

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

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

SI. MEASURES

A. General characteristics of activity distribution among participants

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 respect 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 respect to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 2

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	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 Erdős 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 respect to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 3

	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 Erdős 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 respect to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 7

	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 Erdős 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 respect to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 6

	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 Erdős 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 respect 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 Erdős 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 respect to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 9

	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 Erdős 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 respect to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 11

	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 Erdős 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 respect to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 10

	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 Erdős 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 respect 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 Erdős 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 respect to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 13

	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 Erdős 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 respect to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 16

	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 Erdős 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 respect to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 15

	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 Erdős 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 respect 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 Erdős 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 respect 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 Erdős 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 respect 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 Erdős 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 respect 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 Erdős 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 respect 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 Erdős 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 respect to the total quantity (100% for **g.**) while μ and σ denote mean and standard deviation. TAG: 3

B. Characters

1. Snapshots of 1000 messages

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

TABLE S20. Characters in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 0

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

TABLE S21. Characters in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 2

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

TABLE S22. Characters in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 3

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

TABLE S23. Characters in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 6

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

TABLE S24. Characters in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 7

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

TABLE S25. Characters in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 8

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

TABLE S26. Characters in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 9

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

TABLE S27. Characters in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 10

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

TABLE S28. Characters in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 11

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

TABLE S29. Characters in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 12

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

TABLE S30. Characters in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 13

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

TABLE S34. Characters in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 18

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

TABLE S31. Characters in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 15

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

TABLE S32. Characters in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 16

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

TABLE S35. Characters in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 19

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

TABLE S33. Characters in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 17

2. Snapshots of 2000 messages

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

TABLE S36. Characters in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 0

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

TABLE S37. Characters in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 2

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

TABLE S38. Characters in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 3

	g.	p.	i.	h.
<i>tokens</i>	120402	14760	39270	66374
<i>tokens%</i>	100.00	12.26	32.62	55.13
<i>tokens</i> \neq	6.90	16.17	11.08	8.83
<i>knownw</i>	35.19	33.35	35.60	35.36
<i>tokens</i> <i>knownw</i> \neq	10.01	28.86	17.43	13.89
<i>knownw</i> <i>stopw</i>	100.11	99.43	98.18	101.40
<i>knownw</i> <i>punct</i>	20.61	21.48	20.16	20.68
<i>tokens</i> <i>contrac</i> <i>tokens</i>	1.13	0.65	1.07	1.26
$\mu(\text{tokens})$	3.81	3.88	3.79	3.80
$\sigma(\text{tokens})$	2.86	3.14	2.87	2.79
$\mu(\text{knownw})$	5.70	5.79	5.63	5.72
$\sigma(\text{knownw})$	2.27	2.28	2.22	2.29
$\mu(\text{knownw} \neq)$	6.82	6.38	6.57	6.76
$\sigma(\text{knownw} \neq)$	2.57	2.41	2.45	2.52
$\mu(\text{stopw})$	2.75	2.67	2.70	2.80
$\sigma(\text{stopw})$	1.11	1.10	1.12	1.12

TABLE S39. Token sizes in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 0

	g.	p.	i.	h.
<i>tokens</i>	112920	20292	35087	57543
<i>tokens%</i>	100.00	17.97	31.07	50.96
<i>tokens</i> \neq	12.69	21.67	18.02	15.07
<i>knownw</i>	24.46	24.35	25.08	24.12
<i>tokens</i> <i>knownw</i> \neq	7.22	15.56	10.01	10.01
<i>knownw</i> <i>stopw</i>	34.72	29.72	33.40	37.33
<i>knownw</i> <i>punct</i>	29.31	29.50	28.44	29.77
<i>tokens</i> <i>contrac</i> <i>tokens</i>	0.07	0.08	0.03	0.09
$\mu(\text{tokens})$	3.89	3.66	3.99	3.91
$\sigma(\text{tokens})$	3.04	2.97	3.05	3.06
$\mu(\text{knownw})$	4.23	4.16	4.16	4.30
$\sigma(\text{knownw})$	2.19	2.20	2.15	2.22
$\mu(\text{knownw} \neq)$	5.62	5.14	5.13	5.52
$\sigma(\text{knownw} \neq)$	2.45	2.44	2.38	2.43
$\mu(\text{stopw})$	2.13	2.10	2.07	2.18
$\sigma(\text{stopw})$	0.96	0.98	0.92	0.98

TABLE S40. Token sizes in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 2

C. Tokens and words

1. Snapshots of 1000 messages

	g.	p.	i.	h.
<i>tokens</i>	174202	21314	87882	65006
<i>tokens%</i>	100.00	12.24	50.45	37.32
<i>tokens</i> \neq	4.99	13.41	6.97	7.45
<i>knownw</i>	34.81	34.91	32.79	37.50
<i>tokens</i> <i>knownw</i> \neq	7.66	22.59	11.65	12.04
<i>knownw</i> <i>stopw</i>	83.47	77.44	82.68	86.24
<i>knownw</i> <i>punct</i>	24.07	24.76	25.82	21.46
<i>tokens</i> <i>contrac</i>	0.94	0.95	0.90	1.00
<i>tokens</i>				
$\mu(\text{tokens})$	3.68	3.64	3.65	3.73
$\sigma(\text{tokens})$	2.97	2.97	3.12	2.74
$\mu(\text{knownw})$	5.49	5.51	5.44	5.54
$\sigma(\text{knownw})$	2.45	2.45	2.40	2.52
$\mu(\text{knownw} \neq)$	6.94	6.51	6.72	6.84
$\sigma(\text{knownw} \neq)$	2.55	2.50	2.46	2.55
$\mu(\text{stopw})$	2.75	2.66	2.73	2.80
$\sigma(\text{stopw})$	1.10	1.09	1.10	1.10

TABLE S41. Token sizes in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 3

	g.	p.	i.	h.
<i>tokens</i>	91013	14019	42962	34033
<i>tokens%</i>	100.00	15.40	47.20	37.39
<i>tokens</i> \neq	16.17	27.26	19.93	19.98
<i>knownw</i>	17.95	18.31	17.71	18.12
<i>tokens</i> <i>knownw</i> \neq	10.98	29.02	14.84	15.37
<i>knownw</i> <i>stopw</i>	36.02	33.62	34.77	38.55
<i>knownw</i> <i>punct</i>	29.38	29.87	29.54	28.97
<i>tokens</i> <i>contrac</i>	0.03	0.06	0.04	0.00
<i>tokens</i>				
$\mu(\text{tokens})$	4.02	3.92	3.99	4.10
$\sigma(\text{tokens})$	3.62	3.54	3.61	3.68
$\mu(\text{knownw})$	3.93	4.28	3.89	3.82
$\sigma(\text{knownw})$	2.13	2.33	2.10	2.07
$\mu(\text{knownw} \neq)$	5.51	5.17	5.23	5.16
$\sigma(\text{knownw} \neq)$	2.46	2.37	2.41	2.44
$\mu(\text{stopw})$	1.66	1.71	1.60	1.70
$\sigma(\text{stopw})$	0.97	0.96	0.97	0.97

TABLE S43. Token sizes in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 7

	g.	p.	i.	h.
<i>tokens</i>	229952	169421	24494	36037
<i>tokens%</i>	100.00	73.68	10.65	15.67
<i>tokens</i> \neq	8.28	9.79	10.74	9.64
<i>knownw</i>	32.85	33.24	29.87	33.05
<i>tokens</i> <i>knownw</i> \neq	12.10	14.80	17.11	16.42
<i>knownw</i> <i>stopw</i>	62.18	57.63	57.63	86.48
<i>knownw</i> <i>punct</i>	27.73	27.62	35.00	23.31
<i>tokens</i> <i>contrac</i>	0.39	0.25	0.42	1.04
<i>tokens</i>				
$\mu(\text{tokens})$	3.49	3.46	3.42	3.68
$\sigma(\text{tokens})$	2.69	2.60	3.15	2.76
$\mu(\text{knownw})$	5.30	5.27	5.11	5.55
$\sigma(\text{knownw})$	2.33	2.25	2.62	2.53
$\mu(\text{knownw} \neq)$	6.74	6.68	6.28	6.60
$\sigma(\text{knownw} \neq)$	2.41	2.37	2.51	2.46
$\mu(\text{stopw})$	2.75	2.77	2.57	2.76
$\sigma(\text{stopw})$	1.13	1.13	1.13	1.12

TABLE S42. Token sizes in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 6

	g.	p.	i.	h.
<i>tokens</i>	131580	33581	30536	67464
<i>tokens%</i>	100.00	25.52	23.21	51.27
<i>tokens</i> \neq	8.02	13.94	15.77	8.03
<i>knownw</i>	33.87	34.18	33.72	33.78
<i>tokens</i> <i>knownw</i> \neq	10.83	19.24	24.00	13.78
<i>knownw</i> <i>stopw</i>	83.36	44.58	96.11	97.14
<i>knownw</i> <i>punct</i>	24.84	31.17	19.20	24.24
<i>tokens</i> <i>contrac</i>	1.28	0.26	1.31	1.77
<i>tokens</i>				
$\mu(\text{tokens})$	3.58	3.58	3.81	3.47
$\sigma(\text{tokens})$	2.68	2.78	2.87	2.53
$\mu(\text{knownw})$	5.33	5.05	5.52	5.39
$\sigma(\text{knownw})$	2.25	2.33	2.22	2.21
$\mu(\text{knownw} \neq)$	6.62	6.22	6.42	6.57
$\sigma(\text{knownw} \neq)$	2.50	2.47	2.43	2.42
$\mu(\text{stopw})$	2.78	2.71	2.78	2.80
$\sigma(\text{stopw})$	1.12	1.10	1.11	1.13

TABLE S44. Token sizes in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 8

	g.	p.	i.	h.
<i>tokens</i>	162129	59648	61983	40499
<i>tokens</i> %	100.00	36.79	38.23	24.98
<i>tokens</i> \neq	6.20	10.39	9.53	9.10
<i>knownw</i>	34.97	34.07	34.98	36.28
<i>tokens</i> <i>knownw</i> \neq	7.98	14.83	13.65	15.80
<i>knownw</i> <i>stopw</i>	92.35	85.67	88.21	107.70
<i>knownw</i> <i>punct</i>	20.25	20.82	21.43	17.61
<i>tokens</i> <i>contrac</i>	1.06	0.65	0.78	2.08
<i>tokens</i>				
$\mu(\text{tokens})$	3.63	3.59	3.61	3.74
$\sigma(\text{tokens})$	2.59	2.65	2.61	2.49
$\mu(\text{knownw})$	5.74	5.73	5.68	5.86
$\sigma(\text{knownw})$	2.36	2.42	2.35	2.29
$\mu(\text{knownw} \neq)$	6.76	6.57	6.59	6.70
$\sigma(\text{knownw} \neq)$	2.61	2.58	2.52	2.49
$\mu(\text{stopw})$	2.73	2.69	2.71	2.81
$\sigma(\text{stopw})$	1.09	1.08	1.11	1.07

