### Socio-technical analysis result ( LibreOffice )

												•														
	range.date		devs	ml.only.devs	code.only.devs	ml.code.devs	perc.ml.only.devs	perc.code.only.devs	perc.ml.code.devs	sponsored.devs	ratio.sponsored	sponsored.core.devs	ratio.sponsored.core	num.tz	core.global.devs	core.mail.devs	${\rm core.code.devs}$	org.silo	prima.donnas	radio.silence	black.cloud	missing.links	ţ		communicability	global.turnover code.turnover
1	2013-06 -	2013-09	275	120	78	77	0.4364	0.2836	0.2800	37	0.1345	2	0.0129	24	78	69	48	392	$^{2}$	93	0	807	0.150	5 - 0.73'	74 - 0.00	0000.0000
2	2013-09 -	2013-12	240	90	90	60	0.3750	0.3750	0.2500	35	0.1458	8	0.0533	28	82	52	56	682	4	66	0	901	0.117	5  0.729	96 - 0.54	0.4525
3	2013-12 -	2014-03	240	90	88	62	0.3750	0.3667	0.2583	23	0.0958	4	0.0267	26	76	53	54	943	0	60	0	1306	0.070	5 - 0.629	98 0.43	33 0.3400
4	2014-03 -	2014-06	224	85	84	55	0.3795	0.3750	0.2455	34	0.1518	0	0.0000	27	61	54	43	754	0	43	0	987	0.082	7 0.633	36 0.49	0.4567
5	2014-06 -	2014-09	212	76	80	56	0.3585	0.3774	0.2642	27	0.1274	0	0.0000	28	63	50	43	569	2	61	0	778	0.092	2 0.69	0.45	587 0.3709
6	2014-09 -	2014-12	197	71	71	55	0.3604	0.3604	0.2792	25	0.1269	0	0.0000	36	61	47	38	355	5	49	0	593	0.167	1 0.713	37 0.48	390 0.4351
7	2014-12 -		224	83	88	53	0.3705	0.3929	0.2366	36	0.1607	2	0.0142	30	68	44	41	397	0	53	0	537	0.143			
8	2015-03 -	2015-05	223	82	91	50	0.3677	0.4081	0.2242	45	0.2018	3	0.0213	32	61	40	44	507	0	70	0	661	0.133			
9	2015-05 -	2015-08	182	70	57	55	0.3846	0.3132	0.3022	18	0.0989	2	0.0179	33	60	46	38	337	0	49	0	489	0.187	7 0.68	46 0.60	
10	2015-08 -	2015-11	214	74	79	61	0.3458	0.3692	0.2850	28	0.1308	1	0.0071	36	63	47	45	485	0	33	0	717	0.111	5 0.65	14 0.35	0.2857
11	2015-11 -		250	97	72	81	0.3880	0.2880	0.3240	40	0.1600	2	0.0131	32	68	51	43	283	6	102	1	504	0.138			
12	2016-02 -	2016-05	238	93	82	63	0.3908	0.3445	0.2647	17	0.0714	2	0.0138	35	67	44	46	426	0	83	2	609	0.097			
	r																									
	core.global.turnover	core.mail.turnover	core.code.turnover		ratio.smelly.quitters		ratio.smelly.devs	global.truck	mail.truck	code.truck	closeness.centr		betweenness.centr	degree.centr	global.mod		mail.mod		code.mod	density	ly core devs	code.only.core.devs	ml.code.core.devs	ratio.mail.only.core	ratio.code.only.core	ratio.ml.code.core
1	o 0000 core.global.turnover	.mail.turnov	000000 core.code.turnover		smelly.quitters		ratio.smelly.devs	global.truck	mail.truck		.centr	0.10	betweenness.centr	degree.centr	pom	0	pom·liem 4072	0.46			mail.onlv.core.devs		ml.code.core.devs	mail.only.core		
