13	-0.10	-0.08	**0.93**	**1.01**	0.58	**0.74**	0.29	0.54
	-0.07	-0.30	-0.27	**0.95**	**1.02**	0.59	**0.77**	0.42	**0.82**
	-0.29	0.13	0.21	**0.82**	**1.02**	0.49	**0.73**	-0.16	0.08
	-0.41	-0.38	-0.44	**1.04**	**1.08**	**0.92**	**0.98**	**0.83**	**0.90**
$\mu_S(kw)$	-0.11	-0.10	-0.08	**0.77**	0.58	**1.01**	**0.88**	0.42	0.37
	-0.06	-0.25	-0.20	**0.79**	0.59	**1.02**	**0.90**	0.46	0.43
	-0.32	-0.07	-0.10	**0.62**	0.49	**1.02**	**0.70**	0.53	0.44
	-0.42	-0.40	-0.28	**0.98**	**0.92**	**1.08**	**1.02**	**1.06**	**1.06**
$\sigma_S(kw)$	-0.08	0.00	-0.00	**0.80**	**0.74**	**0.88**	**1.01**	0.37	**0.61**
	-0.06	-0.30	-0.27	**0.85**	**0.77**	**0.90**	**1.02**	0.40	**0.69**
	-0.32	0.22	0.23	0.52	**0.73**	**0.70**	**1.02**	0.27	0.59
	-0.37	-0.45	-0.48	**1.03**	**0.98**	**1.02**	**1.08**	**0.97**	**1.04**
$\mu_S(sw)$	0.15	0.12	0.10	0.24	0.29	0.42	0.37	**1.01**	**0.67**
	0.04	0.10	0.05	0.39	0.42	0.46	0.40	**1.02**	0.57
	0.06	-0.08	-0.09	-0.13	-0.16	0.53	0.27	**1.02**	**0.67**
	-0.45	-0.29	-0.14	**0.91**	**0.83**	**1.06**	**0.97**	**1.08**	**1.03**
$\sigma_S(sw)$	0.08	0.20	0.18	0.42	0.54	0.37	**0.61**	**0.67**	**1.01**
	0.01	-0.18	-0.15	**0.70**	**0.82**	0.43	**0.69**	0.57	**1.02**
	-0.08	0.03	0.07	-0.07	0.08	0.44	0.59	**0.67**	**1.02**
	-0.43	-0.42	-0.38	**0.99**	**0.90**	**1.06**	**1.04**	**1.03**	**1.08**

TABLE S568. Pierson correlation coefficient for the topological and textual measures. TAG: 19

2. 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	**1.01**	0.05	0.01	-0.03	-0.04	-0.04	-0.01	-0.03	0.00
(p.)	**1.01**	0.51	0.53	0.02	-0.04	-0.07	0.00	-0.11	-0.05
(i.)	**1.02**	-0.28	-0.20	-0.22	-0.22	-0.23	-0.22	-0.16	-0.21
(h.)	**1.11**	-0.50	-0.06	0.35	0.48	-0.31	0.12	-0.40	-0.28
d	0.05	**1.01**	**0.93**	-0.02	-0.01	0.09	0.04	0.18	0.12
	0.51	**1.01**	**0.85**	0.06	0.00	0.03	0.12	0.07	0.07
	-0.28	**1.02**	**0.93**	-0.16	-0.16	-0.02	-0.11	0.11	-0.08
	-0.50	**1.11**	**0.96**	0.07	-0.15	0.43	0.17	0.37	0.29
s	0.01	**0.93**	**1.01**	-0.01	-0.02	0.09	0.03	0.15	0.10
	0.53	**0.85**	**1.01**	0.02	0.02	-0.01	0.11	0.01	0.05
	-0.20	**0.93**	**1.02**	-0.17	-0.17	-0.04	-0.13	0.04	-0.10
	-0.06	**0.96**	**1.11**	0.45	0.16	**0.62**	0.43	0.50	0.50
$\mu_S(p)$	-0.03	-0.02	-0.01	**1.01**	**0.91**	**0.68**	**0.80**	0.34	**0.68**
	0.02	0.06	0.02	**1.01**	**0.66**	0.50	0.24	0.30	0.16
	-0.22	-0.16	-0.17	**1.02**	**0.97**	**0.84**	**0.89**	0.43	**0.81**
	0.35	0.07	0.45	**1.11**	**0.83**	0.60	**0.65**	0.46	**0.65**
$\sigma_S(p)$	-0.04	-0.01	-0.02	**0.91**	**1.01**	0.60	**0.95**	0.26	**0.80**
	-0.04	0.00	0.02	**0.66**	**1.01**	0.19	0.47	0.06	0.23
	-0.22	-0.16	-0.17	**0.97**	**1.02**	**0.83**	**0.98**	0.41	**0.90**
	0.48	-0.15	0.16	**0.83**	**1.11**	0.14	**0.85**	-0.10	0.20
$\mu_S(kw)$	-0.04	0.09	0.09	**0.68**	0.60	**1.01**	**0.67**	**0.85**	**0.73**
	-0.07	0.03	-0.01	0.50	0.19	**1.01**	0.43	**0.88**	0.42
	-0.23	-0.02	-0.04	**0.84**	**0.83**	**1.02**	**0.88**	**0.84**	**0.94**
	-0.31	0.43	**0.62**	0.60	0.14	**1.11**	**0.61**	**1.07**	**1.09**
$\sigma_S(kw)$	-0.01	0.04	0.03	**0.80**	**0.95**	**0.67**	**1.01**	0.39	**0.93**
	0.00	0.12	0.11	0.24	0.47	0.43	**1.01**	0.45	**0.85**
	-0.22	-0.11	-0.13	**0.89**	**0.98**	**0.88**	**1.02**	0.52	**0.98**
	0.12	0.17	0.43	**0.65**	**0.85**	**0.61**	**1.11**	0.36	**0.62**
$\mu_S(sw)$	-0.03	0.18	0.15	0.34	0.26	**0.85**	0.39	**1.01**	**0.61**
	-0.11	0.07	0.01	0.30	0.06	**0.88**	0.45	**1.01**	**0.63**
	-0.16	0.11	0.04	0.43	0.41	**0.84**	0.52	**1.02**	**0.69**
	-0.40	0.37	0.50	0.46	-0.10	**1.07**	0.36	**1.11**	**1.06**
$\sigma_S(sw)$	0.00	0.12	0.10	**0.68**	**0.80**	**0.73**	**0.93**	**0.61**	**1.01**
	-0.05	0.07	0.05	0.16	0.23	0.42	**0.85**	**0.63**	**1.01**
	-0.21	-0.08	-0.10	**0.81**	**0.90**	**0.94**	**0.98**	**0.69**	**1.02**
	-0.28	0.29	0.50	**0.65**	0.20	**1.09**	**0.62**	**1.06**	**1.11**

TABLE S569. 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**	0.13	0.11	-0.05	0.01	-0.05	-0.01	-0.05	-0.05
(p.)	**1.01**	0.31	0.30	-0.13	-0.12	-0.15	-0.13	-0.15	-0.12
(i.)	**1.01**	-0.09	-0.04	-0.05	-0.04	-0.06	-0.07	-0.10	-0.09
(h.)	**1.05**	-0.50	-0.37	0.48	**0.63**	0.24	0.53	-0.19	-0.24
d	0.13	**1.00**	**0.98**	0.05	0.18	0.02	0.13	0.08	0.11
	0.31	**1.01**	**0.97**	-0.01	0.03	-0.02	0.08	-0.04	-0.02
	-0.09	**1.01**	**0.96**	-0.03	0.10	-0.07	0.05	-0.06	0.04
	-0.50	**1.05**	**1.00**	-0.25	-0.23	-0.43	-0.39	-0.21	0.08
s	0.11	**0.98**	**1.00**	0.04	0.17	-0.00	0.11	0.06	0.09
	0.30	**0.97**	**1.01**	-0.02	0.02	-0.01	0.07	-0.04	-0.02
	-0.04	**0.96**	**1.01**	-0.04	0.12	-0.09	0.03	-0.08	0.01
	-0.37	**1.00**	**1.05**	-0.24	-0.19	-0.44	-0.31	-0.24	0.10
$\mu_S(p)$	-0.05	0.05	0.04	**1.00**	**0.72**	**0.78**	**0.69**	**0.64**	0.50
	-0.13	-0.01	-0.02	**1.01**	**0.66**	0.50	0.37	0.28	0.19
	-0.05	-0.03	-0.04	**1.01**	**0.84**	**0.95**	**0.88**	**0.89**	**0.80**
	0.48	-0.25	-0.24	**1.05**	**0.70**	**0.70**	**0.73**	0.19	0.15
$\sigma_S(p)$	0.01	0.18	0.17	**0.72**	**1.00**	0.56	**0.74**	0.49	0.48
	-0.12	0.03	0.02	**0.66**	**1.01**	0.38	**0.64**	0.39	0.43
	-0.04	0.10	0.12	**0.84**	**1.01**	**0.72**	**0.80**	**0.64**	**0.65**
	0.63	-0.23	-0.19	**0.70**	**1.05**	0.34	**0.85**	-0.20	-0.16
$\mu_S(kw)$	-0.05	0.02	-0.00	**0.78**	0.56	**1.00**	**0.82**	**0.80**	0.58
	-0.15	-0.02	-0.01	0.50	0.38	**1.01**	**0.62**	0.56	0.27
	-0.06	-0.07	-0.09	**0.95**	**0.72**	**1.01**	**0.93**	**0.93**	**0.83**
	0.24	-0.43	-0.44	**0.70**	0.34	**1.05**	**0.68**	**0.61**	0.37
$\sigma_S(kw)$	-0.01	0.13	0.11	**0.69**	**0.74**	**0.82**	**1.00**	**0.73**	**0.71**
	-0.13	0.08	0.07	0.37	**0.64**	**0.62**	**1.01**	0.57	**0.62**
	-0.07	0.05	0.03	**0.88**	**0.80**	**0.93**	**1.01**	**0.82**	**0.83**
	0.53	-0.39	-0.31	**0.73**	**0.85**	**0.68**	**1.05**	0.07	0.09
$\mu_S(sw)$	-0.05	0.08	0.06	**0.64**	0.49	**0.80**	**0.73**	**1.00**	**0.85**
	-0.15	-0.04	-0.04	0.28	0.39	0.56	0.57	**1.01**	**0.82**
	-0.10	-0.06	-0.08	**0.89**	**0.64**	**0.93**	**0.82**	**1.01**	**0.91**
	-0.19	-0.21	-0.24	0.19	-0.20	**0.61**	0.07	**1.05**	**0.89**
$\sigma_S(sw)$	-0.05	0.11	0.09	0.50	0.48	0.58	**0.71**	**0.85**	**1.00**
	-0.12	-0.02	-0.02	0.19	0.43	0.27	**0.62**	**0.82**	**1.01**
	-0.09	0.04	0.01	**0.80**	**0.65**	**0.83**	**0.83**	**0.91**	**1.01**
	-0.24	0.08	0.10	0.15	-0.16	0.37	0.09	**0.89**	**1.05**

TABLE S570. 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	**1.01**	-0.04	-0.06	-0.09	-0.04	-0.06	0.03	-0.01	0.14
(p.)	**1.01**	**0.76**	0.50	-0.11	0.01	-0.08	0.07	-0.03	0.15
(i.)	**1.02**	**-0.60**	-0.39	-0.12	-0.36	-0.01	-0.20	-0.02	0.01
(h.)	**1.20**	**-1.09**	**-1.10**	0.36	0.41	0.48	0.07	0.36	-0.32
d	-0.04	**1.01**	**1.00**	-0.01	0.08	-0.01	0.10	-0.01	0.09
	0.76	**1.01**	**0.65**	-0.16	0.05	-0.12	0.13	-0.01	0.25
	-0.60	**1.02**	**0.70**	0.14	0.46	0.02	0.27	-0.00	-0.06
	-1.09	**1.20**	**1.20**	-0.44	-0.49	-0.26	-0.24	-0.02	0.20
s	-0.06	**1.00**	**1.01**	-0.01	0.06	-0.01	0.08	-0.01	0.08
	0.50	**0.65**	**1.01**	-0.10	0.07	-0.08	0.12	-0.01	0.23
	-0.39	**0.70**	**1.02**	0.18	0.46	0.07	0.26	0.02	0.01
	-1.10	**1.20**	**1.20**	-0.45	-0.50	-0.28	-0.25	-0.03	0.20
$\mu_S(p)$	-0.09	-0.01	-0.01	**1.01**	**0.65**	**0.80**	**0.67**	0.42	0.46
	-0.11	-0.16	-0.10	**1.01**	**0.63**	**0.74**	0.54	0.26	0.25
	-0.12	0.14	0.18	**1.02**	**0.78**	**0.95**	**0.95**	**0.84**	**0.84**
	0.36	-0.44	-0.45	**1.20**	**1.12**	**0.80**	**0.96**	-0.34	0.51
$\sigma_S(p)$	-0.04	0.08	0.06	**0.65**	**1.01**	0.36	**0.89**	0.19	0.42
	0.01	0.05	0.07	**0.63**	**1.01**	0.28	**0.86**	0.08	0.37
	-0.36	0.46	0.46	**0.78**	**1.02**	0.56	**0.89**	0.42	0.42
	0.41	-0.49	-0.50	**1.12**	**1.20**	**0.76**	**1.11**	-0.35	**0.71**
$\mu_S(kw)$	-0.06	-0.01	-0.01	**0.80**	0.36	**1.01**	0.51	**0.81**	0.53
	-0.08	-0.12	-0.08	**0.74**	0.28	**1.01**	0.36	**0.76**	0.30
	-0.01	0.02	0.07	**0.95**	0.56	**1.02**	**0.84**	**0.97**	**0.95**
	0.48	-0.26	-0.28	**0.80**	**0.76**	**1.20**	0.58	**0.61**	0.56
$\sigma_S(kw)$	0.03	0.10	0.08	**0.67**	**0.89**	0.51	**1.01**	0.39	**0.72**
	0.07	0.13	0.12	0.54	**0.86**	0.36	**1.01**	0.28	**0.71**
	-0.20	0.27	0.26	**0.95**	**0.89**	**0.84**	**1.02**	**0.72**	**0.75**
	0.07	-0.24	-0.25	**0.96**	**1.11**	0.58	**1.20**	-0.45	**0.97**
$\mu_S(sw)$	-0.01	-0.01	-0.01	0.42	0.19	**0.81**	0.39	**1.01**	**0.61**
	-0.03	-0.01	-0.01	0.26	0.08	**0.76**	0.28	**1.01**	0.46
	-0.02	-0.00	0.02	**0.84**	0.42	**0.97**	**0.72**	**1.02**	**0.97**
	0.36	-0.02	-0.03	-0.34	-0.35	**0.61**	-0.45	**1.20**	-0.04
$\sigma_S(sw)$	0.14	0.09	0.08	0.46	0.42	0.53	**0.72**	**0.61**	**1.01**
	0.15	0.25	0.23	0.25	0.37	0.30	**0.71**	0.46	**1.01**
	0.01	-0.06	0.01	**0.84**	0.42	**0.95**	**0.75**	**0.97**	**1.02**
	-0.32	0.20	0.20	0.51	**0.71**	0.56	**0.97**	-0.04	**1.20**