TABLE S45. Token sizes in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 9

	g.	p.	i.	h.
<i>tokens</i>	323628	19430	182163	122035
<i>tokens</i> %	100.00	6.00	56.29	37.71
<i>tokens</i> \neq	4.80	19.91	5.99	7.54
<i>knownw</i>	38.64	38.45	38.34	39.13
<i>tokens</i> <i>knownw</i> \neq	7.57	33.61	9.97	13.15
<i>knownw</i> <i>stopw</i>	100.77	93.00	95.39	109.86
<i>knownw</i> <i>punct</i>	14.55	17.36	15.48	12.70
<i>tokens</i> <i>contrac</i>	0.51	0.66	0.34	0.74
<i>tokens</i>				
$\mu(\text{tokens})$	3.90	3.97	3.82	4.02
$\sigma(\text{tokens})$	2.69	2.82	2.66	2.70
$\mu(\text{knownw})$	6.04	6.12	5.92	6.21
$\sigma(\text{knownw})$	2.54	2.62	2.53	2.52
$\mu(\text{knownw} \neq)$	7.35	6.94	7.20	7.27
$\sigma(\text{knownw} \neq)$	2.68	2.64	2.67	2.63
$\mu(\text{stopw})$	2.79	2.79	2.76	2.83
$\sigma(\text{stopw})$	1.08	1.07	1.07	1.10

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

	g.	p.	i.	h.
<i>tokens</i>	130342	21928	73975	34439
<i>tokens</i> %	100.00	16.82	56.75	26.42
<i>tokens</i> \neq	7.44	18.16	9.11	11.16
<i>knownw</i>	35.53	36.93	35.07	35.63
<i>tokens</i> <i>knownw</i> \neq	9.89	26.19	12.95	18.54
<i>knownw</i> <i>stopw</i>	92.11	77.92	94.75	95.88
<i>knownw</i> <i>punct</i>	20.06	21.39	19.69	19.99
<i>tokens</i> <i>contrac</i>	0.78	0.62	0.58	1.30
<i>tokens</i>				
$\mu(\text{tokens})$	3.98	4.06	4.02	3.86
$\sigma(\text{tokens})$	2.98	3.04	3.04	2.78
$\mu(\text{knownw})$	6.00	6.05	6.06	5.82
$\sigma(\text{knownw})$	2.64	2.73	2.67	2.53
$\mu(\text{knownw} \neq)$	6.86	6.60	6.74	6.66
$\sigma(\text{knownw} \neq)$	2.62	2.59	2.59	2.55
$\mu(\text{stopw})$	2.78	2.74	2.78	2.81
$\sigma(\text{stopw})$	1.07	1.07	1.07	1.05

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

	g.	p.	i.	h.
<i>tokens</i>	228756	49906	117956	60895
<i>tokens</i> %	100.00	21.82	51.56	26.62
<i>tokens</i> \neq	4.58	9.90	5.69	8.83
<i>knownw</i>	35.86	35.22	35.55	36.98
<i>tokens</i> <i>knownw</i> \neq	5.44	13.91	7.94	12.06
<i>knownw</i> <i>stopw</i>	71.92	72.03	71.93	71.82
<i>knownw</i> <i>punct</i>	26.63	27.23	27.41	24.62
<i>tokens</i> <i>contrac</i>	0.47	0.45	0.48	0.45
<i>tokens</i>				
$\mu(\text{tokens})$	3.82	3.78	3.79	3.89
$\sigma(\text{tokens})$	3.21	3.22	3.24	3.13
$\mu(\text{knownw})$	5.78	5.77	5.75	5.83
$\sigma(\text{knownw})$	2.37	2.34	2.40	2.34
$\mu(\text{knownw} \neq)$	6.92	6.62	6.86	6.89
$\sigma(\text{knownw} \neq)$	2.57	2.50	2.55	2.50
$\mu(\text{stopw})$	2.71	2.65	2.71	2.75
$\sigma(\text{stopw})$	1.08	1.07	1.09	1.08

TABLE S48. Token sizes in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 12

	g.	p.	i.	h.
<i>tokens</i>	222655	135698	10228	76730
<i>tokens%</i>	100.00	60.95	4.59	34.46
<i>tokens</i> \neq	19.97	28.75	20.24	8.65
<i>knownw</i>	27.19	21.83	29.93	36.31
<i>tokens</i> <i>knownw</i> \neq	11.41	14.55	34.86	13.63
<i>knownw</i> <i>stopw</i>	79.03	57.14	82.98	101.87
<i>knownw</i> <i>punct</i>	20.58	21.27	27.82	18.39
<i>tokens</i> <i>contrac</i> <i>tokens</i>	0.62	0.10	0.67	1.53
$\mu(\textit{tokens})$	3.97	4.01	3.86	3.91
$\sigma(\textit{tokens})$	3.62	3.95	3.81	2.92
$\mu(\textit{knownw})$	5.12	4.62	5.29	5.64
$\sigma(\textit{knownw})$	2.47	2.49	2.54	2.33
$\mu(\textit{knownw} \neq)$	6.62	6.07	6.27	6.98
$\sigma(\textit{knownw} \neq)$	2.61	2.56	2.50	2.52
$\mu(\textit{stopw})$	2.78	2.71	2.71	2.82
$\sigma(\textit{stopw})$	1.09	1.04	1.09	1.12

TABLE S49. Token sizes in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 13

	g.	p.	i.	h.
<i>tokens</i>	230098	75523	82216	72359
<i>tokens%</i>	100.00	32.82	35.73	31.45
<i>tokens</i> \neq	5.76	8.96	7.63	8.41
<i>knownw</i>	32.92	34.09	32.19	32.52
<i>tokens</i> <i>knownw</i> \neq	7.15	11.54	11.53	13.24
<i>knownw</i> <i>stopw</i>	69.00	47.57	74.68	86.07
<i>knownw</i> <i>punct</i>	29.62	33.77	28.97	26.03
<i>tokens</i> <i>contrac</i> <i>tokens</i>	0.68	0.29	0.80	0.95
$\mu(\textit{tokens})$	3.51	3.42	3.45	3.67
$\sigma(\textit{tokens})$	2.78	2.49	2.89	2.92
$\mu(\textit{knownw})$	5.12	4.99	4.99	5.43
$\sigma(\textit{knownw})$	2.45	2.28	2.55	2.50
$\mu(\textit{knownw} \neq)$	6.83	6.55	6.60	6.72
$\sigma(\textit{knownw} \neq)$	2.61	2.58	2.54	2.56
$\mu(\textit{stopw})$	2.77	2.76	2.74	2.80
$\sigma(\textit{stopw})$	1.13	1.12	1.14	1.13

TABLE S51. Token sizes in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 16

	g.	p.	i.	h.
<i>tokens</i>	197576	55523	120387	21666
<i>tokens%</i>	100.00	28.10	60.93	10.97
<i>tokens</i> \neq	6.59	12.62	7.24	16.05
<i>knownw</i>	35.68	36.91	35.11	35.72
<i>tokens</i> <i>knownw</i> \neq	8.43	17.64	10.36	26.55
<i>knownw</i> <i>stopw</i>	86.63	75.25	89.34	101.99
<i>knownw</i> <i>punct</i>	19.45	20.06	19.76	16.15
<i>tokens</i> <i>contrac</i> <i>tokens</i>	0.64	0.36	0.70	1.03
$\mu(\textit{tokens})$	3.65	3.69	3.63	3.62
$\sigma(\textit{tokens})$	2.57	2.59	2.58	2.46
$\mu(\textit{knownw})$	5.55	5.51	5.57	5.52
$\sigma(\textit{knownw})$	2.39	2.47	2.37	2.28
$\mu(\textit{knownw} \neq)$	6.81	6.61	6.73	6.51
$\sigma(\textit{knownw} \neq)$	2.60	2.58	2.55	2.45
$\mu(\textit{stopw})$	2.78	2.77	2.79	2.75
$\sigma(\textit{stopw})$	1.08	1.06	1.09	1.09

TABLE S50. Token sizes in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 15

	g.	p.	i.	h.
<i>tokens</i>	150379	16680	59346	74353
<i>tokens%</i>	100.00	11.09	39.46	49.44
<i>tokens</i> \neq	5.94	16.98	8.28	7.89
<i>knownw</i>	30.57	31.41	30.35	30.55
<i>tokens</i> <i>knownw</i> \neq	7.83	27.58	12.35	11.52
<i>knownw</i> <i>stopw</i>	70.72	67.88	67.77	73.71
<i>knownw</i> <i>punct</i>	29.22	28.62	29.79	28.90
<i>tokens</i> <i>contrac</i> <i>tokens</i>	0.57	0.64	0.48	0.63
$\mu(\textit{tokens})$	3.52	3.58	3.50	3.53
$\sigma(\textit{tokens})$	3.03	2.99	3.03	3.04
$\mu(\textit{knownw})$	5.32	5.63	5.28	5.28
$\sigma(\textit{knownw})$	2.25	2.43	2.21	2.24
$\mu(\textit{knownw} \neq)$	6.65	6.37	6.32	6.60
$\sigma(\textit{knownw} \neq)$	2.55	2.54	2.42	2.52
$\mu(\textit{stopw})$	2.74	2.70	2.74	2.76
$\sigma(\textit{stopw})$	1.08	1.10	1.09	1.07

TABLE S52. Token sizes in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 17

	g.	p.	i.	h.
<i>tokens</i>	202427	25044	48812	128572
<i>tokens%</i>	100.00	12.37	24.11	63.51
<i>tokens</i> \neq	6.31	14.25	13.04	6.46
<i>knownw</i>	34.41	33.69	33.82	34.78
<i>tokens</i> <i>knownw</i> \neq	8.17	24.19	17.68	9.77
<i>knownw</i> <i>stopw</i>	97.45	56.73	92.83	106.85
<i>knownw</i> <i>punct</i>	20.32	31.98	20.61	17.94
<i>tokens</i> <i>contrac</i> <i>tokens</i>	0.89	0.39	0.68	1.06
$\mu(\textit{tokens})$	3.69	3.27	3.69	3.78
$\sigma(\textit{tokens})$	2.61	2.50	2.62	2.63
$\mu(\textit{knownw})$	5.48	4.94	5.42	5.61
$\sigma(\textit{knownw})$	2.27	2.40	2.22	2.24
$\mu(\textit{knownw} \neq)$	6.86	6.34	6.49	6.88
$\sigma(\textit{knownw} \neq)$	2.59	2.55	2.49	2.53
$\mu(\textit{stopw})$	2.79	2.68	2.77	2.80
$\sigma(\textit{stopw})$	1.10	1.11	1.11	1.10