TABLE S571. 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	**1.01**	0.06	0.03	-0.01	0.08	-0.10	0.07	-0.14	-0.09
(p.)	**1.01**	0.39	0.26	-0.01	0.05	-0.12	-0.00	-0.15	-0.14
(i.)	**1.01**	-0.03	-0.06	-0.10	0.05	-0.12	0.08	-0.16	-0.10
(h.)	**1.06**	-0.38	-0.21	0.03	-0.25	-0.19	-0.21	-0.06	-0.09
d	0.06	**1.00**	**0.97**	0.08	0.31	0.07	0.23	0.04	0.18
	0.39	**1.01**	**0.83**	0.11	0.19	-0.12	0.11	-0.28	-0.16
	-0.03	**1.01**	**0.91**	-0.09	0.19	-0.02	0.04	0.14	0.18
	-0.38	**1.06**	**0.98**	-0.22	0.06	-0.15	0.06	0.30	0.18
s	0.03	**0.97**	**1.00**	0.06	0.29	0.06	0.21	0.07	0.20
	0.26	**0.83**	**1.01**	0.11	0.19	-0.08	0.14	-0.17	-0.03
	-0.06	**0.91**	**1.01**	-0.07	0.18	0.01	0.06	0.24	0.31
	-0.21	**0.98**	**1.06**	-0.18	0.16	-0.18	0.10	0.39	0.28
$\mu_S(p)$	-0.01	0.08	0.06	**1.01**	0.55	**0.74**	0.40	0.18	0.04
	-0.01	0.11	0.11	**1.01**	0.53	0.58	0.26	0.08	-0.03
	-0.10	-0.09	-0.07	**1.01**	0.55	**0.87**	0.44	0.41	0.03
	0.03	-0.22	-0.18	**1.06**	**0.69**	0.40	0.22	-0.07	-0.08
$\sigma_S(p)$	0.08	0.31	0.29	0.55	**1.00**	0.38	**0.72**	0.09	0.26
	0.05	0.19	0.19	0.53	**1.01**	0.19	**0.68**	0.00	0.23
	0.05	0.19	0.18	0.55	**1.01**	0.53	**0.74**	0.28	0.24
	-0.25	0.06	0.16	**0.69**	**1.06**	0.01	0.41	-0.20	-0.20
$\mu_S(kw)$	-0.10	0.07	0.06	**0.74**	0.38	**1.01**	0.59	**0.64**	0.39
	-0.12	-0.12	-0.08	0.58	0.19	**1.01**	0.48	**0.74**	0.46
	-0.12	-0.02	0.01	**0.87**	0.53	**1.01**	**0.68**	**0.63**	0.29
	-0.19	-0.15	-0.18	0.40	0.01	**1.06**	**0.66**	0.59	**0.67**
$\sigma_S(kw)$	0.07	0.23	0.21	0.40	**0.72**	0.59	**1.01**	0.35	0.51
	-0.00	0.11	0.14	0.26	**0.68**	0.48	**1.01**	0.39	0.60
	0.08	0.04	0.06	0.44	**0.74**	**0.68**	**1.01**	0.48	0.45
	-0.21	0.06	0.10	0.22	0.41	**0.66**	**1.06**	0.30	0.36
$\mu_S(sw)$	-0.14	0.04	0.07	0.18	0.09	**0.64**	0.35	**1.00**	**0.81**
	-0.15	-0.28	-0.17	0.08	0.00	**0.74**	0.39	**1.01**	**0.84**
	-0.16	0.14	0.24	0.41	0.28	**0.63**	0.48	**1.01**	**0.82**
	-0.06	0.30	0.39	-0.07	-0.20	0.59	0.30	**1.06**	**0.93**
$\sigma_S(sw)$	-0.09	0.18	0.20	0.04	0.26	0.39	0.51	**0.81**	**1.00**
	-0.14	-0.16	-0.03	-0.03	0.23	0.46	0.60	**0.84**	**1.01**
	-0.10	0.18	0.31	0.03	0.24	0.29	0.45	**0.82**	**1.01**
	-0.09	0.18	0.28	-0.08	-0.20	**0.67**	0.36	**0.93**	**1.06**

TABLE S572. 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	**1.01**	0.28	0.24	-0.05	0.13	0.04	0.24	0.09	0.26
(p.)	**1.01**	0.18	0.11	-0.05	0.01	-0.05	-0.00	-0.05	-0.01
(i.)	**1.03**	0.07	0.05	0.16	0.10	0.35	0.31	0.46	0.39
(h.)	**1.05**	-0.50	-0.43	-0.21	-0.14	-0.09	-0.05	0.00	-0.02
d	0.28	**1.01**	**0.98**	-0.01	0.19	0.03	0.29	0.05	0.28
	0.18	**1.01**	**0.90**	-0.19	-0.01	-0.12	0.02	-0.14	0.02
	0.07	**1.03**	**0.90**	0.21	0.21	0.20	0.31	0.16	0.25
	-0.50	**1.05**	**1.01**	0.18	0.03	-0.09	-0.02	-0.17	-0.05
s	0.24	**0.98**	**1.01**	-0.00	0.18	0.03	0.27	0.04	0.25
	0.11	**0.90**	**1.01**	-0.11	0.05	-0.09	0.07	-0.11	0.07
	0.05	**0.90**	**1.03**	0.21	0.21	0.21	0.35	0.18	0.29
	-0.43	**1.01**	**1.05**	0.13	0.04	-0.13	-0.00	-0.19	-0.07
$\mu_S(p)$	-0.05	-0.01	-0.00	**1.01**	0.39	**0.70**	0.19	0.55	0.02
	-0.05	-0.19	-0.11	**1.01**	0.36	**0.72**	0.16	0.60	0.01
	0.16	0.21	0.21	**1.03**	**0.84**	0.54	**0.68**	0.23	0.24
	-0.21	0.18	0.13	**1.05**	**0.77**	**0.65**	**0.65**	0.25	0.40
$\sigma_S(p)$	0.13	0.19	0.18	0.39	**1.01**	0.08	**0.80**	0.01	0.53
	0.01	-0.01	0.05	0.36	**1.01**	0.04	**0.83**	-0.02	**0.62**
	0.10	0.21	0.21	**0.84**	**1.03**	0.24	**0.69**	0.05	0.21
	-0.14	0.03	0.04	**0.77**	**1.05**	0.37	**0.86**	0.05	0.20
$\mu_S(kw)$	0.04	0.03	0.03	**0.70**	0.08	**1.01**	0.15	**0.95**	0.11
	-0.05	-0.12	-0.09	**0.72**	0.04	**1.01**	0.08	**0.96**	0.05
	0.35	0.20	0.21	0.54	0.24	**1.03**	0.60	**0.86**	0.47
	-0.09	-0.09	-0.13	**0.65**	0.37	**1.05**	**0.66**	**0.89**	**0.91**
$\sigma_S(kw)$	0.24	0.29	0.27	0.19	**0.80**	0.15	**1.01**	0.14	**0.86**
	-0.00	0.02	0.07	0.16	**0.83**	0.08	**1.01**	0.07	**0.90**
	0.31	0.31	0.35	**0.68**	**0.69**	0.60	**1.03**	0.41	**0.73**
	-0.05	-0.02	-0.00	**0.65**	**0.86**	**0.66**	**1.05**	0.40	0.51
$\mu_S(sw)$	0.09	0.05	0.04	0.55	0.01	**0.95**	0.14	**1.01**	0.19
	-0.05	-0.14	-0.11	0.60	-0.02	**0.96**	0.07	**1.01**	0.10
	0.46	0.16	0.18	0.23	0.05	**0.86**	0.41	**1.03**	**0.60**
	0.00	-0.17	-0.19	0.25	0.05	**0.89**	0.40	**1.05**	**0.95**
$\sigma_S(sw)$	0.26	0.28	0.25	0.02	0.53	0.11	**0.86**	0.19	**1.01**
	-0.01	0.02	0.07	0.01	**0.62**	0.05	**0.90**	0.10	**1.01**
	0.39	0.25	0.29	0.24	0.21	0.47	**0.73**	**0.60**	**1.03**
	-0.02	-0.05	-0.07	0.40	0.20	**0.91**	0.51	**0.95**	**1.05**

TABLE S573. 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	**1.01**	0.11	0.11	-0.04	-0.05	-0.01	-0.04	0.17	0.19
(p.)	**1.01**	0.24	0.29	-0.04	-0.02	-0.03	-0.02	0.10	0.11
(i.)	**1.02**	-0.16	0.01	0.14	-0.16	0.11	-0.22	0.08	-0.00
(h.)	**1.14**	-0.57	-0.48	-0.22	-0.06	**0.69**	**0.72**	0.59	**0.71**
d	0.11	**1.01**	**0.99**	-0.06	-0.03	-0.04	-0.02	0.10	0.23
	0.24	**1.01**	**0.99**	-0.03	0.00	-0.10	0.00	-0.14	-0.06
	-0.16	**1.02**	**0.87**	-0.14	-0.01	-0.12	0.10	-0.01	0.31
	-0.57	**1.14**	**1.13**	-0.44	-0.29	-0.54	-0.45	**-0.69**	-0.48
s	0.11	**0.99**	**1.01**	-0.05	-0.03	-0.03	-0.02	0.09	0.20
	0.29	**0.99**	**1.01**	-0.04	-0.00	-0.09	-0.00	-0.08	-0.04
	0.01	**0.87**	**1.02**	-0.14	-0.02	-0.14	0.01	-0.01	0.20
	-0.48	**1.13**	**1.14**	-0.46	-0.33	-0.44	-0.35	**-0.61**	-0.39
$\mu_S(p)$	-0.04	-0.06	-0.05	**1.01**	**0.99**	**0.96**	**0.98**	-0.09	-0.08
	-0.04	-0.03	-0.04	**1.01**	**1.00**	**0.98**	**1.00**	-0.10	-0.05
	0.14	-0.14	-0.14	**1.02**	0.44	**0.75**	0.35	0.19	-0.16
	-0.22	-0.44	-0.46	**1.14**	0.55	0.58	0.48	**0.73**	0.57
$\sigma_S(p)$	-0.05	-0.03	-0.03	**0.99**	**1.01**	**0.93**	**1.00**	-0.12	-0.03
	-0.02	0.00	-0.00	**1.00**	**1.01**	**0.95**	**1.01**	-0.13	-0.01
	-0.16	-0.01	-0.02	0.44	**1.02**	0.22	**0.69**	0.01	-0.00
	-0.06	-0.29	-0.33	0.55	**1.14**	0.07	0.53	0.27	0.51
$\mu_S(kw)$	-0.01	-0.04	-0.03	**0.96**	**0.93**	**1.01**	**0.93**	0.10	0.03
	-0.03	-0.10	-0.09	**0.98**	**0.95**	**1.01**	**0.95**	0.05	0.01
	0.11	-0.12	-0.14	**0.75**	0.22	**1.02**	0.55	**0.71**	0.29
	0.69	-0.54	-0.44	0.58	0.07	**1.14**	**0.97**	**1.08**	**1.00**
$\sigma_S(kw)$	-0.04	-0.02	-0.02	**0.98**	**1.00**	**0.93**	**1.01**	-0.09	0.03
	-0.02	0.00	-0.00	**1.00**	**1.01**	**0.95**	**1.01**	-0.11	0.03
	-0.22	0.10	0.01	0.35	**0.69**	0.55	**1.02**	0.43	0.56
	0.72	-0.45	-0.35	0.48	0.53	**0.97**	**1.14**	**0.94**	**1.13**
$\mu_S(sw)$	0.17	0.10	0.09	-0.09	-0.12	0.10	-0.09	**1.01**	0.53
	0.10	-0.14	-0.08	-0.10	-0.13	0.05	-0.11	**1.01**	0.45
	0.08	-0.01	-0.01	0.19	0.01	**0.71**	0.43	**1.02**	**0.63**
	0.59	**-0.69**	**-0.61**	**0.73**	0.27	**1.08**	**0.94**	**1.14**	**0.98**
$\sigma_S(sw)$	0.19	0.23	0.20	-0.08	-0.03	0.03	0.03	0.53	**1.01**
	0.11	-0.06	-0.04	-0.05	-0.01	0.01	0.03	0.45	**1.01**
	-0.00	0.31	0.20	-0.16	-0.00	0.29	0.56	**0.63**	**1.02**
	0.71	-0.48	-0.39	0.57	0.51	**1.00**	**1.13**	**0.98**	**1.14**

TABLE S574. 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	**1.02**	0.12	0.05	0.20	0.16	0.44	0.37	0.42	0.47
(p.)	**1.03**	**0.76**	**0.77**	0.26	0.18	0.48	0.39	0.45	0.49
(i.)	**1.05**	-0.20	-0.11	-0.33	-0.02	0.04	0.12	0.19	0.24
(h.)	**1.20**	**-1.07**	-0.25	0.07	0.18	0.23	0.38	0.09	0.39
d	0.12	**1.02**	**0.91**	0.02	0.19	0.13	0.16	0.10	0.12
	0.76	**1.03**	**0.98**	0.25	0.26	0.35	0.36	0.32	0.45
	-0.20	**1.05**	**0.85**	0.06	0.05	0.33	0.09	0.14	0.03
	-1.07	**1.20**	**0.65**	-0.49	**-0.61**	-0.34	-0.37	0.04	-0.14
s	0.05	**0.91**	**1.02**	-0.02	0.12	0.09	0.13	0.06	0.09
	0.77	**0.98**	**1.02**	0.18	0.21	0.30	0.37	0.29	0.44
	-0.11	**0.85**	**1.05**	-0.03	-0.05	0.33	0.26	0.15	0.15
	-0.25	**0.65**	**1.20**	-0.42	-0.48	-0.31	-0.08	-0.13	0.06
$\mu_S(p)$	0.20	0.02	-0.02	**1.02**	**0.79**	0.54	0.47	0.29	0.41
	0.26	0.25	0.18	**1.02**	**0.85**	0.60	0.55	0.35	0.48
	-0.33	0.06	-0.03	**1.05**	**0.73**	0.28	0.02	0.03	0.15
	0.07	-0.49	-0.42	**1.20**	**1.19**	0.47	0.42	-0.25	-0.34
$\sigma_S(p)$	0.16	0.19	0.12	**0.79**	**1.02**	0.41	0.57	0.18	0.39
	0.18	0.26	0.21	**0.85**	**1.03**	0.47	**0.68**	0.20	0.44
	-0.02	0.05	-0.05	**0.73**	**1.05**	0.40	0.40	0.23	0.47
	0.18	**-0.61**	-0.48	**1.19**	**1.20**	0.40	0.35	-0.33	-0.39
$\mu_S(kw)$	0.44	0.13	0.09	0.54	0.41	**1.02**	**0.75**	**0.92**	**0.82**
	0.48	0.35	0.30	0.60	0.47	**1.02**	**0.76**	**0.94**	**0.84**
	0.04	0.33	0.33	0.28	0.40	**1.05**	**0.77**	**0.84**	**0.71**
	0.23	-0.34	-0.31	0.47	0.40	**1.20**	**1.10**	**0.96**	**0.88**
$\sigma_S(kw)$	0.37	0.16	0.13	0.47	0.57	**0.75**	**1.02**	0.60	**0.87**
	0.39	0.36	0.37	0.55	**0.68**	**0.76**	**1.02**	**0.61**	**0.89**
	0.12	0.09	0.26	0.02	0.40	**0.77**	**1.05**	0.58	**0.75**
	0.38	-0.37	-0.08	0.42	0.35	**1.10**	**1.20**	**0.91**	**0.95**
$\mu_S(sw)$	0.42	0.10	0.06	0.29	0.18	**0.92**	0.60	**1.02**	**0.81**
	0.45	0.32	0.29	0.35	0.20	**0.94**	**0.61**	**1.02**	**0.81**
	0.19	0.14	0.15	0.03	0.23	**0.84**	0.58	**1.05**	**0.90**
	0.09	0.04	-0.13	-0.25	-0.33	**0.96**	**0.91**	**1.20**	**1.13**
$\sigma_S(sw)$	0.47	0.12	0.09	0.41	0.39	**0.82**	**0.87**	**0.81**	**1.02**
	0.49	0.45	0.44	0.48	0.44	**0.84**	**0.89**	**0.81**	**1.02**
	0.24	0.03	0.15	0.15	0.47	**0.71**	**0.75**	**0.90**	**1.05**
	0.39	-0.14	0.06	-0.34	-0.39	**0.88**	**0.95**	**1.13**	**1.20**