TABLE S53. Token sizes in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 18

	g.	p.	i.	h.
<i>tokens</i>	115469	21722	25301	68447
<i>tokens%</i>	100.00	18.81	21.91	59.28
<i>tokens</i> \neq	7.53	14.84	14.96	8.49
<i>knownw</i>	34.41	31.22	33.61	35.72
<i>tokens</i> <i>knownw</i> \neq	12.24	25.00	26.19	15.45
<i>knownw</i> <i>stopw</i>	107.64	71.41	102.54	119.46
<i>knownw</i> <i>punct</i>	19.49	31.70	20.79	15.13
<i>tokens</i> <i>contrac</i> <i>tokens</i>	1.55	0.73	1.41	1.86
$\mu(\textit{tokens})$	3.64	3.42	3.66	3.71
$\sigma(\textit{tokens})$	2.56	2.73	2.67	2.46
$\mu(\textit{knownw})$	5.61	5.22	5.52	5.75
$\sigma(\textit{knownw})$	2.35	2.52	2.30	2.30
$\mu(\textit{knownw} \neq)$	6.83	6.29	6.39	6.85
$\sigma(\textit{knownw} \neq)$	2.55	2.49	2.43	2.50
$\mu(\textit{stopw})$	2.72	2.66	2.69	2.74
$\sigma(\textit{stopw})$	1.12	1.11	1.14	1.11

TABLE S54. Token sizes in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 19

2. Snapshots of 2000 messages

	g.	p.	i.	h.
<i>tokens</i>	247648	24597	106857	116194
<i>tokens%</i>	100.00	9.93	43.15	46.92
<i>tokens</i> \neq	4.51	13.61	6.69	6.33
<i>knownw</i> <i>tokens</i> <i>knownw</i> \neq	35.66	34.84	35.34	36.12
<i>knownw</i> <i>stopw</i>	6.48	22.49	10.66	9.84
<i>knownw</i> <i>punct</i> <i>tokens</i> <i>contrac</i> <i>tokens</i>	98.11	90.54	97.56	100.15
$\mu(\text{tokens})$	21.23	24.02	21.65	20.26
$\sigma(\text{tokens})$	1.15	0.71	1.06	1.33
$\mu(\text{tokens})$	3.81	3.84	3.81	3.82
$\sigma(\text{tokens})$	2.81	2.97	2.85	2.75
$\mu(\text{knownw})$	5.73	5.86	5.73	5.70
$\sigma(\text{knownw})$	2.25	2.25	2.28	2.22
$\mu(\text{knownw} \neq)$	6.99	6.54	6.85	6.85
$\sigma(\text{knownw} \neq)$	2.53	2.40	2.53	2.46
$\mu(\text{stopw})$	2.76	2.72	2.72	2.79
$\sigma(\text{stopw})$	1.11	1.14	1.11	1.09

TABLE S55. Token sizes in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 0

	g.	p.	i.	h.
<i>tokens</i>	239130	31280	120073	87779
<i>tokens%</i>	100.00	13.08	50.21	36.71
<i>tokens</i> \neq	9.86	20.43	12.50	12.96
<i>knownw</i> <i>tokens</i> <i>knownw</i> \neq	23.86	24.60	24.20	23.14
<i>knownw</i> <i>stopw</i>	4.69	13.40	6.05	7.28
<i>knownw</i> <i>punct</i> <i>tokens</i> <i>contrac</i> <i>tokens</i>	34.68	33.74	34.21	35.69
$\mu(\text{tokens})$	29.79	29.42	28.97	31.05
$\sigma(\text{tokens})$	0.04	0.05	0.03	0.05
$\mu(\text{tokens})$	3.85	3.91	3.86	3.83
$\sigma(\text{tokens})$	3.04	3.21	3.01	3.02
$\mu(\text{knownw})$	4.12	4.03	4.10	4.18
$\sigma(\text{knownw})$	2.14	2.14	2.17	2.10
$\mu(\text{knownw} \neq)$	5.59	5.03	5.37	5.34
$\sigma(\text{knownw} \neq)$	2.41	2.32	2.34	2.37
$\mu(\text{stopw})$	2.06	2.10	2.04	2.08
$\sigma(\text{stopw})$	0.96	1.00	0.96	0.94

TABLE S56. Token sizes in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 2

	g.	p.	i.	h.
<i>tokens</i>	301821	48463	113581	139778
<i>tokens%</i>	100.00	16.06	37.63	46.31
<i>tokens</i> \neq	4.84	9.89	6.41	7.13
<i>knownw</i> <i>tokens</i> <i>knownw</i> \neq	35.21	35.30	34.09	36.09
<i>knownw</i> <i>stopw</i>	6.11	16.12	10.72	9.02
<i>knownw</i> <i>punct</i> <i>tokens</i> <i>contrac</i> <i>tokens</i>	82.01	82.66	82.48	81.44
$\mu(\text{tokens})$	23.30	23.53	24.64	22.14
$\sigma(\text{tokens})$	0.78	0.79	0.90	0.69
$\mu(\text{tokens})$	3.63	3.62	3.58	3.67
$\sigma(\text{tokens})$	2.76	2.84	2.80	2.70
$\mu(\text{knownw})$	5.52	5.51	5.47	5.56
$\sigma(\text{knownw})$	2.39	2.39	2.33	2.43
$\mu(\text{knownw} \neq)$	6.97	6.56	6.78	6.92
$\sigma(\text{knownw} \neq)$	2.58	2.47	2.49	2.56
$\mu(\text{stopw})$	2.78	2.72	2.74	2.84
$\sigma(\text{stopw})$	1.09	1.08	1.09	1.09

TABLE S57. Token sizes in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 3

D. Sizes of sentences

1. Snapshots of 1000 messages

	g.	p.	i.	h.
<i>sents</i>	4120	539	1382	2201
<i>sents%</i>	99.95	13.08	33.53	53.40
$\mu_S(\text{chars})$	133.10	126.55	129.10	137.10
$\sigma_S(\text{chars})$	126.94	171.78	125.59	113.99
$\mu_S(\text{tokens})$	29.27	27.39	28.44	30.22
$\sigma_S(\text{tokens})$	27.84	37.67	27.67	24.90
$\mu_S(\text{knownw})$	9.19	8.09	8.98	9.59
$\sigma_S(\text{knownw})$	8.03	8.04	8.36	7.78
$\mu_S(\text{stopw})$	9.06	7.72	8.60	9.68
$\sigma_S(\text{stopw})$	7.54	7.06	7.29	7.73
$\mu_S(\text{puncts})$	6.07	5.89	5.75	6.30
$\sigma_S(\text{puncts})$	9.86	14.84	9.47	8.46

TABLE S58. Sentences sizes in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 0

	g.	p.	i.	h.
<i>sents</i>	4915	731	1575	2611
<i>sents%</i>	99.96	14.87	32.03	53.10
$\mu_S(chars)$	103.83	117.72	103.22	100.22
$\sigma_S(chars)$	129.49	184.61	113.99	118.82
$\mu_S(tokens)$	22.98	27.76	22.28	22.04
$\sigma_S(tokens)$	32.36	52.56	25.25	28.39
$\mu_S(knownw)$	4.64	5.15	4.67	4.47
$\sigma_S(knownw)$	6.68	8.77	6.11	6.32
$\mu_S(stopw)$	1.63	1.68	1.59	1.65
$\sigma_S(stopw)$	2.39	2.45	2.21	2.47
$\mu_S(puncts)$	6.74	8.19	6.34	6.56
$\sigma_S(puncts)$	11.56	20.12	8.42	9.74

TABLE S59. Sentences sizes in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 2

	g.	p.	i.	h.
<i>sents</i>	3210	440	1629	1143
<i>sents%</i>	99.94	13.70	50.72	35.59
$\mu_S(chars)$	135.39	147.01	125.07	145.39
$\sigma_S(chars)$	170.46	196.89	152.37	182.34
$\mu_S(tokens)$	28.36	31.87	26.38	29.78
$\sigma_S(tokens)$	41.19	50.28	40.28	38.28
$\mu_S(knownw)$	4.31	4.65	3.89	4.77
$\sigma_S(knownw)$	7.15	8.17	6.27	7.84
$\mu_S(stopw)$	1.65	1.74	1.44	1.91
$\sigma_S(stopw)$	2.63	2.71	2.23	3.07
$\mu_S(puncts)$	8.34	9.53	7.80	8.63
$\sigma_S(puncts)$	14.88	18.21	15.28	12.65

TABLE S62. Sentences sizes in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 7

	g.	p.	i.	h.
<i>sents</i>	6349	687	2713	2951
<i>sents%</i>	99.97	10.82	42.72	46.47
$\mu_S(chars)$	121.48	134.05	143.13	98.56
$\sigma_S(chars)$	295.22	265.17	407.74	131.16
$\mu_S(tokens)$	27.44	31.03	32.40	22.03
$\sigma_S(tokens)$	64.87	64.41	87.63	31.12
$\mu_S(knownw)$	7.54	8.52	8.41	6.50
$\sigma_S(knownw)$	11.08	13.06	13.59	7.23
$\mu_S(stopw)$	6.82	7.07	7.53	6.11
$\sigma_S(stopw)$	7.03	7.12	7.60	6.31
$\mu_S(puncts)$	6.61	7.69	8.37	4.73
$\sigma_S(puncts)$	29.24	27.78	40.30	12.66

TABLE S60. Sentences sizes in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 3

	g.	p.	i.	h.
<i>sents</i>	3803	593	940	2272
<i>sents%</i>	99.95	15.58	24.70	59.71
$\mu_S(chars)$	149.07	238.10	150.95	124.93
$\sigma_S(chars)$	300.13	596.76	296.40	135.56
$\mu_S(tokens)$	34.61	56.66	32.49	29.71
$\sigma_S(tokens)$	73.83	152.94	58.44	37.79
$\mu_S(knownw)$	9.95	12.61	9.95	9.26
$\sigma_S(knownw)$	13.60	25.51	9.26	10.00
$\mu_S(stopw)$	8.68	7.55	9.39	8.67
$\sigma_S(stopw)$	7.61	8.12	8.08	7.21
$\mu_S(puncts)$	8.61	17.68	6.24	7.22
$\sigma_S(puncts)$	30.29	65.25	19.27	15.63

TABLE S63. Sentences sizes in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 8

	g.	p.	i.	h.
<i>sents</i>	5437	3650	454	1334
<i>sents%</i>	99.98	67.12	8.35	24.53
$\mu_S(chars)$	175.57	189.82	219.81	121.38
$\sigma_S(chars)$	619.75	730.80	476.71	150.16
$\mu_S(tokens)$	42.32	46.46	53.96	27.02
$\sigma_S(tokens)$	190.71	227.06	125.59	38.47
$\mu_S(knownw)$	11.92	13.21	14.41	7.52
$\sigma_S(knownw)$	34.37	39.97	31.66	8.68
$\mu_S(stopw)$	7.39	7.64	7.26	6.75
$\sigma_S(stopw)$	10.13	11.38	9.45	5.70
$\mu_S(puncts)$	11.76	12.86	18.89	6.30
$\sigma_S(puncts)$	79.99	95.05	55.31	16.28

TABLE S61. Sentences sizes in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 6

	g.	p.	i.	h.
<i>sents</i>	5013	2037	2002	976
<i>sents%</i>	99.96	40.62	39.92	19.46
$\mu_S(chars)$	143.27	128.28	135.70	189.77
$\sigma_S(chars)$	178.81	169.71	182.36	182.15
$\mu_S(tokens)$	32.36	29.30	30.97	41.52
$\sigma_S(tokens)$	44.13	44.20	44.98	40.85
$\mu_S(knownw)$	9.47	8.05	9.08	13.23
$\sigma_S(knownw)$	9.91	7.56	9.89	12.89
$\mu_S(stopw)$	9.20	7.32	8.24	15.06
$\sigma_S(stopw)$	9.71	7.08	7.64	14.70
$\mu_S(puncts)$	6.57	6.11	6.65	7.33
$\sigma_S(puncts)$	14.08	12.55	17.01	9.74

TABLE S64. Sentences sizes in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 9

	g.	p.	i.	h.
<i>sents</i>	4844	763	2720	1363
<i>sents%</i>	99.96	15.74	56.13	28.13
$\mu_S(chars)$	127.23	137.44	130.14	115.52
$\sigma_S(chars)$	114.59	131.74	118.14	94.36
$\mu_S(tokens)$	26.92	28.75	27.20	25.28
$\sigma_S(tokens)$	27.29	30.06	28.89	21.71
$\mu_S(knownw)$	8.15	8.84	8.19	7.68
$\sigma_S(knownw)$	7.37	10.14	7.13	5.78
$\mu_S(stopw)$	7.89	7.40	8.10	7.75
$\sigma_S(stopw)$	6.70	7.10	6.80	6.21
$\mu_S(puncts)$	5.40	6.16	5.36	5.06
$\sigma_S(puncts)$	10.99	10.96	12.47	7.14

TABLE S65. Sentences sizes in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 10

	g.	p.	i.	h.
<i>sents</i>	5874	2452	306	3118
<i>sents%</i>	99.97	41.73	5.21	53.06
$\mu_S(chars)$	187.94	282.64	154.22	116.65
$\sigma_S(chars)$	354.70	505.04	274.66	129.57
$\mu_S(tokens)$	37.92	55.36	33.44	24.62
$\sigma_S(tokens)$	99.14	147.21	56.28	27.32
$\mu_S(knownw)$	8.22	8.06	8.93	8.28
$\sigma_S(knownw)$	15.20	21.36	12.35	7.84
$\mu_S(stopw)$	7.12	5.94	7.28	8.03
$\sigma_S(stopw)$	6.62	7.08	6.46	6.10
$\mu_S(puncts)$	7.81	11.79	9.31	4.54
$\sigma_S(puncts)$	30.79	45.15	23.44	10.27

TABLE S68. Sentences sizes in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 13

	g.	p.	i.	h.
<i>sents</i>	13130	833	6892	5407
<i>sents%</i>	99.98	6.34	52.48	41.17
$\mu_S(chars)$	115.90	111.76	121.95	108.78
$\sigma_S(chars)$	92.48	90.72	96.30	87.04
$\mu_S(tokens)$	24.65	23.33	26.43	22.57
$\sigma_S(tokens)$	20.16	19.22	21.47	18.27
$\mu_S(knownw)$	7.77	7.12	7.93	7.65
$\sigma_S(knownw)$	6.13	5.75	6.36	5.86
$\mu_S(stopw)$	8.65	7.49	8.73	8.72
$\sigma_S(stopw)$	6.97	6.64	7.26	6.62
$\mu_S(puncts)$	3.59	4.06	4.10	2.87
$\sigma_S(puncts)$	5.13	5.06	5.43	4.63

TABLE S66. Sentences sizes in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 11

	g.	p.	i.	h.
<i>sents</i>	6905	1783	4291	832
<i>sents%</i>	99.99	25.82	62.13	12.05
$\mu_S(chars)$	128.75	139.01	126.28	119.32
$\sigma_S(chars)$	194.42	219.77	180.42	204.84
$\mu_S(tokens)$	28.62	31.15	28.06	26.04
$\sigma_S(tokens)$	46.00	55.23	43.37	36.11
$\mu_S(knownw)$	8.23	8.55	8.07	8.34
$\sigma_S(knownw)$	10.53	12.56	9.90	8.79
$\mu_S(stopw)$	7.55	6.96	7.61	8.51
$\sigma_S(stopw)$	7.32	6.67	7.20	8.93
$\mu_S(puncts)$	5.57	6.26	5.55	4.21
$\sigma_S(puncts)$	14.95	21.77	12.52	5.14

TABLE S69. Sentences sizes in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 15

	g.	p.	i.	h.
<i>sents</i>	6941	1345	3513	2085
<i>sents%</i>	99.97	19.37	50.60	30.03
$\mu_S(chars)$	154.12	165.13	158.12	140.14
$\sigma_S(chars)$	326.55	405.63	335.89	241.78
$\mu_S(tokens)$	32.96	37.12	33.58	29.21
$\sigma_S(tokens)$	77.23	109.27	76.76	46.91
$\mu_S(knownw)$	10.00	10.90	10.29	8.91
$\sigma_S(knownw)$	19.45	24.14	20.86	12.18
$\mu_S(stopw)$	7.40	8.11	7.45	6.85
$\sigma_S(stopw)$	6.93	8.15	6.57	6.62
$\mu_S(puncts)$	8.78	10.11	9.21	7.20
$\sigma_S(puncts)$	37.58	51.13	39.09	20.90

TABLE S67. Sentences sizes in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 12

	g.	p.	i.	h.
<i>sents</i>	6341	1405	2256	2682
<i>sents%</i>	99.97	22.15	35.57	42.28
$\mu_S(chars)$	151.62	213.86	153.17	117.59
$\sigma_S(chars)$	511.97	985.81	311.60	160.41
$\mu_S(tokens)$	36.31	53.80	36.47	26.99
$\sigma_S(tokens)$	147.33	279.67	98.63	43.73
$\mu_S(knownw)$	10.34	15.07	10.44	7.76
$\sigma_S(knownw)$	46.02	89.27	28.20	12.02
$\mu_S(stopw)$	7.16	7.30	7.60	6.70
$\sigma_S(stopw)$	7.25	8.51	7.03	6.65
$\mu_S(puncts)$	10.77	18.20	10.58	7.03
$\sigma_S(puncts)$	66.12	124.84	46.35	17.92

TABLE S70. Sentences sizes in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 16

	g.	p.	i.	h.
<i>sents</i>	3392	453	1213	1728
<i>sents%</i>	99.94	13.35	35.74	50.91
$\mu_S(chars)$	184.48	154.14	201.62	180.18
$\sigma_S(chars)$	381.98	223.24	352.66	430.77
$\mu_S(tokens)$	44.34	36.84	48.93	43.03
$\sigma_S(tokens)$	103.33	60.92	92.80	117.95
$\mu_S(knownw)$	11.30	9.32	12.13	11.23
$\sigma_S(knownw)$	19.15	12.42	17.91	21.29
$\mu_S(stopw)$	8.50	6.85	8.92	8.64
$\sigma_S(stopw)$	8.71	6.23	10.27	8.00
$\mu_S(puncts)$	12.96	10.55	14.58	12.44
$\sigma_S(puncts)$	47.48	26.79	39.22	56.16

TABLE S71. Sentences sizes in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 17

	g.	p.	i.	h.
<i>sents</i>	6904	455	1645	4806
<i>sents%</i>	99.97	6.59	23.82	69.59
$\mu_S(chars)$	132.47	216.70	136.31	123.12
$\sigma_S(chars)$	207.68	501.24	216.42	146.15
$\mu_S(tokens)$	29.34	55.06	29.68	26.77
$\sigma_S(tokens)$	53.74	150.99	44.17	35.39
$\mu_S(knownw)$	9.01	15.73	8.75	8.46
$\sigma_S(knownw)$	13.78	38.50	10.26	9.57
$\mu_S(stopw)$	8.85	9.27	8.41	8.96
$\sigma_S(stopw)$	8.24	9.76	8.17	8.10
$\mu_S(puncts)$	5.98	17.62	6.12	4.82
$\sigma_S(puncts)$	22.63	69.44	15.62	13.48

TABLE S72. Sentences sizes in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 18

	g.	p.	i.	h.
<i>sents</i>	4374	475	880	3021
<i>sents%</i>	99.95	10.85	20.11	69.04
$\mu_S(chars)$	116.40	186.35	126.84	102.28
$\sigma_S(chars)$	172.52	404.92	128.96	107.02
$\mu_S(tokens)$	26.41	45.77	28.76	22.66
$\sigma_S(tokens)$	48.50	125.24	29.91	24.55
$\mu_S(knownw)$	8.09	11.78	8.60	7.36
$\sigma_S(knownw)$	9.75	18.95	8.49	7.58
$\mu_S(stopw)$	8.58	8.98	8.62	8.50
$\sigma_S(stopw)$	8.20	8.87	7.84	8.19
$\mu_S(puncts)$	5.15	14.53	5.98	3.43
$\sigma_S(puncts)$	21.86	61.78	10.51	6.48

TABLE S73. Sentences sizes in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 19

2. Snapshots of 2000 messages

	g.	p.	i.	h.
<i>sents</i>	8490	890	3761	3841
<i>sents%</i>	99.98	10.48	44.29	45.23
$\mu_S(\text{chars})$	133.76	126.93	130.88	138.08
$\sigma_S(\text{chars})$	340.18	171.07	489.13	121.23
$\mu_S(\text{tokens})$	29.20	27.71	28.42	30.30
$\sigma_S(\text{tokens})$	65.82	39.36	93.20	26.61
$\mu_S(\text{knownw})$	9.36	8.52	9.07	9.84
$\sigma_S(\text{knownw})$	12.30	7.84	15.98	8.35
$\mu_S(\text{stopw})$	9.06	7.47	8.62	9.85
$\sigma_S(\text{stopw})$	8.48	6.78	9.09	8.11
$\mu_S(\text{puncts})$	6.23	6.71	6.16	6.18
$\sigma_S(\text{puncts})$	28.34	18.95	40.65	8.61

TABLE S74. Sentences sizes in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 0

	g.	p.	i.	h.
<i>sents</i>	10286	1406	5036	3846
<i>sents%</i>	99.98	13.67	48.95	37.38
$\mu_S(\text{chars})$	104.54	101.43	107.50	101.76
$\sigma_S(\text{chars})$	191.10	110.46	169.28	235.94
$\mu_S(\text{tokens})$	23.25	22.25	23.85	22.83
$\sigma_S(\text{tokens})$	47.09	26.81	40.94	58.92
$\mu_S(\text{knownw})$	4.59	4.48	4.76	4.42
$\sigma_S(\text{knownw})$	7.20	5.92	7.71	6.93
$\mu_S(\text{stopw})$	1.59	1.46	1.65	1.56
$\sigma_S(\text{stopw})$	2.40	2.29	2.51	2.29
$\mu_S(\text{puncts})$	6.93	6.55	6.91	7.09
$\sigma_S(\text{puncts})$	17.77	10.00	15.35	22.35