TABLE S575. 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**	0.19	0.19	0.06	0.08	-0.05	-0.00	-0.07	-0.06
(p.)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(i.)	**1.01**	0.28	0.25	0.06	0.11	-0.06	0.01	-0.10	-0.09
(h.)	**1.11**	-0.26	-0.18	0.13	-0.14	-0.21	-0.25	-0.24	-0.25
d	0.19	**1.00**	**1.00**	0.09	0.29	0.13	0.37	0.15	0.32
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.28	**1.01**	**0.97**	0.02	0.20	0.03	0.12	0.08	0.11
	-0.26	**1.11**	**1.09**	**0.86**	**1.06**	**1.00**	**1.07**	**0.94**	**1.03**
s	0.19	**1.00**	**1.00**	0.08	0.29	0.13	0.38	0.15	0.33
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0.25	**0.97**	**1.01**	0.02	0.23	0.03	0.16	0.08	0.17
	-0.18	**1.09**	**1.11**	**0.85**	**1.07**	**1.01**	**1.07**	**0.95**	**1.04**
$\mu_S(p)$	0.06	0.09	0.08	**1.00**	**0.65**	0.57	0.50	0.13	0.15
	0.00	0.00	0.00	**1.01**	**0.75**	0.36	0.53	-0.01	0.12
	0.06	0.02	0.02	**1.01**	**0.62**	**0.67**	0.53	0.19	0.14
	0.13	**0.86**	**0.85**	**1.11**	**0.93**	**0.91**	**0.80**	**0.81**	**0.83**
$\sigma_S(p)$	0.08	0.29	0.29	**0.65**	**1.00**	0.38	**0.66**	0.09	0.32
	0.00	0.00	0.00	**0.75**	**1.01**	0.42	**0.70**	0.08	0.24
	0.11	0.20	0.23	**0.62**	**1.01**	0.31	0.57	-0.00	0.19
	-0.14	**1.06**	**1.07**	**0.93**	**1.11**	**1.04**	**1.08**	**1.00**	**1.08**
$\mu_S(kw)$	-0.05	0.13	0.13	0.57	0.38	**1.00**	**0.66**	**0.62**	0.45
	0.00	0.00	0.00	0.36	0.42	**1.01**	**0.69**	0.56	0.44
	-0.06	0.03	0.03	**0.67**	0.31	**1.01**	**0.66**	**0.64**	0.42
	-0.21	**1.00**	**1.01**	**0.91**	**1.04**	**1.11**	**1.04**	**1.10**	**1.07**
$\sigma_S(kw)$	-0.00	0.37	0.38	0.50	**0.66**	**0.66**	**1.00**	0.38	**0.74**
	0.00	0.00	0.00	0.53	**0.70**	**0.69**	**1.01**	0.43	**0.68**
	0.01	0.12	0.16	0.53	0.57	**0.66**	**1.01**	0.28	**0.69**
	-0.25	**1.07**	**1.07**	**0.80**	**1.08**	**1.04**	**1.11**	**1.03**	**1.10**
$\mu_S(sw)$	-0.07	0.15	0.15	0.13	0.09	**0.62**	0.38	**1.00**	**0.63**
	0.00	0.00	0.00	-0.01	0.08	0.56	0.43	**1.01**	**0.74**
	-0.10	0.08	0.08	0.19	-0.00	**0.64**	0.28	**1.01**	0.53
	-0.24	**0.94**	**0.95**	**0.81**	**1.00**	**1.10**	**1.03**	**1.11**	**1.06**
$\sigma_S(sw)$	-0.06	0.32	0.33	0.15	0.32	0.45	**0.74**	**0.63**	**1.00**
	0.00	0.00	0.00	0.12	0.24	0.44	**0.68**	**0.74**	**1.01**
	-0.09	0.11	0.17	0.14	0.19	0.42	**0.69**	0.53	**1.01**
	-0.25	**1.03**	**1.04**	**0.83**	**1.08**	**1.07**	**1.10**	**1.06**	**1.11**

TABLE S576. Pierson correlation coefficient for the topological and textual measures. TAG: 15

J. Formation of principal components

1. Snapshots of 1000 messages

	PC1	PC2	PC3	PC4	PC5
cc	1.51	4.22	3.79	60.58	-8.05
(p.)	-1.87	-9.12	-7.87	57.49	2.39
(i.)	5.36	-9.14	3.43	-61.05	-2.48
(h.)	1.76	-22.11	10.33	-28.35	5.24
d	5.85	31.95	-5.60	-3.15	-3.06
	-5.48	-22.79	-10.69	-9.22	-2.45
	-6.19	28.39	-6.30	-10.40	-0.85
	4.93	26.62	-4.50	1.04	-7.03
s	5.76	31.94	-5.62	-5.16	-2.25
	-4.94	-21.79	-11.89	-17.98	-0.34
	-5.46	27.88	-8.68	-12.71	0.57
	9.33	15.53	-5.61	-33.57	-4.18
$\mu_S(p)$	15.47	-8.94	-4.94	-6.31	-22.64
	16.37	-1.31	-3.41	2.14	-24.04
	-15.40	-0.35	9.85	0.74	-23.09
	8.92	12.72	23.77	-4.03	20.83
$\sigma_S(p)$	13.22	-1.81	17.64	-8.85	-19.66
	12.19	-11.61	13.99	3.92	-24.10
	-13.13	-10.60	-12.76	-1.07	-23.30
	12.11	-1.73	22.81	5.36	-29.45
$\mu_S(kw)$	15.11	-9.18	-15.88	1.87	2.21
	15.32	6.77	-15.95	-3.82	-0.69
	-15.67	1.09	13.94	-2.91	2.80
	15.15	-6.98	-14.49	-3.10	-8.36
$\sigma_S(kw)$	15.04	-0.81	15.76	-1.79	12.26
	15.49	-10.21	10.00	-2.19	14.06
	-13.35	-11.96	-14.22	-5.27	6.01
	16.09	-8.98	1.66	10.92	-1.57
$\mu_S(sw)$	12.85	-8.34	-20.03	7.33	7.90
	13.42	7.51	-19.35	-2.50	4.85
	-12.23	1.97	19.62	-2.83	14.35
	14.85	-5.22	-16.49	-0.94	3.51
$\sigma_S(sw)$	15.19	2.82	10.73	4.98	21.97
	14.93	-8.90	6.86	0.75	27.08
	-13.22	-8.61	-11.19	-3.02	26.55
	16.88	-0.10	0.35	12.70	19.84
λ	41.88	21.15	15.77	11.16	6.23
	42.39	21.99	14.07	10.32	6.21
	41.56	21.72	16.79	9.87	6.63
	47.87	24.55	17.41	8.46	0.96

TABLE S577. PCA formation TAG: 0

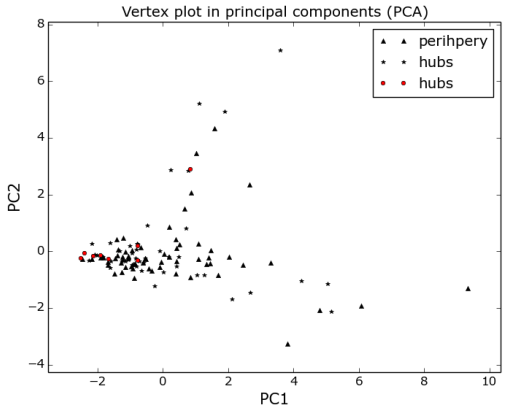

FIG. S1. First two principal components.

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	1.58	6.03	5.74	64.52	3.98
(p.)	-0.45	-8.46	-15.92	-41.59	4.49
(i.)	6.15	-6.47	6.78	55.96	-0.95
(h.)	6.05	-10.29	-16.04	34.91	-9.71
d	-0.85	30.37	10.23	-7.37	-1.09
	-5.80	-22.48	-12.85	11.09	-2.30
	-5.88	28.73	-6.62	8.92	-4.68
	-5.58	26.90	2.72	10.23	0.81
s	-0.89	30.24	10.41	-8.51	-1.17
	-5.12	-23.01	-10.95	15.56	-0.23
	-5.39	28.26	-9.37	10.78	2.33
	-6.40	26.10	0.99	12.68	3.32
$\mu_S(p)$	18.90	-4.86	10.53	-5.89	15.89
	18.19	2.82	-8.58	8.28	13.52
	15.70	-1.45	-9.54	-0.36	-16.40
	13.54	-3.64	14.50	12.60	17.34
$\sigma_S(p)$	18.50	-4.49	12.01	-6.42	18.85
	18.03	3.41	-9.40	7.74	14.74
	15.38	-0.71	-11.45	2.66	13.70
	11.61	-1.14	22.89	6.61	7.81
$\mu_S(kw)$	20.01	-0.63	-0.00	2.24	-23.17
	18.83	-3.54	-1.54	-1.49	-23.75
	16.10	3.89	-5.34	-5.06	-15.08
	16.19	4.76	-1.78	-4.06	-10.68
$\sigma_S(kw)$	19.87	0.26	2.76	2.00	-17.69
	18.86	-2.67	-3.10	-2.76	-10.89
	15.34	4.82	-8.77	-3.89	20.05
	13.56	10.29	8.93	-4.97	-27.59
$\mu_S(sw)$	9.12	10.44	-25.41	1.29	-1.48
	6.35	-16.92	19.72	-5.77	-8.38
	11.45	12.95	18.44	-7.54	-12.86
	14.24	6.07	-16.61	-5.84	9.96
$\sigma_S(sw)$	10.28	12.68	-22.91	1.75	16.68
	8.38	-16.70	17.93	-5.72	21.69
	8.62	12.71	23.69	-4.84	13.94
	12.84	10.81	-15.54	-8.11	12.78
λ	42.39	23.06	18.27	10.81	2.48
	43.34	24.13	17.91	9.11	2.12
	47.79	21.31	14.55	9.68	2.92
	45.64	22.96	14.83	8.60	4.17

TABLE S578. PCA formation TAG: 2

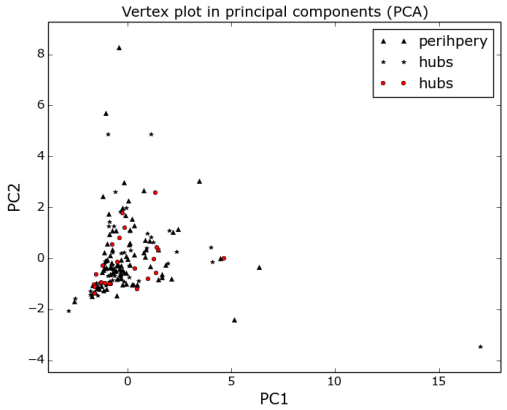

FIG. S2. First two principal components.

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	8.27	-5.55	7.05	-53.12	-6.80
(p.)	-8.58	-17.53	2.87	33.69	-6.40
(i.)	0.65	-19.27	8.59	19.76	-25.88
(h.)	-2.22	23.23	6.48	-21.72	21.46
d	1.44	40.14	-0.83	-3.14	-3.10
	-9.45	-19.34	5.42	-7.18	-12.30
	0.24	18.41	-13.11	-9.92	-25.70
	8.30	-22.07	4.31	-5.16	10.92
s	1.13	40.04	-2.84	-3.83	-2.07
	-8.66	-14.36	18.45	-23.03	9.30
	-6.18	9.59	-17.81	27.39	-1.91
	8.37	-21.83	0.58	-7.99	15.66
$\mu_S(p)$	14.14	-4.27	-16.67	5.76	-21.42
	-10.49	16.49	7.76	-2.19	-22.79
	-16.07	-10.72	-4.51	-16.23	-7.50
	-13.68	-4.34	-16.34	-17.94	-6.83
$\sigma_S(p)$	14.53	-2.22	-18.76	-3.03	9.93
	-11.63	14.05	14.18	8.99	5.13
	-16.72	-9.01	-10.63	-0.14	7.41
	-14.72	-4.98	-14.04	0.93	8.71
$\mu_S(kw)$	16.26	-2.22	7.13	14.95	-18.15
	-13.07	4.89	-10.48	-9.99	-10.90
	-18.02	3.75	8.82	-8.00	-13.55
	-15.86	-2.95	5.59	1.72	4.32
$\sigma_S(kw)$	16.75	-0.29	-9.61	-1.69	18.11
	-13.54	7.85	5.87	5.72	15.98
	-18.56	-4.94	-6.98	3.99	6.70
	-14.71	-8.73	-8.41	9.13	8.14
$\mu_S(sw)$	12.46	1.21	22.51	8.32	-3.39
	-11.64	-4.88	-21.72	-6.88	-1.07
	-9.10	13.38	17.52	6.70	-2.50
	-12.29	0.33	22.79	16.14	8.45
$\sigma_S(sw)$	15.02	4.06	14.59	6.14	17.03
	-12.93	0.61	-13.26	2.33	16.12
	-14.47	10.93	12.02	7.86	8.85
	-9.85	-11.55	21.46	-19.26	-15.51
λ	45.86	22.16	16.24	9.20	3.31
	54.83	17.98	10.87	5.79	4.18
	40.74	26.19	20.32	6.45	2.82
	52.53	28.56	12.49	4.31	1.69

TABLE S579. PCA formation TAG: 3

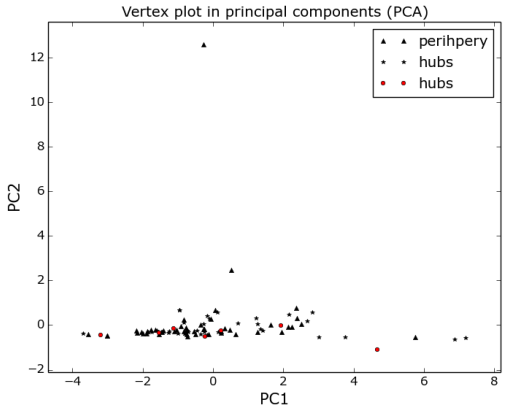

FIG. S3. First two principal components.

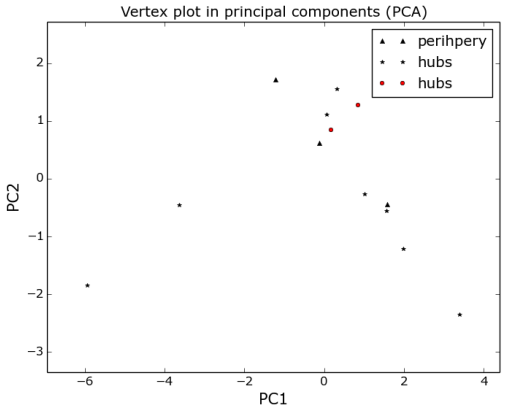

FIG. S4. First two principal components.

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	-0.41	-14.67	-0.86	66.53	-2.95
(p.)	0.00	0.00	0.00	0.00	0.00
(i.)	2.22	22.81	11.67	-34.59	9.26
(h.)	11.69	-6.64	12.91	-30.67	16.09
d	-0.63	-40.08	1.79	-11.62	-0.26
	0.00	0.00	0.00	0.00	0.00
	-0.13	31.73	0.98	6.59	-12.55
	-5.26	31.69	5.13	-1.53	3.55
s	-0.57	-39.97	1.60	-12.80	-0.02
	0.00	0.00	0.00	0.00	0.00
	-3.48	28.22	-13.52	14.88	-3.29
	-4.64	32.09	4.93	-5.84	-0.51
$\mu_S(p)$	20.52	0.16	11.41	0.05	-6.85
	20.94	11.59	-6.77	-31.95	-6.55
	-17.05	-0.47	12.98	1.26	-0.61
	13.39	6.31	-13.97	6.17	2.23
$\sigma_S(p)$	21.35	-0.67	9.48	1.62	5.80
	21.74	9.94	5.80	11.35	-36.85
	-17.35	3.25	9.15	7.33	4.47
	14.04	6.97	-5.91	-10.84	-17.57
$\mu_S(kw)$	21.74	-0.07	0.14	-1.26	-12.29
	22.15	-0.17	-12.54	-6.43	28.75
	-17.45	-4.53	4.61	-5.52	-13.10
	13.57	6.01	-5.38	14.87	25.18
$\sigma_S(kw)$	21.09	-0.75	2.61	0.78	11.54
	21.48	2.83	11.74	28.39	17.09
	-17.91	0.87	6.18	5.71	3.24
	12.70	7.78	-15.84	-7.16	-5.97
$\mu_S(sw)$	6.40	-1.18	-37.00	-3.73	-29.25
	6.41	-38.71	-30.57	8.33	-10.52
	-11.56	-5.78	-21.19	-20.11	-22.54
	12.09	2.51	19.83	13.94	5.84
$\sigma_S(sw)$	7.30	-2.45	-35.10	1.62	31.04
	7.28	-36.77	32.58	-13.55	0.23
	-12.85	2.35	-19.72	-4.01	30.94
	12.63	0.01	16.11	8.98	-23.05
λ	41.01	22.92	15.02	10.33	7.20
	61.55	22.63	10.74	3.62	1.38
	49.87	23.35	11.72	7.55	4.77
	58.00	21.48	12.13	3.94	3.37

TABLE S580. PCA formation TAG: 6

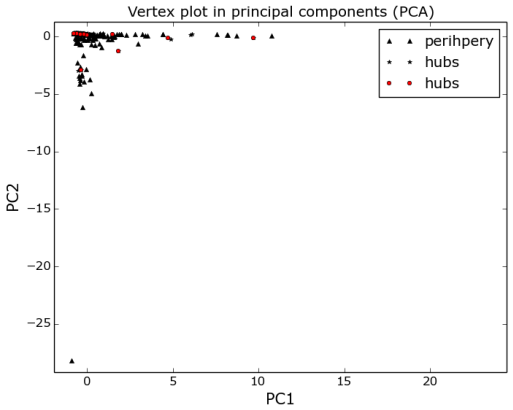

FIG. S5. First two principal components.

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	1.38	8.28	22.03	-34.85	-7.34
(p.)	0.98	15.54	16.25	-34.28	13.46
(i.)	-3.87	-8.30	-5.30	-44.16	12.46
(h.)	1.91	-18.70	-36.15	-14.89	-3.13
d	7.60	27.64	0.37	8.18	-4.69
	2.11	30.21	0.78	11.04	-1.24
	-9.32	-25.08	-2.10	9.60	5.73
	-4.07	32.50	-8.12	2.44	-8.63
s	7.33	27.81	0.05	8.72	-4.73
	1.78	29.82	2.83	12.75	-2.18
	-8.12	-26.21	-1.60	11.90	5.19
	-3.21	31.22	-14.92	-8.38	8.76
$\mu_S(p)$	13.77	-11.55	11.02	8.91	-14.83
	-16.41	5.34	-16.52	0.53	13.90
	-13.47	12.33	-14.92	2.18	9.86
	-15.34	-4.40	-6.84	6.82	20.15
$\sigma_S(p)$	14.09	-7.08	17.62	7.56	9.66
	-16.75	7.72	-15.43	-7.59	-5.07
	-13.82	2.61	-14.78	-8.16	-19.20
	-15.13	-1.69	8.20	-16.27	8.52
$\mu_S(kw)$	14.18	-9.84	-7.39	0.81	-19.80
	-16.74	-3.52	1.15	8.14	20.08
	-12.88	15.65	0.02	10.72	17.16
	-15.52	-4.82	-3.65	11.67	10.94
$\sigma_S(kw)$	15.46	-3.20	7.02	2.83	13.61
	-17.26	2.47	-3.57	-9.48	-14.51
	-15.93	2.47	-8.56	3.04	-9.37
	-14.49	-0.82	12.87	-19.88	-3.61
$\mu_S(sw)$	11.97	-1.65	-23.81	-16.63	-5.39
	-12.54	-5.06	26.59	14.58	8.37
	-10.90	5.38	28.40	-1.98	7.23
	-14.84	-3.27	-9.24	17.85	-10.99
$\sigma_S(sw)$	14.22	2.96	-10.70	-11.49	19.94
	-15.45	-0.34	16.89	-1.60	-21.18
	-11.71	-1.97	24.33	-8.26	-13.81
	-15.49	-2.58	-0.00	-1.80	-25.28
λ	44.66	21.17	11.69	10.50	7.04
	42.35	23.55	11.78	9.40	7.50
	40.83	20.08	13.95	10.84	8.19
	58.59	22.09	10.55	5.10	2.34

TABLE S581. PCA formation TAG: 7

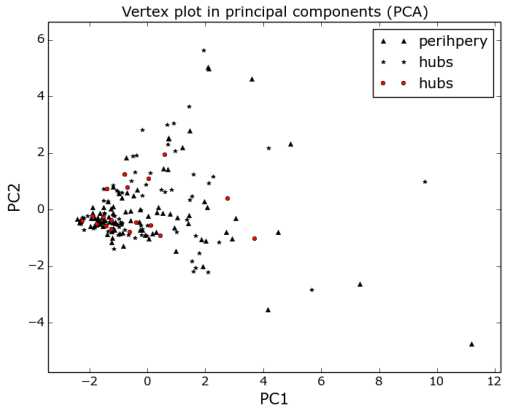

FIG. S6. First two principal components.

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	-0.20	-9.71	-19.54	41.62	7.90
(p.)	1.63	16.69	12.74	-37.49	-15.64
(i.)	-2.24	8.87	7.94	-44.48	-13.62
(h.)	4.83	-23.47	-0.15	-27.15	-9.93
d	0.75	-27.42	11.35	2.73	-2.16
	5.98	26.52	-10.39	8.57	-0.37
	-7.93	-13.38	21.48	3.05	0.65
	4.36	24.13	-10.02	-6.90	-1.32
s	0.89	-26.38	14.47	1.19	-5.40
	5.73	26.30	-11.62	8.84	-2.24
	-7.37	-13.64	21.83	-0.55	3.13
	2.09	24.62	-6.10	-18.94	-10.31
$\mu_S(p)$	19.63	5.18	5.98	7.77	-6.30
	-17.37	1.97	-8.11	-7.20	6.23
	-9.53	19.84	7.10	1.17	9.96
	-16.85	7.36	8.31	-1.06	17.54
$\sigma_S(p)$	19.67	4.06	6.39	8.31	1.52
	-17.48	1.91	-8.51	-5.14	-0.51
	-9.72	18.52	9.18	9.96	12.28
	-14.54	6.33	16.45	-0.56	-10.56
$\mu_S(kw)$	20.28	1.80	-0.69	0.71	-9.72
	-17.57	5.49	-2.01	-1.71	9.18
	-17.18	-0.36	-9.88	-6.54	7.62
	-17.63	-1.31	-9.89	3.27	-12.34
$\sigma_S(kw)$	20.33	1.98	3.45	1.05	6.42
	-17.79	3.07	-5.28	-0.39	-4.88
	-16.16	6.50	-0.87	14.96	-26.20
	-17.73	-1.50	9.46	-10.04	-7.40
$\mu_S(sw)$	7.13	-11.19	-24.93	-15.27	-27.68
	-5.37	14.40	25.76	8.24	28.01
	-13.95	-9.90	-11.89	-15.56	16.85
	-9.64	-5.94	-21.79	15.54	-11.21
$\sigma_S(sw)$	11.12	-12.27	-13.19	-21.35	32.90
	-11.08	3.65	15.58	22.41	-32.94
	-15.92	-8.99	-9.83	3.73	-9.69
	-12.33	-5.33	-17.83	-16.55	19.40
λ	45.44	24.25	13.71	9.56	5.43
	48.29	23.42	11.75	9.00	6.03
	39.25	25.48	17.02	11.10	3.20
	41.85	29.10	21.15	4.17	3.08

TABLE S582. PCA formation TAG: 8

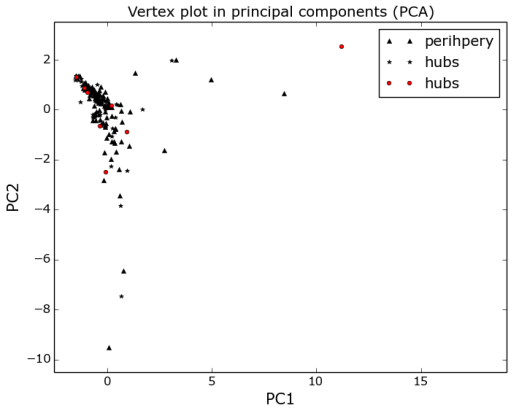

FIG. S7. First two principal components.

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	-0.04	-2.94	-3.69	-74.48	-2.31
(p.)	0.00	0.00	0.00	0.00	0.00
(i.)	5.19	-7.40	10.74	-54.00	4.03
(h.)	-3.66	18.05	-41.36	9.58	-5.69
d	-7.68	-27.48	-8.86	4.81	-3.26
	-4.95	36.43	1.34	0.88	4.98
	-2.85	36.17	0.48	-8.62	0.49
	5.90	-19.94	-19.27	-8.23	-2.43
s	-7.95	-27.19	-9.00	5.61	-3.18
	-7.17	35.09	0.53	-0.59	-2.63
	-4.74	35.50	2.05	-3.60	4.46
	6.43	-19.58	-18.87	-9.05	-2.62
$\mu_S(p)$	-13.76	13.08	-13.05	4.00	-15.66
	-14.29	-5.95	22.50	12.23	-1.53
	-16.30	-5.71	8.13	2.84	18.56
	13.34	10.01	3.80	-12.43	-27.71
$\sigma_S(p)$	-12.91	13.35	-17.55	0.87	0.38
	-13.80	-3.95	24.15	-2.54	-20.35
	-14.88	-4.87	18.51	3.40	9.50
	13.08	10.17	-0.27	-19.10	9.94
$\mu_S(kw)$	-14.91	3.44	12.93	-1.15	-20.38
	-16.42	-6.00	-9.04	21.47	18.23
	-13.89	-4.45	-20.21	-6.80	15.70
	14.63	5.68	3.78	1.63	-1.25
$\sigma_S(kw)$	-16.14	6.37	-3.32	-2.45	15.15
	-17.19	-6.79	0.92	-17.97	22.22
	-16.24	-2.00	11.54	0.65	-5.95
	14.37	6.84	-5.00	-1.25	19.63
$\mu_S(sw)$	-12.36	-4.49	23.01	-3.52	-9.20
	-11.98	-2.25	-25.65	17.04	-19.21
	-11.98	-2.46	-25.65	-14.64	-4.15
	13.94	-6.29	5.78	22.10	-16.22
$\sigma_S(sw)$	-14.24	-1.66	8.58	-3.12	30.49
	-14.20	-3.54	-15.87	-27.28	-10.86
	-13.93	-1.45	2.69	-5.46	-37.15
	14.65	-3.45	-1.87	16.63	14.50
λ	43.66	21.33	12.82	11.07	6.89
	43.64	23.03	18.03	8.54	3.51
	44.89	20.96	13.78	10.01	6.77
	61.53	31.19	4.83	2.34	0.11

TABLE S583. PCA formation TAG: 9

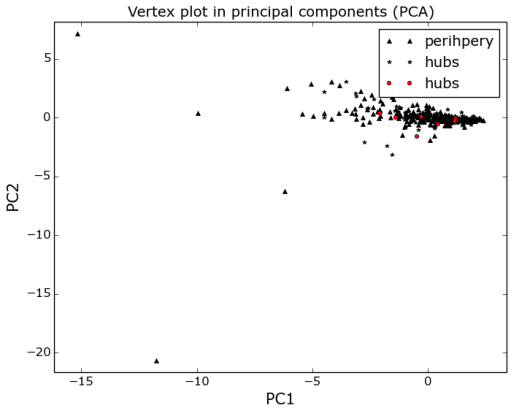

FIG. S8. First two principal components.

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	-1.28	-5.10	-17.03	-44.05	1.65
(p.)	1.06	21.97	3.69	-46.92	1.51
(i.)	-0.91	5.97	-2.17	72.32	3.21
(h.)	-6.47	2.23	-9.51	-42.46	-2.68
d	-5.17	-30.00	7.45	-1.34	4.15
	1.13	32.03	-5.93	13.90	-0.16
	-6.25	-30.14	4.37	7.21	-7.12
	11.99	-13.86	15.03	-7.58	-6.67
s	-5.14	-29.87	8.35	-0.76	2.98
	1.07	31.76	-5.57	16.38	-0.23
	-6.71	-29.56	8.91	7.51	-4.07
	10.51	-15.09	17.56	-5.07	-4.93
$\mu_S(p)$	-14.60	11.67	13.54	-10.56	11.38
	-17.39	-1.65	-16.12	-4.92	-11.47
	-9.50	16.75	21.16	1.55	-14.25
	3.33	21.22	15.90	-3.29	30.52
$\sigma_S(p)$	-13.61	2.88	9.90	-9.27	-25.45
	-16.49	-0.94	-11.73	1.70	18.63
	-10.12	4.50	28.60	-0.82	12.79
	6.36	22.74	6.39	-2.31	-34.26
$\mu_S(kw)$	-16.38	9.98	6.61	-3.90	15.52
	-18.68	-0.43	-8.59	-4.41	-13.32
	-16.81	7.89	-5.52	-2.03	-14.44
	14.66	5.90	-13.66	13.62	2.92
$\sigma_S(kw)$	-17.48	2.64	-2.58	3.30	-10.27
	-18.97	0.67	2.39	-0.79	12.61
	-16.78	0.22	-2.91	-6.64	18.30
	15.77	10.58	0.67	-9.28	1.01
$\mu_S(sw)$	-13.01	-1.98	-16.08	12.95	17.00
	-12.43	5.10	21.31	5.85	-25.16
	-16.57	3.70	-12.97	0.28	-12.49
	15.63	-3.59	-13.86	2.99	-2.85
$\sigma_S(sw)$	-13.33	-5.88	-18.46	13.89	-11.60
	-12.77	5.45	24.68	5.14	16.91
	-16.35	-1.28	-13.39	-1.64	13.32
	15.29	-4.78	-7.43	-13.41	14.16
λ	41.95	22.34	13.30	10.30	7.05
	43.38	25.28	13.17	7.81	6.58
	40.09	21.59	13.13	10.97	7.83
	45.00	24.10	14.73	11.07	2.44

TABLE S584. PCA formation TAG: 10

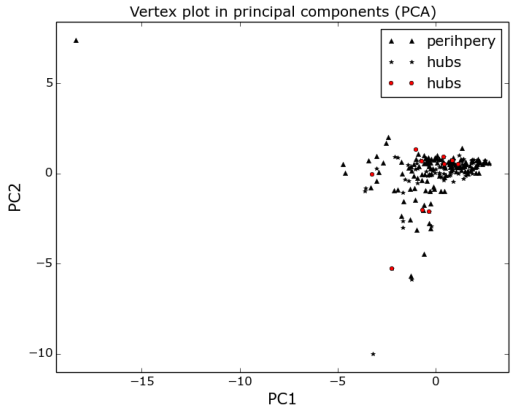

FIG. S9. First two principal components.