TABLE S75. Sentences sizes in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 2

	g.	p.	i.	h.
<i>sents</i>	12233	1919	4209	6107
<i>sents%</i>	99.98	15.68	34.40	49.91
$\mu_S(\text{chars})$	106.32	109.28	114.71	99.56
$\sigma_S(\text{chars})$	181.89	137.90	201.03	179.78
$\mu_S(\text{tokens})$	24.68	25.26	26.99	22.89
$\sigma_S(\text{tokens})$	48.90	34.66	54.45	48.59
$\mu_S(\text{knownw})$	7.00	7.16	7.43	6.65
$\sigma_S(\text{knownw})$	9.88	7.99	9.90	10.38
$\mu_S(\text{stopw})$	6.04	6.17	6.41	5.73
$\sigma_S(\text{stopw})$	6.29	6.06	6.08	6.48
$\mu_S(\text{puncts})$	5.75	5.94	6.66	5.07
$\sigma_S(\text{puncts})$	20.63	13.97	23.75	20.03

TABLE S76. Sentences sizes in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 3

E. Messages

1. Snapshots of 1000 messages

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

TABLE S77. Messages sizes in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 0

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

TABLE S78. Messages sizes in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 2

	g.	p.	i.	h.
<i>msgs</i>	1000	115	348	537
<i>msgs%</i>	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 S79. Messages sizes in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 3

	g.	p.	i.	h.
<i>msgs</i>	848	496	90	262
<i>msgs%</i>	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 S80. Messages sizes in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 6

	g.	p.	i.	h.
<i>msgs</i>	998	121	467	410
<i>msgs%</i>	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 S81. Messages sizes in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 7

	g.	p.	i.	h.
<i>msgs</i>	987	128	315	544
<i>msgs%</i>	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 S82. Messages sizes in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 8

	g.	p.	i.	h.
<i>msgs</i>	997	373	340	284
<i>msgs%</i>	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 S83. Messages sizes in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 9

	g.	p.	i.	h.
<i>msgs</i>	1000	171	484	345
<i>msgs%</i>	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 S84. Messages sizes in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 10

	g.	p.	i.	h.
<i>msgs</i>	1000	99	337	564
<i>msgs%</i>	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 S85. Messages sizes in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 11

	g.	p.	i.	h.
<i>msgs</i>	995	190	639	166
<i>msgs%</i>	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 S88. Messages sizes in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 15

	g.	p.	i.	h.
<i>msgs</i>	995	246	481	268
<i>msgs%</i>	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 S86. Messages sizes in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 12

	g.	p.	i.	h.
<i>msgs</i>	970	142	381	447
<i>msgs%</i>	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 S89. Messages sizes in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 16

	g.	p.	i.	h.
<i>msgs</i>	960	402	68	490
<i>msgs%</i>	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 S87. Messages sizes in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 13

	g.	p.	i.	h.
<i>msgs</i>	1000	109	318	573
<i>msgs%</i>	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 S90. Messages sizes in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 17

	g.	p.	i.	h.
<i>msgs</i>	996	91	259	646
<i>msgs%</i>	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 S91. Messages sizes in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 18

	g.	p.	i.	h.
<i>msgs</i>	999	119	299	581
<i>msgs%</i>	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 S92. Messages sizes in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 19

2. Snapshots of 2000 messages

	g.	p.	i.	h.
<i>msgs</i>	2000	186	822	992
<i>msgs%</i>	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 S93. Messages sizes in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 0

	g.	p.	i.	h.
<i>msgs</i>	1978	277	956	745
<i>msgs%</i>	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 S94. Messages sizes in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 2

	g.	p.	i.	h.
<i>msgs</i>	2000	274	636	1090
<i>msgs%</i>	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 S95. Messages sizes in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 3

F. POS tags

1. Snapshots of 1000 messages

	g.	p.	i.	h.
NOUN	25.93	26.14	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	11.83	11.65	12.01
VERB	21.95	22.19	21.96	21.89
ADJ	5.76	5.54	5.76	5.81
ADV	7.46	6.88	7.24	7.71
PRT	3.97	4.38	3.94	3.89
PRON	6.92	7.03	7.27	6.69
NUM	0.59	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 S96. POS tags in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags⁷: 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	66.26	68.07	68.44	64.31
X	0.22	0.23	0.25	0.19
ADP	10.92	8.86	11.08	11.52
DET	4.89	4.07	4.72	5.27
VERB	8.61	8.91	7.76	9.03
ADJ	2.28	3.20	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	1.44	0.91	1.15
CONJ	0.32	0.31	0.22	0.38
PUNC	0.00	0.00	0.00	0.00

TABLE S97. POS tags in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags⁷ : 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	31.89	30.74	30.03
X	0.13	0.13	0.17	0.08
ADP	11.89	11.48	12.20	11.63
DET	11.22	10.32	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	5.80	5.96	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 S98. POS tags in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags⁷ : 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	38.79	37.05	28.71
X	0.12	0.13	0.16	0.06
ADP	9.40	8.90	9.29	11.49
DET	9.39	9.22	8.41	10.60
VERB	20.44	19.91	19.62	22.99
ADJ	6.53	6.61	6.62	6.19
ADV	5.40	5.46	4.04	5.91
PRT	2.59	2.34	2.58	3.62
PRON	5.71	5.27	6.82	6.86
NUM	1.17	0.91	3.36	1.10
CONJ	2.43	2.48	2.05	2.46
PUNC	0.00	0.00	0.00	0.00

TABLE S99. POS tags in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags⁷ : 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	56.40	54.26	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	12.51	14.72	15.24
VERB	9.65	12.30	8.99	9.38
ADJ	7.82	7.96	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 S100. POS tags in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags⁷ : 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	29.48	50.17	25.24	23.74
X	0.22	0.77	0.11	0.06
ADP	11.36	8.18	12.04	12.24
DET	10.26	8.06	11.50	10.51
VERB	21.12	14.56	22.56	22.90
ADJ	5.57	5.44	5.39	5.70
ADV	7.91	3.28	8.34	9.43
PRT	3.64	2.53	4.10	3.85
PRON	6.54	4.31	6.67	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 S101. POS tags in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags⁷ : 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	31.03	29.94	25.39
X	0.17	0.22	0.16	0.13
ADP	11.97	11.09	11.46	13.74
DET	11.52	11.10	11.46	12.12
VERB	21.76	21.54	21.35	22.58
ADJ	5.64	5.64	6.01	5.14
ADV	6.13	5.40	6.17	6.97
PRT	3.74	3.70	3.86	3.61
PRON	6.22	6.19	6.05	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 S102. POS tags in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags⁷ : 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	31.27	27.43	24.41
X	0.45	0.57	0.43	0.40
ADP	12.51	12.06	12.88	12.00
DET	11.52	10.65	12.02	10.98
VERB	21.56	20.17	20.86	23.88
ADJ	6.93	7.46	6.91	6.64
ADV	6.23	5.32	6.21	6.80
PRT	3.80	3.21	3.75	4.24
PRON	6.32	5.51	6.05	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 S103. POS tags in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags⁷ : 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	27.92	28.60	23.87
X	0.30	0.33	0.30	0.29
ADP	14.64	14.18	15.05	14.15
DET	13.35	13.12	13.24	13.52
VERB	18.52	18.73	17.58	19.77
ADJ	7.60	7.57	7.73	7.42
ADV	6.95	6.69	6.43	7.69
PRT	2.97	2.50	2.82	3.23
PRON	5.31	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 S104. POS tags in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags⁷ : 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	36.22	35.20	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	4.78	4.75	4.79	4.78
PRT	3.35	3.20	3.38	3.42
PRON	4.84	4.56	5.16	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 S105. POS tags in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags⁷ : 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	29.74	24.21
X	0.41	0.72	0.09	0.19
ADP	11.11	9.60	11.46	12.33
DET	11.02	10.30	10.62	11.66
VERB	18.35	12.49	22.53	22.79
ADJ	5.82	5.45	5.98	6.12
ADV	6.40	3.70	6.30	8.64
PRT	3.07	2.52	3.32	3.50
PRON	5.68	4.12	6.43	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 S106. POS tags in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags⁷ : 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	38.90	29.86	26.69
X	0.15	0.35	0.08	0.06
ADP	11.47	10.43	11.68	12.83
DET	11.57	10.71	11.81	12.29
VERB	21.13	18.83	21.98	22.03
ADJ	4.89	4.54	4.97	5.24
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 S107. POS tags in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags⁷ : 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	49.76	32.28	28.41
X	0.63	0.94	0.67	0.33
ADP	10.53	8.22	10.97	12.05
DET	9.62	7.84	9.88	10.90
VERB	20.13	15.75	21.13	22.88
ADJ	4.93	4.10	5.17	5.40
ADV	6.16	3.76	6.76	7.60
PRT	3.36	2.51	3.95	3.46
PRON	5.07	3.98	5.73	5.33
NUM	1.04	1.11	1.02	1.01
CONJ	2.39	2.04	2.43	2.63
PUNC	0.00	0.00	0.00	0.00

TABLE S108. POS tags in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags⁷ : 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	34.67	36.42	35.74	33.45
X	0.11	0.14	0.10	0.11
ADP	10.41	10.59	10.06	10.64
DET	9.52	8.75	9.37	9.81
VERB	21.88	21.08	22.02	21.95
ADJ	5.79	5.33	5.84	5.85
ADV	5.71	5.17	5.61	5.90
PRT	3.18	3.26	3.17	3.17
PRON	5.32	5.56	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 S109. POS tags in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags⁷ : 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	23.66	37.11	24.27	20.55
X	0.07	0.13	0.13	0.04
ADP	12.04	10.88	11.91	12.33
DET	11.37	8.68	11.05	12.06
VERB	23.69	19.74	23.75	24.52
ADJ	6.00	5.72	6.12	6.02
ADV	7.52	5.25	7.18	8.12
PRT	4.04	3.19	3.73	4.33
PRON	7.88	5.48	8.08	8.34
NUM	0.73	1.02	0.64	0.70
CONJ	2.99	2.80	3.14	2.98
PUNC	0.00	0.00	0.00	0.00

TABLE S111. POS tags in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags⁷ : 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

	g.	p.	i.	h.
NOUN	26.72	42.93	28.29	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	17.03	21.59	22.25
ADJ	6.31	6.37	6.25	6.33
ADV	7.49	5.11	7.32	7.89
PRT	3.86	2.57	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 S110. POS tags in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Universal POS tags⁷ : 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

2. Snapshots of 2000 messages

	g.	p.	i.	h.
NOUN	26.96	28.91	27.05	26.50
X	0.11	0.12	0.05	0.16
ADP	11.76	10.71	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	5.90	5.54
ADV	7.14	6.47	6.82	7.56
PRT	4.03	3.60	4.23	3.95
PRON	6.45	6.06	6.67	6.34
NUM	0.61	0.53	0.64	0.60
CONJ	3.06	2.90	2.97	3.17
PUNC	0.00	0.00	0.00	0.00