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	6.30	3.08	14.14	-45.36	9.79
(p.)	5.99	19.82	-3.28	6.21	-35.98
(i.)	1.52	-10.23	-22.16	-31.44	11.54
(h.)	14.03	-7.39	7.97	-22.17	-5.91
d	8.16	-27.97	9.43	4.07	0.69
	9.84	18.09	8.74	-2.21	21.95
	2.66	21.53	13.47	-8.95	22.83
	-14.38	3.44	13.28	17.11	-23.47
s	6.55	-29.86	6.92	8.13	3.81
	9.31	18.73	12.81	2.74	8.24
	7.90	14.25	11.66	-28.66	-20.95
	-14.08	1.77	18.72	-2.36	17.99
$\mu_S(p)$	6.46	16.87	17.83	24.25	13.09
	7.53	0.73	-30.61	11.72	7.05
	-8.61	21.92	-12.54	6.43	2.56
	14.12	8.51	3.33	-1.89	-20.74
$\sigma_S(p)$	10.66	10.61	17.66	4.79	-18.81
	11.81	4.29	-18.70	-19.29	3.27
	-6.42	18.84	-21.12	3.73	-6.68
	13.47	10.13	2.25	13.45	24.32
$\mu_S(kw)$	15.60	7.32	-4.36	6.44	18.41
	14.64	-7.28	-2.69	19.43	5.48
	18.20	-2.10	-9.30	1.70	5.30
	8.01	15.05	24.13	4.44	0.44
$\sigma_S(kw)$	16.14	2.01	-5.55	-4.69	-16.47
	14.19	-9.37	5.24	-15.82	-7.79
	17.23	2.38	-8.42	6.91	-16.67
	4.39	20.57	-9.08	6.08	-5.10
$\mu_S(sw)$	14.24	-0.02	-15.74	-1.74	10.06
	12.34	-11.59	13.25	13.59	-4.06
	20.15	0.42	-0.19	5.82	8.40
	-9.51	16.30	3.32	-31.30	0.73
$\sigma_S(sw)$	15.89	2.25	-8.38	-0.53	-8.87
	14.34	-10.10	4.68	-9.00	-6.18
	17.30	8.34	-1.14	6.36	5.07
	-8.00	16.83	-17.93	-1.20	1.30
λ	41.78	20.60	15.54	9.51	5.77
	43.49	22.83	14.53	6.28	5.34
	37.30	21.71	14.29	9.28	6.27
	56.87	33.33	7.92	1.46	0.42

TABLE S585. PCA formation TAG: 11

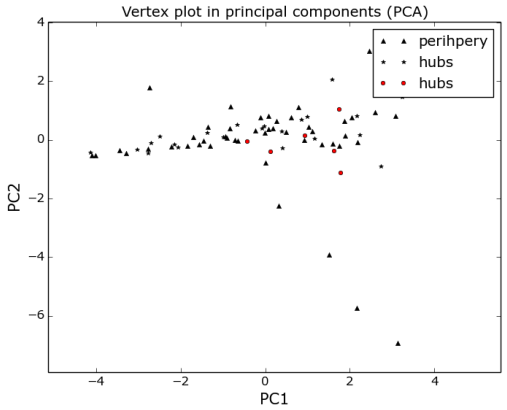

FIG. S10. First two principal components.

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	0.41	10.01	-59.43	-10.51	-3.39
(p.)	0.00	0.00	0.00	0.00	0.00
(i.)	1.26	3.67	-13.83	-55.31	3.46
(h.)	-0.45	11.30	34.45	21.42	0.01
d	-0.17	39.18	8.70	-1.04	-1.66
	2.00	-44.07	-1.60	-2.81	-0.48
	0.59	37.67	8.96	-0.94	-5.35
	8.36	-22.74	-5.11	14.08	22.98
s	0.17	39.23	7.90	0.28	-3.26
	2.00	-44.07	-1.60	-2.81	-0.48
	2.61	38.18	4.70	0.46	2.76
	8.43	-23.48	6.32	7.30	-27.62
$\mu_S(p)$	18.42	-1.28	-1.13	7.88	-16.24
	-17.59	-0.60	-10.64	-14.75	11.77
	18.77	1.11	-1.88	1.44	20.94
	13.73	9.54	-11.00	11.24	3.66
$\sigma_S(p)$	17.97	0.60	-3.37	15.27	-4.59
	-17.11	-0.06	-17.00	-5.68	-27.94
	18.50	1.21	-12.05	8.92	2.92
	15.16	4.76	-4.81	5.56	-5.15
$\mu_S(kw)$	18.40	-1.65	2.67	-5.84	-15.54
	-17.62	-1.20	4.32	-14.92	28.23
	17.96	-3.39	12.32	-5.06	15.95
	14.68	2.62	8.88	-6.82	19.88
$\sigma_S(kw)$	18.46	1.05	-3.28	11.81	4.39
	-17.81	-1.06	-11.80	3.23	-10.00
	18.76	0.36	-11.10	7.76	-4.42
	15.29	5.29	-5.10	2.18	-6.20
$\mu_S(sw)$	10.26	-3.48	12.70	-40.11	-8.21
	-10.78	-2.28	45.22	-11.25	-14.26
	6.55	-11.95	33.44	-14.67	-0.37
	9.75	-9.04	21.79	-23.42	3.23
$\sigma_S(sw)$	15.74	3.51	-0.82	-7.26	42.73
	-15.09	-6.66	7.83	44.55	6.85
	14.99	-2.46	1.72	-5.44	-43.82
	14.15	11.22	-2.53	-7.98	-11.29
λ	50.05	22.38	10.82	9.98	4.57
	58.47	24.99	10.21	4.64	1.30
	45.33	21.60	13.10	10.87	6.46
	58.85	18.54	11.88	8.21	1.78

TABLE S586. PCA formation TAG: 12

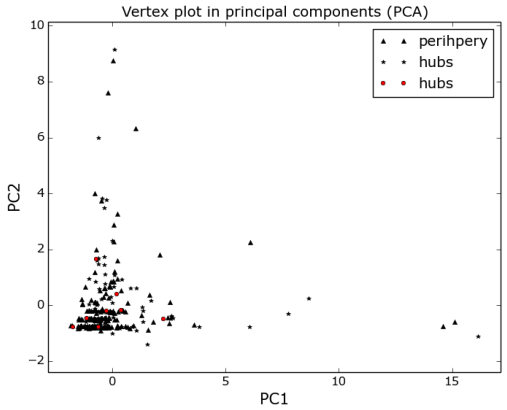

FIG. S11. First two principal components.

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	3.34	12.56	1.32	4.32	-56.78
(p.)	0.00	0.00	0.00	0.00	0.00
(i.)	-3.79	-22.15	16.61	-15.20	5.17
(h.)	6.66	-18.34	-4.76	13.90	-28.07
d	4.53	27.01	-7.86	-3.52	7.92
	0.00	0.00	0.00	0.00	0.00
	-3.98	-27.88	8.22	3.19	13.22
	-10.37	12.52	16.79	-1.04	-10.66
s	4.15	26.25	-8.50	-4.33	14.72
	0.00	0.00	0.00	0.00	0.00
	-2.78	-22.66	-8.69	23.10	-22.04
	-10.47	12.97	14.37	10.93	-14.05
$\mu_S(p)$	14.99	-9.01	-18.71	7.40	-1.60
	-18.05	22.62	8.54	7.86	28.26
	18.63	-1.57	12.63	-1.08	-10.22
	12.98	11.98	-5.03	-11.53	-13.95
$\sigma_S(p)$	18.08	-3.90	7.71	-18.18	-1.18
	-20.80	-8.19	-20.57	-9.82	18.44
	20.36	-1.00	6.19	4.40	3.37
	10.81	13.68	-7.20	23.33	1.77
$\mu_S(kw)$	16.18	-8.11	-16.85	9.43	-0.92
	-19.19	20.31	10.66	4.35	-28.65
	19.40	-4.80	-2.04	-11.08	-11.48
	14.40	4.45	6.86	-20.68	-11.00
$\sigma_S(kw)$	19.12	-2.31	9.96	-14.74	-0.37
	-21.70	-11.12	-16.84	-3.74	-18.65
	20.62	-1.44	0.09	6.15	9.57
	13.50	11.53	-2.12	10.34	6.55
$\mu_S(sw)$	9.20	4.15	10.91	24.44	9.74
	-9.71	-14.37	27.63	-35.69	2.93
	1.24	-10.63	-20.95	-27.90	-6.82
	7.77	-10.31	24.64	7.79	3.91
$\sigma_S(sw)$	10.41	6.69	18.18	13.63	6.77
	-10.55	-23.38	15.77	38.54	3.07
	9.19	-7.88	-24.57	7.91	18.11
	13.05	-4.23	18.22	0.47	10.04
λ	28.36	23.12	16.90	13.82	9.81
	42.13	25.76	20.86	7.52	2.55
	40.76	22.19	18.79	10.45	3.29
	48.30	26.62	15.70	4.83	2.73

TABLE S587. PCA formation TAG: 13

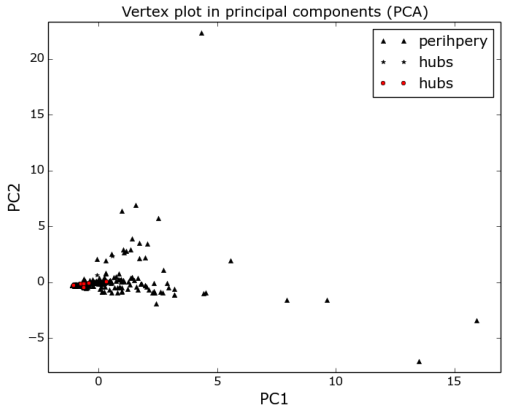

FIG. S12. First two principal components.

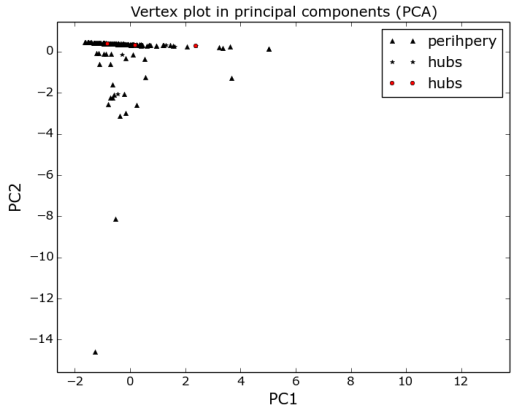

FIG. S13. First two principal components.

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	-1.06	-8.59	-1.17	5.08	68.03
(p.)	0.00	0.00	0.00	0.00	0.00
(i.)	-1.14	-12.48	2.29	58.43	4.38
(h.)	6.93	-10.07	56.15	2.02	0.72
d	-5.40	-24.78	-4.47	9.73	-12.42
	0.00	0.00	0.00	0.00	0.00
	-6.51	-26.62	-5.08	-13.11	6.08
	-1.23	31.89	8.52	-2.98	1.32
s	-5.38	-24.73	-4.42	10.06	-12.24
	0.00	0.00	0.00	0.00	0.00
	-6.52	-26.72	-5.18	-12.35	5.46
	-0.82	31.68	10.97	-6.49	-0.16
$\mu_S(p)$	-15.48	10.49	-15.66	9.29	0.74
	-19.83	15.09	14.02	-15.71	14.09
	-15.70	9.25	-12.54	2.80	8.88
	-15.24	7.08	2.78	11.51	-13.29
$\sigma_S(p)$	-15.33	5.64	17.89	11.41	-1.20
	-17.53	-21.58	10.26	14.77	30.35
	-16.38	3.78	-12.99	1.00	-6.76
	-13.98	1.85	3.75	35.25	9.55
$\mu_S(kw)$	-16.49	9.13	-16.54	4.07	1.05
	-19.98	16.90	10.56	-8.49	-12.20
	-16.24	8.79	4.25	1.67	14.09
	-15.43	-4.44	7.43	-10.09	-14.77
$\sigma_S(kw)$	-17.08	2.49	17.99	3.50	-0.02
	-18.61	-21.47	3.07	2.33	-34.23
	-17.18	4.58	-5.95	3.63	-7.96
	-15.42	-3.64	5.10	-12.03	25.28
$\mu_S(sw)$	-12.24	-4.04	-11.34	-24.37	1.14
	-14.11	16.17	-25.98	31.70	-0.88
	-8.84	1.10	32.79	-6.46	16.31
	-15.41	-5.97	4.14	-7.37	-20.42
$\sigma_S(sw)$	-11.53	-10.11	10.53	-22.49	3.16
	-9.95	-8.78	-36.11	-26.99	8.25
	-11.47	-6.67	18.93	0.54	-30.08
	-15.54	-3.37	1.16	-12.26	14.50
λ	35.30	24.34	13.88	12.46	10.44
	50.35	24.49	21.90	2.62	0.46
	45.72	22.57	12.38	10.06	6.71
	63.22	23.96	8.69	3.63	0.37

TABLE S588. PCA formation TAG: 15

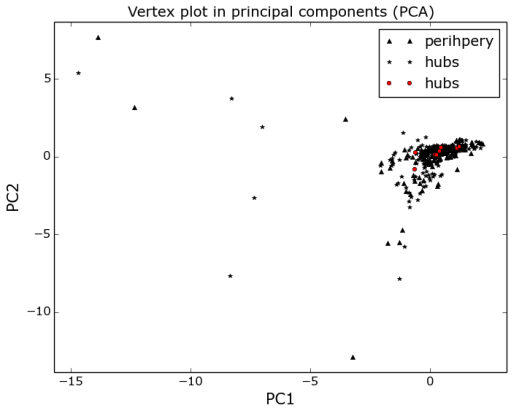

FIG. S14. First two principal components.

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	-3.14	-11.18	-1.23	3.30	62.65
(p.)	0.00	0.00	0.00	0.00	0.00
(i.)	0.89	19.71	12.07	-43.29	-11.85
(h.)	-2.75	20.44	15.25	-22.13	-20.16
d	-5.14	-30.92	-1.84	-5.73	-10.11
	0.00	0.00	0.00	0.00	0.00
	2.53	29.79	5.61	15.22	4.67
	10.64	4.20	-23.04	-6.15	0.44
s	-4.52	-31.02	-1.47	-6.02	-11.20
	0.00	0.00	0.00	0.00	0.00
	0.84	29.81	5.12	17.71	1.18
	9.94	11.27	-20.27	-2.75	-13.29
$\mu_S(p)$	17.88	-1.01	8.91	-17.81	4.76
	20.02	14.05	-18.28	23.54	-30.54
	-20.88	-0.76	6.58	2.12	-3.91
	8.59	-19.59	8.11	-19.71	0.01
$\sigma_S(p)$	19.03	-5.05	-17.23	7.29	-0.45
	21.54	-20.19	4.15	-8.15	-7.13
	-20.85	0.59	6.51	1.58	-1.14
	14.52	-11.90	-0.84	-7.52	-9.26
$\mu_S(kw)$	19.90	-2.67	9.15	-11.95	3.62
	22.70	12.76	-10.96	3.81	42.06
	-21.08	-0.05	2.09	2.29	-5.20
	14.19	8.55	7.86	-8.37	23.75
$\sigma_S(kw)$	18.64	-5.05	-16.91	10.20	-1.57
	21.08	-20.45	7.19	-10.45	-4.27
	-21.08	0.40	2.67	-0.55	5.11
	14.80	-5.64	5.15	2.23	-2.71
$\mu_S(sw)$	7.32	-5.05	31.14	4.91	0.01
	9.60	28.67	16.00	-29.72	-12.32
	-4.33	8.70	-32.01	2.58	-33.22
	11.51	18.05	7.14	7.02	12.46
$\sigma_S(sw)$	4.44	-8.05	12.13	32.78	-5.63
	5.07	3.88	43.43	24.33	3.68
	-7.51	10.19	-27.35	-14.67	33.72
	13.07	-0.37	12.35	24.12	-17.92
λ	33.10	22.11	15.54	12.92	10.27
	46.50	25.23	20.38	5.37	2.24
	45.00	22.71	14.53	8.44	6.07
	48.17	21.07	16.96	5.07	3.80

TABLE S589. PCA formation TAG: 16

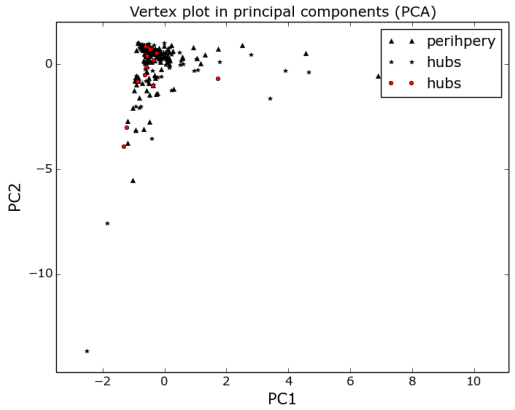

FIG. S15. First two principal components.

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	2.26	-0.63	3.14	-77.71	-1.06
(p.)	-3.87	-19.31	-2.94	45.07	-8.46
(i.)	6.42	-13.69	-2.79	-44.73	-10.93
(h.)	1.15	-14.54	9.38	-43.91	3.30
d	-8.04	22.80	-11.36	-5.01	3.59
	-0.02	-33.94	-3.56	-4.69	4.26
	-7.15	18.52	14.09	-12.60	5.15
	-1.46	12.41	-19.60	-13.36	-7.75
s	-7.55	22.52	-13.14	-2.82	6.34
	1.14	-31.57	-1.87	-20.41	8.00
	-8.51	17.86	9.14	-21.09	2.51
	-0.17	9.66	-21.54	-18.35	10.34
$\mu_S(p)$	-15.05	-12.68	-5.19	-0.10	8.11
	18.60	3.36	-9.97	5.41	7.30
	-15.37	-9.77	7.18	1.36	4.73
	-21.10	-6.77	-3.14	0.40	7.56
$\sigma_S(p)$	-14.52	-10.23	-11.95	-5.39	-3.06
	18.23	0.26	-14.25	-0.40	1.26
	-14.70	-10.32	9.50	-0.46	4.93
	-18.52	-10.12	-7.38	3.35	-9.52
$\mu_S(kw)$	-15.64	-4.87	9.68	-0.87	18.04
	18.08	1.03	6.47	9.90	14.59
	-15.79	-5.77	-9.30	-4.34	8.91
	-18.37	9.23	7.90	-0.68	24.36
$\sigma_S(kw)$	-16.22	-7.89	-5.84	-4.06	-9.97
	18.77	-0.86	-9.77	-0.58	-6.30
	-15.95	-7.98	2.12	2.42	-11.82
	-20.34	-7.37	-6.32	4.25	-6.51
$\mu_S(sw)$	-8.59	9.66	25.11	1.02	15.80
	8.65	-3.30	36.28	5.04	13.33
	-5.13	4.93	-29.14	-8.98	20.77
	-6.74	16.47	13.15	-3.40	4.63
$\sigma_S(sw)$	-12.13	8.72	14.59	3.02	-34.04
	12.64	-6.37	14.89	-8.50	-36.51
	-10.99	11.18	-16.75	4.01	-30.24
	-12.15	13.44	11.58	-12.29	-26.02
λ	45.49	21.44	14.18	10.98	4.53
	45.57	22.32	12.18	9.40	6.77
	46.47	22.43	16.91	8.26	2.92
	37.24	30.48	22.76	5.82	1.65

TABLE S590. PCA formation TAG: 17

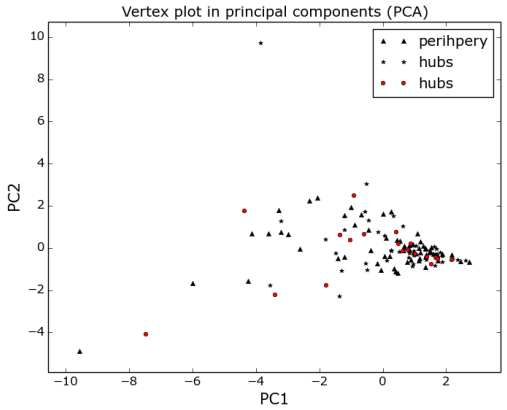

FIG. S16. First two principal components.

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	2.94	9.38	15.24	18.55	35.11
(p.)	-4.04	-15.20	-11.84	8.74	-33.35
(i.)	-0.68	11.18	-12.20	-47.94	-4.82
(h.)	-11.74	10.14	-15.19	-39.16	3.09
d	4.67	23.73	-12.64	-0.49	2.75
	-11.22	-17.79	-1.40	-13.28	4.55
	5.89	-30.88	5.01	-8.13	-6.99
	7.59	-25.58	-1.84	-5.71	-12.94
s	4.00	22.51	-15.59	-2.07	1.35
	-10.51	-16.83	-0.67	-18.10	9.64
	2.31	-32.20	3.41	-11.16	-4.13
	4.73	-28.69	2.36	-18.10	13.90
$\mu_S(p)$	-19.02	-4.54	-11.41	4.06	5.79
	17.55	0.36	-9.95	-9.41	2.87
	19.57	1.01	-12.08	7.03	-2.78
	12.87	5.38	-14.98	0.16	14.78
$\sigma_S(p)$	-16.81	7.33	7.15	-17.67	9.64
	14.37	-8.15	16.79	-6.68	-9.99
	19.97	-0.86	-12.50	4.78	1.79
	12.08	0.82	-24.27	-0.83	-18.48
$\mu_S(kw)$	-19.01	-3.71	-10.92	8.95	2.64
	17.06	-1.67	-12.94	-7.41	5.46
	19.71	8.25	5.70	0.47	-14.50
	12.38	10.10	13.99	-9.94	-7.26
$\sigma_S(kw)$	-16.93	8.60	9.36	-15.86	3.40
	13.88	-10.29	17.09	-3.78	-7.42
	19.84	0.41	2.35	-5.53	17.19
	13.30	5.51	-6.10	0.62	-2.04
$\mu_S(sw)$	-12.70	4.22	-0.01	26.81	-11.86
	9.18	-12.98	-19.15	9.26	8.87
	5.86	11.42	23.23	-2.95	-23.59
	11.90	8.76	19.90	-21.72	-5.93
$\sigma_S(sw)$	-3.93	15.99	17.68	5.54	-27.45
	2.19	-16.72	10.17	23.34	17.85
	6.17	3.78	23.53	-12.01	24.20
	13.41	5.02	-1.38	3.76	21.58
λ	36.01	23.87	15.65	13.88	7.57
	39.60	26.52	15.65	8.38	7.10
	37.57	21.89	19.82	9.56	7.25
	70.22	21.32	6.53	1.33	0.38

TABLE S591. PCA formation TAG: 18

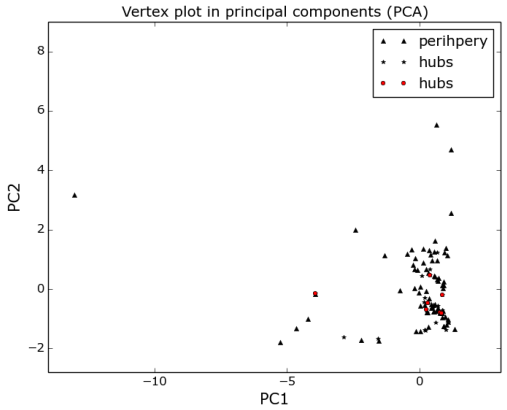

FIG. S17. First two principal components.

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	2.00	8.67	26.24	-30.91	-0.66
(p.)	-2.06	-14.42	-56.50	0.46	3.19
(i.)	9.62	-7.63	-1.26	-47.10	-6.71
(h.)	-5.44	-26.53	26.08	21.47	1.88
d	0.98	28.77	-10.30	-3.87	1.34
	-7.44	-26.56	9.98	5.01	-3.57
	-5.37	21.17	-14.98	0.30	-7.80
	-6.47	28.32	-4.38	26.05	18.10
s	0.85	28.29	-12.14	-3.11	1.56
	-6.71	-25.94	15.84	8.35	-8.12
	-5.36	20.85	-14.94	-10.68	-4.97
	-6.30	27.83	22.50	-3.32	-20.13
$\mu_S(p)$	-18.08	-5.82	-8.15	-10.23	-6.95
	15.94	-2.49	0.24	8.04	-9.48
	-14.15	2.57	17.43	-5.09	-11.60
	13.83	-0.51	-5.61	13.01	-4.80
$\sigma_S(p)$	-17.48	-3.22	-5.32	-6.78	-23.09
	15.48	-2.72	-1.59	-4.27	-17.24
	-15.52	5.91	12.62	-15.13	6.85
	13.16	0.93	-8.48	16.20	-25.59
$\mu_S(kw)$	-17.07	-2.98	-2.86	-4.75	29.25
	13.97	-3.22	2.52	20.16	18.03
	-16.25	-10.73	1.52	6.23	-15.20
	13.80	4.50	10.79	-3.68	2.37
$\sigma_S(kw)$	-18.66	0.44	-3.25	-5.62	9.57
	15.66	-2.53	-1.32	13.05	2.73
	-18.00	-1.65	-2.46	-9.20	13.12
	14.01	-0.16	0.94	5.13	5.08
$\mu_S(sw)$	-10.88	10.26	20.14	20.98	9.62
	9.07	-14.59	10.33	-22.20	24.77
	-5.96	-17.16	-17.10	2.25	-16.34
	13.09	8.40	15.45	-6.37	8.44
$\sigma_S(sw)$	-14.02	11.54	11.61	13.76	-17.97
	13.68	-7.51	-1.68	-18.46	-12.86
	-9.77	-12.34	-17.68	-4.03	17.41
	13.91	2.81	5.77	-4.77	13.61
λ	43.79	23.94	12.97	8.55	6.16
	49.70	21.17	9.82	8.10	6.85
	36.93	23.62	19.60	9.02	5.77
	67.24	20.35	6.08	3.77	1.92

TABLE S592. PCA formation TAG: 19

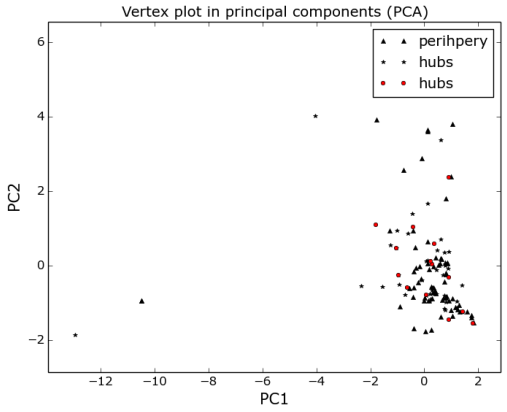

FIG. S18. First two principal components.

2. Snapshots of 2000 messages

	PC1	PC2	PC3	PC4	PC5
cc	-0.60	-2.33	-20.29	-40.20	2.23
(p.)	0.47	25.46	-2.29	-2.36	-44.98
(i.)	4.48	-15.41	36.04	-20.17	-1.41
(h.)	3.16	-19.11	-4.16	-28.58	18.48
d	2.23	-34.65	-5.28	4.28	0.18
	-3.54	30.33	1.86	-2.36	19.55
	2.02	33.02	3.35	-6.85	-0.03
	-8.60	12.81	-25.82	2.65	-3.55
s	2.02	-34.45	-5.23	6.75	3.67
	-2.76	30.80	1.14	-0.27	17.79
	2.48	32.10	5.24	-11.48	-1.15
	-12.08	4.19	-24.11	-11.28	4.51
$\mu_S(p)$	16.01	6.38	-8.18	6.12	30.19
	-12.82	-1.04	-25.76	-14.14	-1.44
	-15.35	-2.70	-7.61	-10.52	-31.72
	-11.91	-14.43	0.24	-8.59	-29.84
$\sigma_S(p)$	16.59	7.00	-12.80	9.49	2.86
	-11.21	-1.67	-30.58	8.78	4.32
	-15.85	-2.81	-8.16	-12.39	-2.26
	-6.20	-21.63	-5.84	14.03	-9.29
$\mu_S(kw)$	16.03	-2.26	14.47	-9.60	15.18
	-17.35	-4.36	6.84	-19.82	-2.81
	-16.08	3.88	8.99	6.42	-10.48
	-16.09	4.40	9.29	-3.25	6.41
$\sigma_S(kw)$	17.33	4.11	-8.89	4.86	-16.50
	-17.43	1.05	2.20	21.08	-3.62
	-16.17	-0.70	-3.06	-8.42	20.93
	-11.85	-12.44	-2.80	20.90	23.96
$\mu_S(sw)$	11.95	-8.29	24.13	-16.81	-1.55
	-17.32	-4.01	16.82	-13.55	1.05
	-11.33	8.15	23.43	23.36	-6.42
	-14.38	8.52	14.09	-8.69	1.44
$\sigma_S(sw)$	17.23	-0.53	-0.73	-1.88	-27.63
	-17.10	-1.29	12.49	17.65	-4.44
	-16.25	1.23	4.12	-0.40	25.61
	-15.74	2.47	13.64	-2.01	2.52
λ	49.32	21.94	11.69	10.90	3.98
	35.56	25.11	14.90	11.48	6.39
	56.11	22.97	9.75	7.86	2.11
	48.28	26.23	13.97	7.40	3.65

TABLE S593. PCA formation TAG: 0

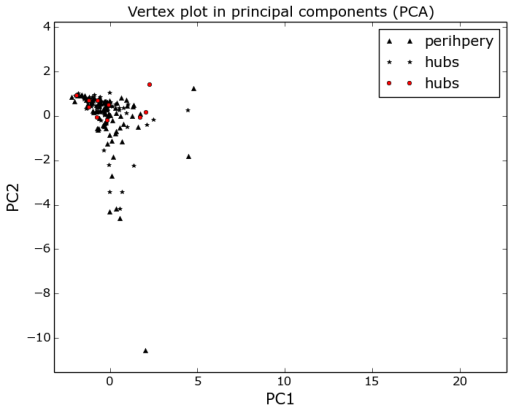

FIG. S19. First two principal components.