TABLE S112. POS tags in each Erdős 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	69.78	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	4.27	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 S113. POS tags in each Erdős 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	30.12	29.88	29.61
X	0.12	0.12	0.21	0.05
ADP	11.19	11.39	11.29	11.04
DET	10.92	10.48	10.19	11.62
VERB	21.65	21.34	21.64	21.76
ADJ	6.91	6.79	6.37	7.36
ADV	6.55	6.01	6.73	6.59
PRT	3.76	3.69	3.70	3.84
PRON	5.91	6.33	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 S114. POS tags in each Erdős 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. Wordnet synsets

1. Snapshots of 1000 messages

	g.	p.	i.	h.
N	54.73	54.68	54.14	55.09
ADJ	11.33	11.00	11.14	11.51
VERB	6.33	6.03	5.92	6.65
ADV	27.61	28.28	28.80	26.75
POS	32.80	31.20	33.19	32.92
POS!	96.28	96.20	96.27	96.29

TABLE S115. 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 Erdős 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 S116. Counts for the most incident synsets at the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 0

	g.	p.	i.	h.
abstraction.n.06	72.61	73.72	71.38	73.10
physical_entity.n.01	27.39	26.28	28.62	26.90
total	100.00	100.00	100.00	100.00

TABLE S117. Counts for the most incident synsets one step from the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 0

	g.	p.	i.	h.
psychological_feature.n.01	21.89	24.02	21.56	21.64
communication.n.02	20.47	20.40	19.81	20.88
object.n.01	15.50	14.09	15.71	15.66
measure.n.02	12.98	13.06	13.50	12.65
attribute.n.02	7.24	6.63	6.28	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	5.32	4.63	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 S118. Counts for the most incident synsets two step from the semantic roots in each Erdős 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	13.16	12.50
definite_quantity.n.01	12.99	13.00	13.16	12.88
message.n.02	11.91	10.51	11.24	12.59
person.n.01	8.44	8.23	9.24	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	4.41	5.79	5.07	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 S119. Counts for the most incident synsets three step from the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 0

	g.	p.	i.	h.
N	87.54	86.76	89.05	86.90
ADJ	3.26	4.26	2.68	3.24
VERB	0.33	0.26	0.17	0.45
ADV	8.88	8.73	8.11	9.41
POS	22.52	22.93	22.42	22.44
POS!	96.32	95.68	96.34	96.55

TABLE S120. 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 Erdős 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 S121. Counts for the most incident synsets at the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 2

	g.	p.	i.	h.
abstraction.n.06	64.40	63.64	62.39	65.94
physical_entity.n.01	35.60	36.36	37.61	34.06
total	100.00	100.00	100.00	100.00

TABLE S122. Counts for the most incident synsets one step from the semantic roots in each Erdős 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	17.07	18.58	17.92	16.00
psychological_feature.n.01	16.36	13.40	16.75	17.18
measure.n.02	11.85	14.94	8.72	12.69
causal_agent.n.01	9.52	7.80	9.96	9.85
object.n.01	8.59	9.41	9.39	7.80
attribute.n.02	7.97	10.11	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 S123. Counts for the most incident synsets two step from the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 2

	g.	p.	i.	h.
message.n.02	23.95	17.86	25.54	25.06
substance.n.01	15.74	18.11	16.15	14.67
definite_quantity.n.01	11.47	14.64	8.73	12.09
event.n.01	11.00	9.96	11.31	11.17
person.n.01	10.15	8.54	10.50	10.49
whole.n.02	7.39	7.99	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 S124. Counts for the most incident synsets three step from the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 2

	g.	p.	i.	h.
N	59.89	60.12	61.10	58.31
ADJ	10.45	10.18	10.30	10.73
VERB	5.14	4.34	4.88	5.70
ADV	24.52	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 S125. 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 Erdős 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 S126. Counts for the most incident synsets at the semantic roots in each Erdős 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 S127. Counts for the most incident synsets one step from the semantic roots in each Erdős 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 S128. Counts for the most incident synsets two step from the semantic roots in each Erdős 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	17.52	15.85	15.24	21.13
whole.n.02	13.89	16.34	12.16	15.38
person.n.01	8.57	9.34	8.06	9.00
message.n.02	6.86	10.20	6.47	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	3.24	3.12	3.22	3.32
total	100.00	100.00	100.00	100.00

TABLE S129. Counts for the most incident synsets three step from the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 3

	g.	p.	i.	h.
N	63.16	63.94	65.33	58.18
ADJ	10.16	9.99	10.07	11.02
VERB	4.14	4.28	2.25	4.65
ADV	22.54	21.80	22.34	26.15
POS	32.20	32.44	29.91	32.61
POS!	90.97	90.02	92.75	94.47

TABLE S130. 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 Erdős 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 S131. Counts for the most incident synsets at the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 6

	g.	p.	i.	h.
abstraction.n.06	67.30	67.17	69.54	66.45
physical_entity.n.01	32.70	32.83	30.46	33.55
total	100.00	100.00	100.00	100.00

TABLE S132. Counts for the most incident synsets one step from the semantic roots in each Erdős 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	16.21	14.39	18.97
psychological_feature.n.01	14.20	12.66	17.44	19.83
attribute.n.02	13.83	16.64	4.93	5.57
communication.n.02	13.76	14.05	9.57	15.22
matter.n.03	7.17	7.65	8.19	4.02
causal_agent.n.01	6.62	6.34	5.58	8.79
group.n.01	5.33	5.85	4.18	3.44
relation.n.01	3.56	3.93	3.03	2.08
thing.n.12	1.53	1.52	1.92	1.33
process.n.06	0.94	1.12	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 S133. Counts for the most incident synsets two step from the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 6

	g.	p.	i.	h.
definite_quantity.n.01	17.70	14.35	34.60	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	8.15	7.94	6.55	10.26
cognition.n.01	8.05	7.07	9.58	11.62
substance.n.01	7.60	8.16	8.99	3.98
location.n.01	6.93	7.30	6.77	5.32
message.n.02	6.21	5.44	5.07	10.66
signal.n.01	5.54	7.37	0.30	0.60
state.n.02	4.18	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 S134. Counts for the most incident synsets three step from the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 6

	g.	p.	i.	h.
N	83.39	81.53	84.31	83.07
ADJ	9.77	9.00	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 S135. 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 Erdős 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 S136. Counts for the most incident synsets at the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 7

	g.	p.	i.	h.
abstraction.n.06	70.20	73.66	69.46	69.56
physical_entity.n.01	29.80	26.34	30.54	30.44
total	100.00	100.00	100.00	100.00

TABLE S137. Counts for the most incident synsets one step from the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 7

	g.	p.	i.	h.
measure.n.02	23.38	33.05	22.93	19.43
communication.n.02	20.64	17.30	20.43	22.48
object.n.01	12.53	13.17	12.46	12.32
attribute.n.02	12.08	9.65	11.95	13.38
matter.n.03	9.30	6.34	10.17	9.54
psychological_feature.n.01	7.00	6.71	7.11	6.98
causal_agent.n.01	6.46	5.11	6.53	7.00
group.n.01	4.62	4.09	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 S138. Counts for the most incident synsets two step from the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 7

	g.	p.	i.	h.
definite_quantity.n.01	24.93	35.00	24.85	20.45
written_communication.n.01	18.51	13.93	18.93	20.05
whole.n.02	11.08	12.51	11.06	10.45
shape.n.02	9.74	7.14	9.61	11.09
substance.n.01	8.65	5.77	9.12	9.34
person.n.01	5.81	5.03	5.70	6.31
event.n.01	5.17	4.94	5.26	5.16
social_group.n.01	4.49	2.88	4.58	5.09
state.n.02	3.27	3.67	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	2.79	2.32	2.93
total	100.00	100.00	100.00	100.00

TABLE S139. Counts for the most incident synsets three step from the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 7

	g.	p.	i.	h.
N	58.79	74.99	55.27	52.55
ADJ	10.09	8.15	10.32	10.93
VERB	7.05	2.33	7.70	9.04
ADV	24.07	14.54	26.71	27.48
POS	32.49	31.70	33.31	32.51
POS!	94.77	92.58	94.88	95.81

TABLE S140. 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 Erdős 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 S141. Counts for the most incident synsets at the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 8

	g.	p.	i.	h.
abstraction.n.06	67.39	68.46	66.16	67.24
physical_entity.n.01	32.61	31.54	33.84	32.76
total	100.00	100.00	100.00	100.00

TABLE S142. Counts for the most incident synsets one step from the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 8

	g.	p.	i.	h.
measure.n.02	22.88	17.28	24.48	25.97
object.n.01	21.17	17.57	23.75	22.41
communication.n.02	13.53	17.02	10.89	12.41
psychological_feature.n.01	13.33	8.55	16.28	15.20
attribute.n.02	9.52	16.38	6.90	6.03
matter.n.03	6.26	8.51	4.20	5.70
group.n.01	5.28	6.80	5.05	4.34
causal_agent.n.01	4.13	4.32	4.91	3.62
relation.n.01	2.85	2.43	2.56	3.28
process.n.06	0.56	0.60	0.60	0.52
thing.n.12	0.49	0.54	0.37	0.51
total	100.00	100.00	100.00	100.00

TABLE S143. Counts for the most incident synsets two step from the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 8

	g.	p.	i.	h.
definite_quantity.n.01	23.27	14.47	25.59	27.81
whole.n.02	21.81	15.43	24.60	24.57
event.n.01	9.33	6.16	11.40	10.38
cognition.n.01	7.08	5.08	8.25	7.80
substance.n.01	6.38	9.16	4.49	5.51
message.n.02	6.23	4.16	6.29	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	5.26	4.67	3.37
written_communication.n.01	3.57	3.26	4.07	3.53
state.n.02	3.48	2.93	3.65	3.73
total	100.00	100.00	100.00	100.00

TABLE S144. Counts for the most incident synsets three step from the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 8

	g.	p.	i.	h.
N	59.96	61.65	60.48	56.66
ADJ	10.30	10.26	10.61	9.88
VERB	4.74	3.62	4.92	6.11
ADV	24.99	24.47	23.98	27.34
POS	34.04	33.85	34.40	33.78
POS!	91.77	89.60	93.04	93.13

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 Erdős 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 S146. Counts for the most incident synsets at the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 9

	g.	p.	i.	h.
abstraction.n.06	70.91	69.83	72.34	70.27
physical_entity.n.01	29.09	30.17	27.66	29.73
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 Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 9

	g.	p.	i.	h.
measure.n.02	20.50	23.19	21.91	13.83
communication.n.02	17.50	16.16	16.77	20.84
psychological_feature.n.01	16.33	15.20	16.14	18.46
object.n.01	16.20	15.42	15.70	18.32
group.n.01	8.13	7.61	8.51	8.34
causal_agent.n.01	7.03	8.48	6.40	5.72
attribute.n.02	6.29	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 S148. Counts for the most incident synsets two step from the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 9

	g.	p.	i.	h.
definite_quantity.n.01	21.68	24.95	23.07	14.06
whole.n.02	13.86	13.27	12.72	16.76
event.n.01	12.36	12.35	11.86	13.22
message.n.02	9.15	8.55	8.75	10.78
person.n.01	8.04	10.01	7.20	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	3.25	2.56	3.88	3.31
state.n.02	3.23	3.15	3.53	2.83
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 Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 9

	g.	p.	i.	h.
N	56.35	59.23	57.54	51.90
ADJ	12.98	13.44	13.00	12.62
VERB	5.64	4.83	5.48	6.54
ADV	25.03	22.50	23.98	28.94
POS	34.29	35.13	34.06	34.22
POS!	95.65	95.28	95.77	95.64

TABLE S150. 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 Erdős 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 S151. Counts for the most incident synsets at the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 10

	g.	p.	i.	h.
abstraction.n.06	74.15	73.31	74.41	74.17
physical_entity.n.01	25.85	26.69	25.59	25.83
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 Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 10

	g.	p.	i.	h.
communication.n.02	25.32	24.69	24.15	28.56
psychological_feature.n.01	17.57	16.74	18.07	17.01
measure.n.02	16.95	15.86	17.80	15.75
object.n.01	10.30	11.55	10.46	8.99
causal_agent.n.01	8.58	8.70	9.24	6.93
matter.n.03	6.07	5.70	5.01	8.87
attribute.n.02	5.43	6.97	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 S153. Counts for the most incident synsets two step from the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 10

	g.	p.	i.	h.
definite_quantity.n.01	15.54	14.41	16.47	14.17
event.n.01	14.28	14.50	13.97	14.86
message.n.02	12.87	13.31	11.82	15.05
person.n.01	11.00	11.29	11.74	9.01
cognition.n.01	8.71	7.76	9.51	7.48
whole.n.02	7.47	7.67	7.95	6.17
substance.n.01	6.41	6.45	5.57	8.41
indication.n.01	5.73	5.08	5.50	6.79
location.n.01	5.40	6.80	5.08	5.13
language.n.01	5.05	4.58	5.89	3.39
fundamental_quantity.n.01	3.89	4.41	3.86	3.60
written_communication.n.01	3.64	3.74	2.65	5.95
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 Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 10

	g.	p.	i.	h.
N	56.31	57.67	58.82	52.33
ADJ	15.07	14.48	14.96	15.33
VERB	7.08	6.95	6.55	7.91
ADV	21.53	20.91	19.68	24.43
POS	37.05	36.59	37.17	36.94
POS!	95.60	94.99	95.42	95.96

TABLE S155. Percentage of synsets with each of the POS tags used by Wordnet. The last lines give the percentage of words considered from all of the tokens (POS) and from the words with synset (POS!). The tokens not considered are punctuations, unrecognized words, words without synsets, stopwords and words for which Wordnet has no synset tagged with POS tags. Values for each Erdős 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 S156. Counts for the most incident synsets at the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 11

	g.	p.	i.	h.
abstraction.n.06	69.95	69.62	67.25	74.56
physical_entity.n.01	30.05	30.38	32.75	25.44
total	100.00	100.00	100.00	100.00

TABLE S157. Counts for the most incident synsets one step from the semantic roots in each Erdős 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	19.09	16.11	20.73
measure.n.02	14.71	15.89	16.13	12.09
object.n.01	13.09	12.58	14.13	11.41
causal_agent.n.01	9.36	11.56	9.58	8.62
relation.n.01	6.87	6.41	7.05	6.65
attribute.n.02	5.93	5.85	5.62	6.47
group.n.01	5.71	4.22	5.72	5.96
matter.n.03	5.22	4.83	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 S158. Counts for the most incident synsets two step from the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 11

	g.	p.	i.	h.
definite_quantity.n.01	14.47	15.13	16.49	10.87
cognition.n.01	13.49	11.42	11.41	17.47
person.n.01	12.11	14.73	12.25	11.41
event.n.01	10.75	11.33	9.92	12.07
location.n.01	7.80	6.40	9.00	5.97
whole.n.02	7.62	8.55	7.33	7.96
part.n.01	6.90	6.24	7.21	6.49
language.n.01	6.64	6.30	6.49	6.95
message.n.02	6.62	7.49	6.32	6.99
substance.n.01	5.66	4.27	6.97	3.63
written_communication.n.01	4.69	4.74	3.53	6.68
fundamental_quantity.n.01	3.26	3.40	3.09	3.52
total	100.00	100.00	100.00	100.00

TABLE S159. Counts for the most incident synsets three step from the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 11

	g.	p.	i.	h.
N	61.95	63.99	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	24.19	25.24	26.10
POS	33.08	33.09	32.57	34.07
POS!	95.99	94.85	96.66	95.69

TABLE S160. 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 Erdős 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 S161. Counts for the most incident synsets at the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 12

	g.	p.	i.	h.
abstraction.n.06	65.96	67.12	65.58	65.70
physical_entity.n.01	34.04	32.88	34.42	34.30
total	100.00	100.00	100.00	100.00

TABLE S162. Counts for the most incident synsets one step from the semantic roots in each Erdős 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	14.68	13.21	14.88	15.55
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	6.86
attribute.n.02	6.06	5.71	6.36	5.80
matter.n.03	3.16	2.71	3.38	3.13
relation.n.01	2.99	3.19	2.93	2.92
thing.n.12	0.53	0.72	0.51	0.42
process.n.06	0.53	0.29	0.64	0.52
set.n.02	0.00	0.00	0.00	0.01
total	100.00	100.00	100.00	100.00

TABLE S163. Counts for the most incident synsets two step from the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 12

	g.	p.	i.	h.
event.n.01	22.04	23.58	21.43	21.88
whole.n.02	16.85	16.57	16.24	18.20
definite_quantity.n.01	11.27	13.77	11.02	9.65
cognition.n.01	8.82	9.38	8.90	8.21
person.n.01	7.94	6.75	8.39	8.13
message.n.02	7.75	6.19	8.11	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	3.46	3.87	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 S164. Counts for the most incident synsets three step from the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 12

	g.	p.	i.	h.
N	65.33	78.68	58.75	50.99
ADJ	10.05	7.87	10.57	12.45
VERB	4.82	2.10	4.06	7.97
ADV	19.80	11.35	26.63	28.59
POS	26.11	21.58	28.66	33.77
POS!	93.55	91.90	92.67	95.59

TABLE S165. 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 Erdős 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 S166. Counts for the most incident synsets at the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 13

	g.	p.	i.	h.
abstraction.n.06	65.36	60.73	75.97	72.04
physical_entity.n.01	34.64	39.27	24.03	27.96
total	100.00	100.00	100.00	100.00

TABLE S167. Counts for the most incident synsets one step from the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 13

	g.	p.	i.	h.
measure.n.02	20.33	22.07	31.17	15.88
object.n.01	16.08	17.02	12.01	14.96
psychological_feature.n.01	15.00	10.35	17.76	22.74
communication.n.02	12.91	10.73	12.59	16.75
matter.n.03	10.38	13.69	6.09	5.14
attribute.n.02	9.07	9.90	6.50	7.95
causal_agent.n.01	6.80	7.24	4.12	6.40
group.n.01	4.70	4.68	4.24	4.80
relation.n.01	3.34	3.00	3.66	3.89
thing.n.12	0.89	0.93	0.64	0.86
process.n.06	0.49	0.38	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 S168. Counts for the most incident synsets two step from the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 13

	g.	p.	i.	h.
definite_quantity.n.01	22.18	24.32	35.12	16.40
whole.n.02	14.22	14.13	12.65	14.59
event.n.01	10.56	8.24	13.32	14.58
substance.n.01	10.26	13.15	6.85	5.28
cognition.n.01	8.40	4.51	9.38	15.60
person.n.01	8.14	8.14	5.28	8.54
property.n.02	6.08	7.46	2.90	3.90
location.n.01	5.37	6.09	2.31	4.43
message.n.02	4.56	3.33	6.03	6.69
signal.n.01	4.06	5.38	0.67	2.02
written_communication.n.01	3.53	1.93	4.54	6.41
substance.n.07	2.64	3.33	0.97	1.56
total	100.00	100.00	100.00	100.00

TABLE S169. Counts for the most incident synsets three step from the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). 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	23.30	21.00	23.78	26.65
POS	35.11	35.22	35.18	34.40
POS!	93.54	94.79	93.25	91.99

TABLE S170. 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 Erdős 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 S171. Counts for the most incident synsets at the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 15

	g.	p.	i.	h.
abstraction.n.06	65.82	65.10	66.57	63.41
physical_entity.n.01	34.18	34.90	33.43	36.59
total	100.00	100.00	100.00	100.00

TABLE S172. Counts for the most incident synsets one step from the semantic roots in each Erdős 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	20.18
object.n.01	15.72	15.89	15.18	18.59
psychological_feature.n.01	14.73	14.79	14.64	15.13
causal_agent.n.01	11.16	11.25	11.52	8.69
communication.n.02	10.76	12.44	9.77	11.67
attribute.n.02	8.97	9.11	8.79	9.64
group.n.01	5.37	6.59	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 S173. Counts for the most incident synsets two step from the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 15

	g.	p.	i.	h.
definite_quantity.n.01	22.37	18.00	24.78	20.63
whole.n.02	15.47	14.27	15.37	19.94
person.n.01	13.67	14.16	13.81	11.15
event.n.01	12.95	13.27	12.68	13.74
cognition.n.01	5.99	5.87	6.00	6.35
substance.n.01	5.20	6.45	4.43	6.26
state.n.02	4.82	5.40	4.51	4.93
message.n.02	4.72	4.72	4.68	5.06
fundamental_quantity.n.01	4.29	3.82	4.93	1.67
location.n.01	4.26	5.53	3.58	4.68
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 S174. Counts for the most incident synsets three step from the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 15

	g.	p.	i.	h.
N	65.42	77.22	60.81	56.35
ADJ	8.22	5.57	9.39	10.11
VERB	4.17	2.04	4.71	6.12
ADV	22.19	15.16	25.08	27.42
POS	31.20	34.46	29.46	29.77
POS!	94.12	95.15	93.11	94.05

TABLE S175. 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 Erdős 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 S176. Counts for the most incident synsets at the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 16

	g.	p.	i.	h.
abstraction.n.06	70.25	72.62	69.34	67.43
physical_entity.n.01	29.75	27.38	30.66	32.57
total	100.00	100.00	100.00	100.00

TABLE S177. Counts for the most incident synsets one step from the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 16

	g.	p.	i.	h.
measure.n.02	22.32	16.99	30.43	21.31
communication.n.02	18.13	25.33	10.71	15.20
object.n.01	17.34	16.45	17.69	18.41
psychological_feature.n.01	12.96	8.55	15.21	17.54
attribute.n.02	9.75	14.45	5.63	6.98
matter.n.03	6.61	6.66	6.59	6.57
causal_agent.n.01	4.65	3.45	5.31	5.82
group.n.01	3.94	3.81	4.87	3.01
relation.n.01	3.16	3.49	2.50	3.39
thing.n.12	0.71	0.40	0.66	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 S178. Counts for the most incident synsets two step from the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 16

	g.	p.	i.	h.
definite_quantity.n.01	24.09	17.56	33.93	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	9.54	12.94
substance.n.01	6.82	6.87	6.64	6.95
property.n.02	6.56	12.47	2.18	1.95
cognition.n.01	6.14	3.58	8.22	7.92
location.n.01	6.06	9.76	3.39	3.06
person.n.01	5.41	3.95	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	3.02	3.45	4.64
total	100.00	100.00	100.00	100.00