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	0.70	9.32	-65.09	-5.00	0.72
(p.)	5.11	18.25	-2.89	-53.38	4.99
(i.)	-1.64	5.37	-73.09	-4.28	-0.85
(h.)	-11.98	13.91	1.11	-31.09	-14.89
d	-3.41	35.61	8.04	-0.82	3.49
	0.69	36.01	0.40	13.23	-0.75
	-0.02	-39.26	-2.49	-5.15	3.21
	12.39	-0.76	-23.52	2.31	-5.22
s	-3.06	35.66	8.97	-0.59	3.62
	0.82	35.83	-0.14	14.62	0.05
	-0.29	-39.22	-6.57	-1.56	2.12
	11.60	0.57	-24.51	-5.54	-4.42
$\mu_S(p)$	-15.25	-4.07	-2.77	18.77	12.66
	-13.04	0.49	27.51	-5.85	-4.69
	17.03	1.34	-3.64	7.43	13.94
	-14.46	-0.49	-13.23	7.48	-18.43
$\sigma_S(p)$	-14.16	2.75	-4.58	24.93	-24.53
	-15.76	2.91	15.48	-6.88	-25.61
	14.65	-5.58	-6.15	34.13	-17.62
	-13.13	12.62	-13.67	-3.53	16.13
$\mu_S(kw)$	-16.10	-6.26	-1.91	1.34	24.93
	-15.06	0.49	7.78	0.97	39.53
	17.12	3.20	-1.07	-4.64	22.54
	-14.07	-13.35	-3.00	18.00	-12.00
$\sigma_S(kw)$	-16.69	-1.05	-2.92	2.50	-5.55
	-17.50	4.95	-2.94	-0.54	0.81
	16.70	-2.00	-1.99	4.30	6.43
	-15.51	3.27	-11.07	6.11	17.62
$\mu_S(sw)$	-16.03	-3.64	1.89	-20.14	5.91
	-16.64	-0.48	-19.11	-1.63	7.59
	16.55	3.02	2.90	-18.66	1.82
	-4.89	-28.23	2.22	-7.43	-1.42
$\sigma_S(sw)$	-14.60	-1.64	3.82	-25.92	-18.60
	-15.38	0.57	-23.75	-2.92	-15.99
	16.00	-1.01	2.09	-19.85	-31.48
	-1.98	-26.80	-7.66	-18.51	9.87
λ	48.93	22.27	10.77	8.25	4.63
	38.70	23.63	12.58	8.93	7.65
	56.89	22.16	11.01	4.99	2.10
	42.87	25.01	17.50	5.73	4.19

TABLE S594. PCA formation TAG: 2

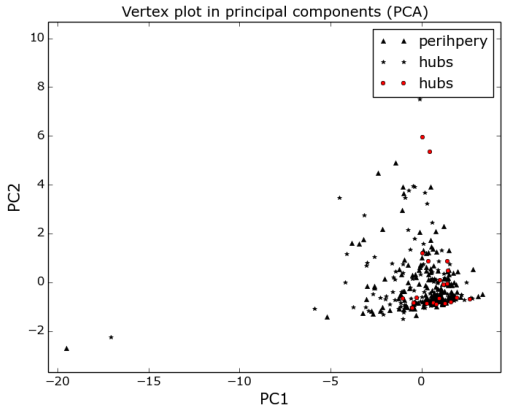

FIG. S20. First two principal components.

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	-0.26	3.25	0.70	52.94	15.79
(p.)	1.31	22.61	-4.43	-12.00	-29.98
(i.)	3.45	18.25	32.55	9.75	-17.30
(h.)	10.34	-17.50	-3.13	0.08	22.13
d	1.97	-38.82	-3.32	1.73	2.62
	2.10	24.79	-3.54	-5.03	-8.23
	-4.13	-22.26	-2.54	8.43	-39.99
	-11.38	15.62	-7.80	-9.91	12.24
s	1.81	-38.80	-3.95	0.30	2.94
	2.45	21.55	-2.68	-3.09	45.06
	-4.52	-19.71	14.86	20.92	27.10
	-11.48	15.57	-7.53	-9.64	11.39
$\mu_S(p)$	16.92	3.70	4.39	-11.57	21.73
	16.30	-8.16	4.81	-20.55	3.81
	-15.82	2.32	4.30	-5.25	2.23
	15.18	5.91	3.16	-21.23	-17.64
$\sigma_S(p)$	14.86	-2.26	24.79	-2.64	0.94
	15.96	0.42	22.12	-3.91	0.20
	-12.67	-10.42	14.98	-17.76	2.50
	16.15	6.70	3.83	-4.88	16.78
$\mu_S(kw)$	16.75	5.52	-16.57	-7.59	15.34
	15.71	-8.31	-18.45	-13.50	2.75
	-15.38	7.35	-3.08	5.36	-1.33
	12.05	2.19	-25.33	-12.90	-2.71
$\sigma_S(kw)$	17.67	-1.88	16.02	4.98	-9.32
	18.49	3.14	14.21	9.46	-4.75
	-15.42	-1.85	8.12	-11.29	-2.41
	13.88	12.30	5.30	9.48	8.64
$\mu_S(sw)$	14.08	5.03	-25.22	1.34	-6.75
	12.71	-3.63	-26.98	7.73	-1.64
	-14.30	8.57	-11.09	11.37	-4.49
	-1.48	-7.96	-34.86	5.89	-1.97
$\sigma_S(sw)$	15.69	-0.73	-5.04	16.92	-24.56
	14.97	7.38	-2.79	24.74	-3.57
	-14.30	9.27	-8.50	9.89	2.63
	8.05	16.27	-9.06	26.00	-6.49
λ	42.48	22.36	12.77	11.93	6.44
	36.78	27.09	14.33	9.29	5.62
	55.73	25.91	7.25	6.28	2.91
	47.40	29.92	16.59	5.26	0.82

TABLE S595. PCA formation TAG: 3

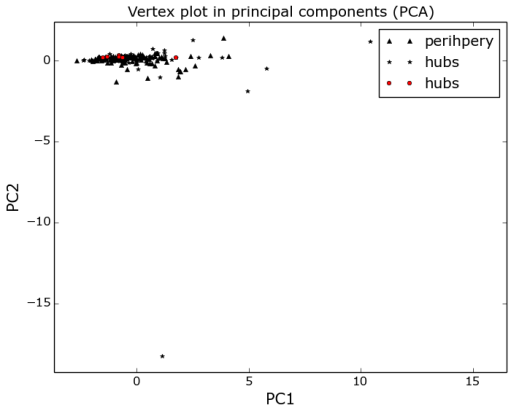

FIG. S21. First two principal components.

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	0.72	6.83	9.90	-38.74	-14.85
(p.)	-4.21	-12.20	-9.06	8.30	-49.22
(i.)	2.08	-1.97	-18.43	29.43	-18.21
(h.)	7.77	-2.53	11.55	-35.42	16.98
d	-8.50	25.79	-5.26	5.76	-5.30
	-3.98	-22.08	-9.17	5.33	12.50
	-4.31	26.53	-10.40	-7.60	-3.35
	-10.88	18.95	-11.42	-2.87	-0.65
s	-8.44	25.49	-6.49	6.49	-5.54
	-1.95	-20.85	-11.19	4.67	22.45
	-5.40	27.18	-6.59	-5.88	-4.41
	-11.78	17.85	-11.04	-12.64	3.16
$\mu_S(p)$	-12.02	-5.91	18.23	12.99	-12.56
	9.82	-9.77	22.78	13.89	0.81
	-13.69	-13.15	-6.70	-15.11	-14.56
	-1.30	-18.82	-11.98	-15.98	-21.73
$\sigma_S(p)$	-13.68	5.03	14.36	-2.99	17.11
	10.67	-14.04	13.12	-17.98	-7.50
	-14.32	-2.32	-15.80	0.85	18.37
	-1.71	-10.73	-21.97	-7.68	1.73
$\mu_S(kw)$	-15.47	-11.71	4.04	7.28	-13.83
	17.92	0.68	4.07	18.49	1.38
	-16.83	-9.83	-0.95	-8.19	-10.79
	-15.24	-16.25	5.96	6.49	-3.70
$\sigma_S(kw)$	-15.80	-1.18	5.55	-10.05	15.26
	16.50	-8.92	-1.72	-15.34	-4.87
	-15.87	-4.66	-6.28	10.72	15.57
	-13.42	-12.19	-5.80	6.14	36.14
$\mu_S(sw)$	-12.47	-12.37	-17.54	-3.97	-9.05
	17.63	8.04	-12.74	9.15	-0.22
	-15.43	4.15	16.56	5.84	-11.15
	-19.01	1.81	9.47	-8.74	-9.25
$\sigma_S(sw)$	-12.89	-5.69	-18.65	-11.73	6.49
	17.32	3.42	-16.16	-6.85	1.03
	-12.06	10.22	18.28	16.39	3.58
	-18.90	-0.87	10.79	-4.04	-6.65
λ	38.08	21.23	16.11	11.00	8.06
	34.26	25.92	14.08	10.44	8.86
	39.61	22.70	13.68	11.64	7.05
	32.28	24.54	20.54	10.03	6.74

TABLE S596. PCA formation TAG: 7

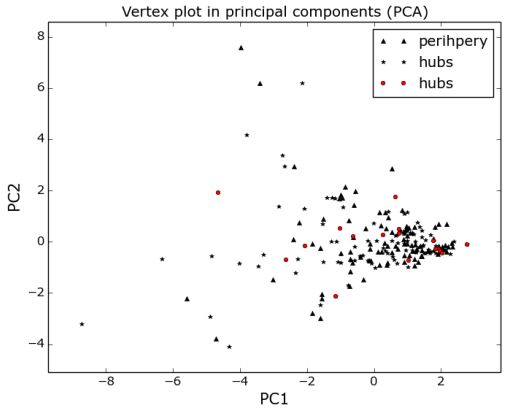

FIG. S22. First two principal components.

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	-7.04	-5.99	-4.83	-34.62	21.37
(p.)	-2.04	-3.29	-7.10	71.83	1.38
(i.)	-7.82	-12.95	-4.61	29.12	25.04
(h.)	2.35	-16.95	-5.64	-49.09	6.65
d	-10.93	-11.90	-19.35	8.02	-0.55
	-5.56	-10.90	-23.82	-7.89	-0.23
	-8.46	17.99	-16.53	-0.22	6.53
	0.85	24.43	8.39	-14.80	1.04
s	-10.56	-11.65	-19.63	10.19	-1.02
	-3.89	-11.25	-23.70	-13.72	-2.90
	-8.73	17.84	-16.54	-0.69	3.16
	1.41	24.00	7.51	-20.07	-4.21
$\mu_S(p)$	-9.00	16.81	0.15	13.57	19.50
	15.73	8.21	-6.68	2.08	-26.10
	-12.22	5.83	17.70	-6.88	9.89
	-15.00	8.59	-10.20	1.32	35.57
$\sigma_S(p)$	-13.44	-3.36	15.35	12.40	15.84
	14.08	-13.11	5.08	2.80	-20.80
	-10.41	10.56	19.65	5.35	3.40
	-12.80	7.22	-20.14	0.30	-9.34
$\mu_S(kw)$	-9.58	20.02	-7.08	-3.28	-4.96
	15.71	11.86	-12.05	-0.28	7.31
	-13.36	-10.63	-1.55	-22.48	6.74
	-18.91	-3.17	7.14	1.68	8.62
$\sigma_S(kw)$	-15.89	-5.51	14.16	0.05	-5.56
	14.98	-15.22	5.21	-0.09	4.93
	-15.06	1.52	7.37	7.25	-14.65
	-16.59	3.11	-11.51	-7.07	-26.18
$\mu_S(sw)$	-9.37	18.52	-7.97	-9.10	-11.74
	15.00	11.65	-10.96	-0.04	16.31
	-11.63	-15.53	-9.48	-14.42	3.01
	-15.25	-8.11	15.94	0.03	-5.92
$\sigma_S(sw)$	-14.19	-6.23	11.48	-8.78	-19.46
	13.01	-14.51	5.40	-1.26	20.03
	-12.31	-7.16	-6.56	13.58	-27.58
	-16.84	-4.42	13.54	-5.64	-2.47
λ	35.46	25.86	17.44	10.35	7.52
	31.65	27.01	19.55	10.65	7.39
	43.69	18.64	16.78	8.23	7.31
	41.96	26.92	16.55	7.62	4.29

TABLE S597. PCA formation TAG: 8

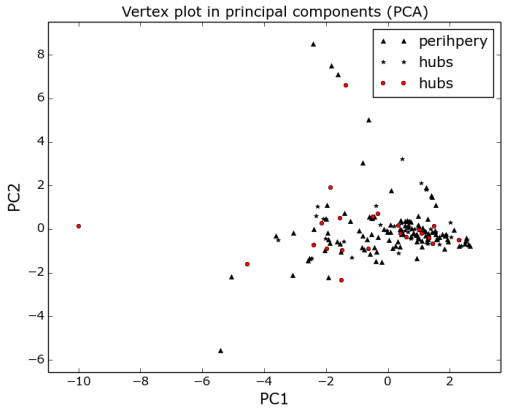

FIG. S23. First two principal components.