TABLE S179. Counts for the most incident synsets three step from the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 16

	g.	p.	i.	h.
N	62.98	65.94	62.18	62.89
ADJ	9.31	8.01	9.54	9.43
VERB	3.72	3.47	3.70	3.79
ADV	24.00	22.58	24.57	23.89
POS	30.52	32.32	29.55	30.89
POS!	92.75	95.03	92.45	92.46

TABLE S180. 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 Erdős 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 S181. Counts for the most incident synsets at the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 17

	g.	p.	i.	h.
abstraction.n.06	64.41	66.91	63.84	64.22
physical_entity.n.01	35.59	33.09	36.16	35.78
total	100.00	100.00	100.00	100.00

TABLE S182. Counts for the most incident synsets one step from the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 17

	g.	p.	i.	h.
measure.n.02	22.91	23.80	22.37	23.10
object.n.01	20.04	21.24	19.00	20.53
psychological_feature.n.01	15.92	16.63	15.05	16.40
communication.n.02	11.20	12.63	11.76	10.43
causal_agent.n.01	8.87	7.37	9.51	8.76
attribute.n.02	7.55	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 S183. Counts for the most incident synsets two step from the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 17

	g.	p.	i.	h.
definite_quantity.n.01	24.06	25.45	22.95	24.56
whole.n.02	19.02	20.69	17.99	19.38
event.n.01	11.84	12.89	12.40	11.17
person.n.01	10.03	8.36	10.86	9.82
cognition.n.01	6.79	6.66	5.24	7.99
message.n.02	6.18	6.36	6.78	5.68
substance.n.01	6.03	2.86	7.66	5.59
location.n.01	3.84	3.23	4.03	3.84
state.n.02	3.67	4.86	3.50	3.51
written_communication.n.01	3.47	3.93	3.69	3.20
shape.n.02	2.61	1.77	2.38	2.99
collection.n.01	2.45	2.93	2.54	2.27
total	100.00	100.00	100.00	100.00

TABLE S184. Counts for the most incident synsets three step from the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 17

	g.	p.	i.	h.
N	56.19	71.61	56.95	52.63
ADJ	12.07	8.89	11.67	12.89
VERB	6.81	3.60	6.35	7.67
ADV	24.93	15.91	25.04	26.81
POS	32.94	35.75	32.14	32.70
POS!	95.54	95.29	94.63	95.93

TABLE S185. 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 Erdős 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 S186. Counts for the most incident synsets at the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 18

	g.	p.	i.	h.
abstraction.n.06	68.59	61.50	71.79	69.36
physical_entity.n.01	31.41	38.50	28.21	30.64
total	100.00	100.00	100.00	100.00

TABLE S187. Counts for the most incident synsets one step from the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 18

	g.	p.	i.	h.
communication.n.02	19.74	19.38	19.64	19.88
object.n.01	19.19	24.70	16.17	18.81
measure.n.02	17.16	14.36	20.05	16.81
psychological_feature.n.01	16.05	9.56	17.46	17.36
attribute.n.02	8.43	11.55	7.82	7.77
matter.n.03	5.20	8.23	4.58	4.57
causal_agent.n.01	4.83	3.52	5.26	5.03
group.n.01	4.49	3.71	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	0.80	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 S188. Counts for the most incident synsets two step from the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 18

	g.	p.	i.	h.
whole.n.02	17.85	24.14	14.39	17.26
definite_quantity.n.01	17.36	14.62	20.23	17.08
event.n.01	12.45	7.21	14.42	13.31
cognition.n.01	8.10	4.21	8.34	9.23
message.n.02	7.35	4.20	7.15	8.42
location.n.01	6.15	5.08	5.93	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	5.44	8.35	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	12.42	1.92	1.95
total	100.00	100.00	100.00	100.00

TABLE S189. Counts for the most incident synsets three step from the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 18

	g.	p.	i.	h.
N	50.76	65.96	50.30	46.59
ADJ	12.33	9.59	12.56	13.03
VERB	6.91	3.17	6.30	8.19
ADV	30.00	21.28	30.85	32.19
POS	32.18	29.89	31.24	33.26
POS!	96.08	95.32	96.10	96.29

TABLE S190. 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 Erdős 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 S191. Counts for the most incident synsets at the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 19

	g.	p.	i.	h.
abstraction.n.06	71.95	69.55	68.22	74.31
physical_entity.n.01	28.05	30.45	31.78	25.69
total	100.00	100.00	100.00	100.00

TABLE S192. Counts for the most incident synsets one step from the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 19

	g.	p.	i.	h.
psychological_feature.n.01	18.80	14.77	16.29	21.37
measure.n.02	15.96	19.13	15.46	14.86
communication.n.02	14.51	18.06	13.83	13.33
object.n.01	13.57	13.46	16.72	12.43
group.n.01	10.55	6.21	11.32	12.02
attribute.n.02	8.63	8.52	8.27	8.82
causal_agent.n.01	7.67	4.50	8.83	8.52
matter.n.03	5.43	11.32	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 S193. Counts for the most incident synsets two step from the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 19

	g.	p.	i.	h.
definite_quantity.n.01	16.12	22.15	15.61	13.99
event.n.01	14.52	12.14	12.61	16.18
whole.n.02	12.31	12.30	15.79	10.97
cognition.n.01	9.32	7.45	7.43	10.78
person.n.01	9.25	5.79	10.58	10.08
message.n.02	8.83	9.73	7.90	8.85
collection.n.01	7.68	3.91	8.05	8.99
substance.n.01	5.69	12.70	5.21	3.17
state.n.02	5.43	2.85	5.46	6.42
location.n.01	3.87	4.41	3.68	3.74
social_group.n.01	3.61	2.69	3.96	3.83
written_communication.n.01	3.35	3.88	3.71	3.01
total	100.00	100.00	100.00	100.00

TABLE S194. Counts for the most incident synsets three step from the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 19

2. Snapshots of 2000 messages

	g.	p.	i.	h.
N	56.00	56.84	55.68	56.11
ADJ	11.39	11.67	11.75	11.00
VERB	5.80	4.84	5.49	6.29
ADV	26.81	26.65	27.08	26.60
POS	33.33	33.49	33.24	33.37
POS!	96.05	95.82	96.11	96.05

TABLE S195. 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 Erdős 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 S196. Counts for the most incident synsets at the semantic roots in each Erdős 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 S197. Counts for the most incident synsets one step from the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 0

	g.	p.	i.	h.
psychological_feature.n.01	22.81	24.95	23.11	22.08
communication.n.02	19.72	20.09	18.27	20.97
object.n.01	15.43	12.42	15.77	15.76
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	7.15
causal_agent.n.01	6.56	6.12	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 S198. Counts for the most incident synsets two step from the semantic roots in each Erdős 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	16.96	12.13	11.91
definite_quantity.n.01	11.44	13.45	12.25	10.24
message.n.02	10.70	11.74	9.69	11.40
person.n.01	8.50	7.75	8.39	8.76
location.n.01	5.99	4.78	6.04	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 S199. Counts for the most incident synsets three step from the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 0

	g.	p.	i.	h.
N	89.12	89.85	88.81	89.30
ADJ	2.85	2.40	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	22.01	22.40	21.93
POS!	95.60	95.08	95.35	96.14

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 Erdős sectors are in the columns **p.** for periphery, **i.** for intermediary, **h.** for hubs. TAG: 2

	g.	p.	i.	h.
message.n.02	22.76	23.37	21.74	23.97
substance.n.01	15.88	17.20	16.18	14.99
definite_quantity.n.01	13.51	11.63	14.20	13.22
person.n.01	10.48	9.98	10.31	10.89
event.n.01	10.28	10.83	10.47	9.82
whole.n.02	8.18	8.14	8.54	7.70
cognition.n.01	5.99	5.98	5.46	6.74
property.n.02	5.04	4.82	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 S204. Counts for the most incident synsets three step from the semantic roots in each Erdős sector (**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 S201. Counts for the most incident synsets at the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 2

	g.	p.	i.	h.
abstraction.n.06	62.96	62.20	62.04	64.53
physical_entity.n.01	37.04	37.80	37.96	35.47
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 Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 2

	g.	p.	i.	h.
communication.n.02	24.22	24.98	23.40	25.09
matter.n.03	17.61	19.00	18.06	16.48
psychological_feature.n.01	15.09	15.63	14.77	15.33
measure.n.02	13.94	11.99	14.37	14.05
causal_agent.n.01	9.90	9.55	9.82	10.14
object.n.01	9.17	8.74	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 S203. Counts for the most incident synsets two step from the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 2

	g.	p.	i.	h.
N	57.64	58.43	58.70	56.54
ADJ	12.30	12.26	11.26	13.13
VERB	5.18	4.39	5.03	5.58
ADV	24.87	24.92	25.00	24.76
POS	33.82	34.28	33.13	34.22
POS!	93.24	94.19	92.79	93.27

TABLE S205. 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 Erdős 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 S206. Counts for the most incident synsets at the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). Yes. TAG: 3

	g.	p.	i.	h.
abstraction.n.06	70.13	70.16	69.75	70.44
physical_entity.n.01	29.87	29.84	30.25	29.56
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 Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 3

	g.	p.	i.	h.
psychological_feature.n.01	20.49	20.22	18.65	22.09
measure.n.02	18.63	18.44	20.90	16.85
object.n.01	17.84	17.64	17.63	18.08
communication.n.02	17.05	18.35	17.05	16.59
causal_agent.n.01	7.59	7.09	8.44	7.08
attribute.n.02	6.27	6.68	5.93	6.40
relation.n.01	4.44	3.68	4.12	4.96
matter.n.03	3.39	4.03	3.30	3.23
group.n.01	3.25	2.79	3.08	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 S208. Counts for the most incident synsets two step from the semantic roots in each Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 3

	g.	p.	i.	h.
definite_quantity.n.01	19.75	19.62	22.05	17.90
event.n.01	18.38	17.75	16.70	19.99
whole.n.02	13.06	12.76	12.39	13.72
person.n.01	9.14	7.89	10.19	8.74
cognition.n.01	7.13	7.22	6.40	7.69
message.n.02	6.85	8.03	7.16	6.16
written_communication.n.01	5.54	5.50	4.60	6.33
location.n.01	5.23	4.20	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	3.28	2.33	2.73
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 Erdős sector (**p.** for periphery, **i.** for intermediary, **h.** for hubs). TAG: 3

H. Differentiation of the texts from Erdős sectors

1. Snapshots of 1000 messages

2. Snapshots of 2000 messages