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	-1.36	-9.18	-12.16	60.26	-1.19
(p.)	1.27	14.46	-18.04	-49.60	1.76
(i.)	-0.38	5.43	15.44	-21.95	-26.26
(h.)	9.50	-22.70	7.58	12.86	20.70
d	-2.02	-27.07	15.37	-1.93	-2.34
	1.46	33.31	-1.12	13.67	-1.06
	0.14	-25.81	-5.89	-9.88	5.65
	-10.83	-5.33	-22.31	-0.33	4.28
s	-1.91	-26.77	16.06	-1.50	-4.45
	1.55	33.33	-3.83	11.90	-3.90
	-1.17	-24.36	-4.19	-15.39	1.55
	-9.84	-8.32	-23.72	-0.84	0.30
$\mu_S(p)$	23.12	-0.68	0.89	1.68	-2.89
	-23.38	1.06	0.27	-0.50	-2.43
	14.77	11.81	-7.60	-18.68	10.31
	8.93	22.45	-6.79	-17.44	24.91
$\sigma_S(p)$	23.05	-1.25	1.56	1.18	4.11
	-23.32	2.28	-0.04	0.00	2.73
	12.63	3.01	-22.27	0.66	-16.57
	6.15	21.99	-7.11	27.74	-6.12
$\mu_S(kw)$	22.32	-3.08	-4.43	-2.10	-9.27
	-22.80	-1.36	-4.53	0.08	-8.10
	20.69	5.78	6.11	-8.09	13.04
	13.38	-8.85	-6.29	-13.71	-5.94
$\sigma_S(kw)$	23.00	-2.22	0.27	0.18	6.15
	-23.28	2.19	-1.56	0.71	4.48
	20.11	-4.47	-9.11	9.07	-10.05
	13.43	-5.12	-11.62	9.41	-6.19
$\mu_S(sw)$	-2.04	-12.82	-26.76	-17.08	-32.74
	2.38	-7.51	-35.03	9.83	-37.88
	17.24	-3.76	16.98	4.16	6.42
	14.11	-1.20	-3.36	-12.03	-21.68
$\sigma_S(sw)$	-1.19	-16.93	-22.50	-14.09	36.88
	0.58	-4.49	-35.59	13.71	37.67
	12.86	-15.57	12.40	12.13	-10.15
	13.82	-4.03	-11.22	5.64	9.87
λ	43.21	24.34	15.97	10.02	5.41
	43.57	23.64	16.52	9.03	6.37
	32.88	23.72	16.22	13.02	8.11
	57.94	16.47	15.33	8.90	0.78

TABLE S598. PCA formation TAG: 10

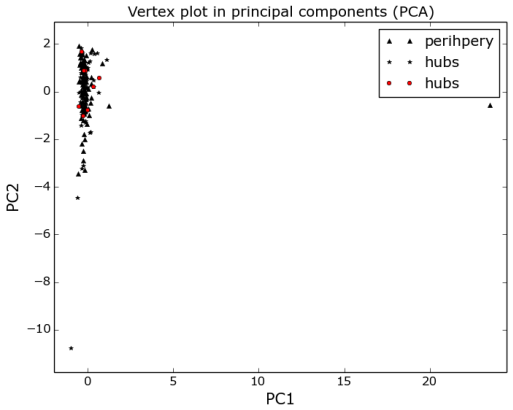

FIG. S24. First two principal components.

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	-9.30	-1.59	-12.70	-47.85	0.69
(p.)	-10.37	-15.09	0.47	-13.08	35.48
(i.)	-2.09	12.66	20.11	-34.26	-4.69
(h.)	9.25	-5.21	25.56	14.04	2.27
d	-4.33	37.49	-0.60	-1.55	-2.82
	-10.11	-18.23	-7.83	1.08	-18.02
	-6.17	-29.21	-1.06	-9.30	-7.18
	-10.42	12.57	-18.93	-1.82	-6.66
s	-3.42	37.90	-1.48	2.92	-1.56
	-9.70	-19.32	-7.01	5.66	-12.06
	-7.19	-28.19	4.38	-8.85	5.69
	-6.77	10.48	-4.49	42.52	10.89
$\mu_S(p)$	-11.18	-5.70	24.97	-5.45	-17.45
	-9.86	11.98	-18.05	-18.40	-4.37
	-5.85	2.60	-30.70	-6.53	-10.27
	7.05	-17.19	-15.10	7.47	-0.45
$\sigma_S(p)$	-10.77	1.92	27.71	-5.24	5.25
	-9.30	11.76	-23.28	2.85	0.86
	-10.89	8.55	-22.33	-16.63	8.60
	6.76	-18.64	-11.37	6.89	-3.06
$\mu_S(kw)$	-16.00	-4.59	-6.59	8.95	-14.63
	-13.08	7.61	12.01	-10.89	-4.47
	-17.96	-1.97	0.90	6.78	-4.25
	16.75	3.01	-10.08	-2.03	34.50
$\sigma_S(kw)$	-15.21	-1.56	1.11	7.72	27.25
	-12.70	7.89	0.07	23.64	12.12
	-15.96	3.25	5.79	5.42	32.00
	16.71	4.01	-7.02	11.58	-30.59
$\mu_S(sw)$	-14.08	-5.12	-16.45	12.67	-17.02
	-11.52	4.04	21.31	-10.41	-11.96
	-16.51	4.88	9.58	10.29	-23.11
	12.98	14.34	-3.58	-11.47	3.59
$\sigma_S(sw)$	-15.70	-4.14	-8.39	7.64	13.31
	-13.36	4.08	9.97	13.99	0.66
	-17.38	8.69	5.14	1.94	-4.21
	13.31	14.55	3.88	2.16	-7.97
λ	47.11	20.65	14.72	7.96	4.98
	55.25	20.49	13.20	5.24	3.03
	39.92	20.31	18.58	8.43	5.72
	42.23	31.89	16.38	8.95	0.54

TABLE S599. PCA formation TAG: 11

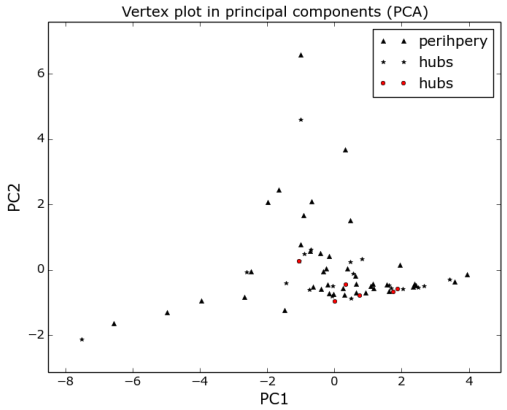

FIG. S25. First two principal components.

	PC1	**PC2**	**PC3**	**PC4**	**PC5**
cc	1.25	12.09	12.09	44.89	6.56
(p.)	0.00	0.00	0.00	0.00	0.00
(i.)	-1.04	-14.60	-9.78	-29.83	19.40
(h.)	2.49	-59.01	16.74	-1.68	-1.90
d	10.70	23.27	-2.73	-7.18	-7.98
	0.00	0.00	0.00	0.00	0.00
	-6.35	-26.79	5.79	2.70	-8.11
	-12.33	3.14	1.71	19.55	-12.29
s	10.77	23.27	-2.78	-7.07	-7.44
	0.00	0.00	0.00	0.00	0.00
	-6.92	-26.43	6.23	5.32	-6.59
	-12.36	-0.74	8.38	17.10	-15.21
$\mu_S(p)$	10.75	-10.21	21.57	-0.64	-11.78
	-13.84	-25.47	2.88	-30.34	-21.61
	-14.11	5.41	-17.76	-5.55	-12.18
	-10.52	-22.84	-39.25	1.81	4.01
$\sigma_S(p)$	12.57	-2.22	19.64	-9.77	9.87
	-16.43	-22.09	9.13	3.84	32.85
	-12.71	-3.74	-19.57	11.72	1.34
	-12.62	-4.17	1.35	6.72	16.09
$\mu_S(kw)$	13.55	-13.27	-1.73	9.04	-15.76
	-18.05	4.66	-45.10	8.15	-7.07
	-16.56	9.31	1.99	-11.91	-10.62
	-12.46	-0.37	-3.73	-16.95	-13.39
$\sigma_S(kw)$	16.32	-4.16	1.96	-4.62	12.85
	-21.03	-2.56	7.80	26.18	-6.47
	-17.43	3.52	-2.76	8.78	13.45
	-12.56	3.64	14.24	3.68	10.74
$\mu_S(sw)$	10.48	-8.73	-21.37	15.50	-8.90
	-14.08	25.71	-3.96	-28.15	18.05
	-11.37	6.67	20.23	-15.11	-8.41
	-12.07	3.00	5.58	-26.37	-8.52
$\sigma_S(sw)$	13.62	-2.78	-16.12	1.28	18.87
	-16.57	19.50	31.14	3.34	-13.96
	-13.51	3.54	15.89	9.07	19.90
	-12.58	3.11	9.00	-6.13	17.84
λ	41.44	19.85	15.03	9.84	6.79
	54.55	25.82	8.69	5.64	3.82
	36.45	22.91	15.21	9.43	8.50
	81.46	12.04	2.92	2.78	0.56

TABLE S600. PCA formation TAG: 15

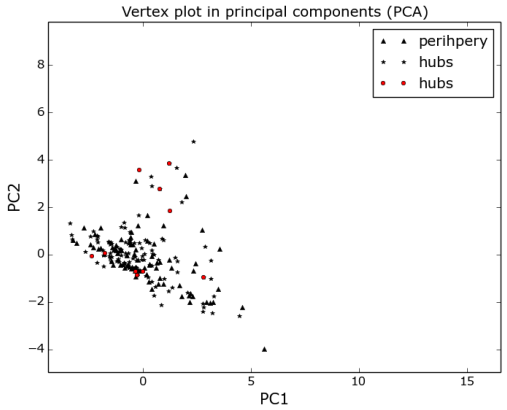

FIG. S26. First two principal components.

	g.	p.	i.	h.
N	116	62	46	8
$N_{\%}$	100.00	53.45	39.66	6.90
M	999.00	120.00	394.00	485.00
$M_{\%}$	100.00	12.01	39.44	48.55
Γ	205.00	58.00	96.00	51.00
$\Gamma_{\%}$	100.00	28.29	46.83	24.88
$\frac{\Gamma}{M}\%$	20.52	48.33	24.37	10.52
$\mu(\gamma)$	2.60	2.24	2.76	2.73
$\sigma(\gamma)$	0.49	0.43	0.43	0.45
$chars$	553435	68986	179933	304516
$chars_{\%}$	100.00	12.47	32.51	55.02
$\frac{spaces}{chars}$	15.60	15.25	15.70	15.61
$\frac{punct}{chars-spaces}$	6.74	6.51	6.33	7.03
$\frac{digits}{chars-spaces}$	1.48	1.89	1.56	1.34
$\frac{letters}{chars-spaces}$	89.92	89.66	90.23	89.80
$\frac{vogals}{letters}$	36.15	35.87	36.01	36.30
$\frac{uppercase}{letters}$	5.34	5.92	5.70	4.99
$tokens$	120404	14757	39272	66375
$tokens_{\%}$	100.00	12.26	32.62	55.13
$tokens \neq$	6.90	16.20	11.08	8.83
$\frac{knownw}{tokens}$	35.20	33.38	35.61	35.36
$\frac{knownw \neq}{knownw}$	10.01	28.89	17.45	13.89
$\frac{stopw}{knownw}$	100.08	99.25	98.14	101.40
$\frac{punct}{tokens}$	20.61	21.47	20.16	20.68
$\frac{contrac}{tokens}$	1.13	0.65	1.07	1.26
$\mu(\overline{tokens})$	3.81	3.89	3.79	3.80
$\sigma(\overline{tokens})$	2.86	3.13	2.87	2.79
$\mu(\overline{knownw})$	5.70	5.79	5.63	5.72
$\sigma(\overline{knownw})$	2.27	2.28	2.22	2.29
$\mu(\overline{knownw \neq})$	6.82	6.38	6.56	6.76
$\sigma(\overline{knownw \neq})$	2.57	2.41	2.46	2.52
$\mu(\overline{stopw})$	2.75	2.67	2.70	2.80
$\sigma(\overline{stopw})$	1.11	1.10	1.12	1.12
$sents$	4121	539	1383	2200
$sents_{\%}$	99.98	13.08	33.55	53.37
$\mu_S(chars)$	133.07	126.55	129.00	137.16
$\sigma_S(chars)$	125.73	166.78	124.46	114.06
$\mu_S(tokens)$	29.26	27.39	28.42	30.23
$\sigma_S(tokens)$	27.57	36.49	27.46	24.92
$\mu_S(knownw)$	9.19	8.08	8.97	9.60
$\sigma_S(knownw)$	7.96	7.67	8.29	7.79
$\mu_S(stopw)$	9.06	7.72	8.59	9.68
$\sigma_S(stopw)$	7.47	6.69	7.22	7.74
$\mu_S(puncts)$	6.06	5.89	5.75	6.30
$\sigma_S(puncts)$	9.82	14.64	9.45	8.47
$msgs$	999	120	394	485
$msgs_{\%}$	100.00	12.01	39.44	48.55
$\mu_M(sents)$	4.96	5.40	4.42	5.28
$\sigma_M(sents)$	5.51	4.58	4.30	6.48
$\mu_M(tokens)$	122.21	124.05	101.06	138.95
$\sigma_M(tokens)$	156.44	170.65	109.44	181.18
$\mu_M(knownw)$	38.43	36.65	31.92	44.17
$\sigma_M(knownw)$	46.12	38.27	37.08	53.24
$\mu_M(stopw)$	36.85	34.42	29.74	43.24
$\sigma_M(stopw)$	45.03	35.03	35.08	52.83
$\mu_M(puncts)$	26.39	27.23	21.28	30.33
$\sigma_M(puncts)$	48.68	63.42	25.34	57.68
$\mu_M(chars)$	551.97	573.65	455.12	625.27
$\sigma_M(chars)$	674.26	794.67	502.11	749.84

TABLE S601. Messages sizes in each Erdös sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 0

	g.	p.	i.	h.
NOUN	25.93	26.17	26.79	25.37
X	0.11	0.15	0.14	0.08
ADP	12.14	12.10	11.42	12.56
DET	11.87	11.84	11.65	12.01
VERB	21.95	22.22	21.96	21.89
ADJ	5.76	5.52	5.76	5.81
ADV	7.46	6.89	7.24	7.71
PRT	3.97	4.39	3.95	3.89
PRON	6.91	6.94	7.27	6.69
NUM	0.58	0.58	0.65	0.55
CONJ	3.32	3.19	3.18	3.43
PUNC	0.00	0.00	0.00	0.00
N	54.73	54.69	54.14	55.09
ADJ	11.33	10.98	11.14	11.51
VERB	6.33	6.03	5.91	6.65
ADV	27.61	28.30	28.81	26.75
POS	32.80	31.22	33.19	32.92
POS!	96.27	96.18	96.26	96.29

TABLE S602. 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	72.61	73.69	71.37	73.10
physical_entity.n.01	27.39	26.31	28.63	26.90
total	100.00	100.00	100.00	100.00
psychological_feature.n.01	21.88	24.01	21.54	21.64
communication.n.02	20.48	20.40	19.82	20.88
object.n.01	15.50	14.09	15.71	15.66
measure.n.02	12.98	13.06	13.51	12.65
attribute.n.02	7.24	6.63	6.27	7.93
causal_agent.n.01	6.50	6.23	7.21	6.14
group.n.01	6.41	6.63	6.77	6.15
matter.n.03	4.39	5.36	4.65	4.05
relation.n.01	3.60	2.98	3.46	3.81
process.n.06	0.53	0.36	0.57	0.54
thing.n.12	0.48	0.28	0.50	0.51
set.n.02	0.02	0.00	0.00	0.03
total	100.00	100.00	100.00	100.00
cognition.n.01	15.35	16.35	14.56	15.61
whole.n.02	13.18	12.37	13.64	13.07
event.n.01	13.04	15.34	13.14	12.50
definite_quantity.n.01	12.99	13.00	13.18	12.88
message.n.02	11.91	10.51	11.24	12.59
person.n.01	8.44	8.23	9.23	8.02
location.n.01	5.87	5.10	5.97	5.96
written_communication.n.01	4.78	4.14	4.20	5.26
substance.n.01	4.42	5.79	5.09	3.75
state.n.02	3.92	3.98	3.69	4.04
collection.n.01	3.49	3.34	3.35	3.60
part.n.01	2.62	1.86	2.71	2.72
total	100.00	100.00	100.00	100.00

TABLE S603. 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