1 2		core.mail.turnov	core	0.0	ratio.smelly.quitters		ratio.smelly.devs	global.truck	mail.truck	903	closeness.centr	0.103	betweenness.centr 0.30	48 degree.centr	global.mod	B 0.	mail		57	density	mail.only.core.devs	1 23	25 ml.code.core.devs	ratio.mail.only.core	ratio.code.only.core	ratio.ml.code.core
	0.0000	00000 core.mail.turnov	0.000.0	0.0	2500 ratio.smelly.quitters	0.63	satio.smelly.devs 27 0.71 42 0.65	883 869 860 883 860 860 860 860 860 860 860 860 860 860	8.0 794 0.0 794 0.0 794	903 267	closeness.centr		Detweenness central petweenness central petweenness central contral co	degree.centr	pom:[eqo]5	B 0. B 0.	Te H 4072	0.46	57 84	0.0419	34 mail only core devs	1 23 1 38	ml.code.core.devs	282 ratio.mail.only.core	0.2500 ratio.code.only.core	ratio.ml.code.core
	0.0000 0.4125	0.0000 0.5289	0.0000 0.4038	0.0	288 288 288 288 288 288	0.63 0.65	satio.smelly.devs 27 0.71 42 0.65 92 0.68	833 0.66 833 0.66	mail:truck 0.0 633 0.6 0.0 653	903 267 400	closeness.centr.	0.104	Documents of the control of the cont	rtuer eerste de	0.4273 0.3886	3 0. 3 0. 2 0.	4072 2987	0.46 0.38	57 84 40	0.0419 0.0553	67 34 34 34 36 38 36 36 36 36 36 36 36 36 36 36 36 36 36	1 23 1 38 3 37	25 18 17	ratio.mail.only.core	0.2500 0.4222	ratio.ml.code.core
	0.0000 0.4125 0.3165	0.0000 0.5289 0.3619	0.0000 0.4038 0.2909	0.0 0.5 0.5 0.4	288 288 288 288 288 288	0.63: 0.65- 0.62:	samella: decided a series of the series of t	7 No. 10	97 0.6 533 0.6 513 0.6 443 0.6 212 0.6	903 267 400 906	Closeness. centr. 0.0076 0.0089 0.0089	0.104 $0.123$	0.30 13 0.30 14 0.36 15 0.38	degree:centr 31 552 774	0.4273 0.3886 0.5132	B 0. B 0. C 0. C 0.	4072 2987 3688	0.46 0.38 0.51	57 84 40 52	0.0419 0.0553 0.0662	6 36 36 36 36 36 36 36 36 36 36 36 36 36	1 23 1 38 5 37 6 25	25 18 17	ratio.mail.only.core 0.4783 0.3778 0.4000	0.2500 0.4222 0.4111	20.2717 0.2000 0.1889
	0.0000 0.4125 0.3165 0.4672	0.0000 0.5289 0.3619 0.4486	0.0000 0.4038 0.2909 0.4124	0.0 0.5 0.5 0.4 0.4	000 57 58 57 737	0.63 0.65 0.62 0.59	samellà:devs 27 0.71 42 0.65 92 0.68 38 0.72 92 0.70	National State	97 0.6 533 0.6 513 0.6 443 0.6 212 0.6	903 267 400 906 838	0.0076 0.0089 0.0089 0.0093	0.104 0.123 0.143	0.30 13 0.30 14 0.39 14 0.31	rtuen degree centr. 1844 331 352 374 379	0.4273 0.3886 0.5132 0.2907	3 0. 3 0. 2 0. 7 0. 0 0.	4072 2987 3688 4294	0.46 0.38 0.51 0.30	57 84 40 52 69	0.0419 0.0553 0.0662 0.0555	6 36 36 36 36 36 36 36 36 36 36 36 36 36	1 23 1 38 3 37 3 25 1 27	25 18 17 18	0.4783 0.3778 0.4000 0.4557	0.2500 0.4222 0.4111 0.3165	0.2717 0.2000 0.1889 0.2278
1 2 3 4 5 6	0.0000 0.4125 0.3165 0.4672 0.2097	0.0000 0.5289 0.3619 0.4486 0.3077	0.0000 0.4038 0.2909 0.4124 0.1395	0.0 0.5 0.5 0.4 0.4	000 57 737 500 505 500	0.63 0.65 0.62 0.59 0.67	samplification of the state of	7 0.66 7 0.62 7 0.63 7 0.64 7 0.64 7 0.64 7 0.65 7 0.65	H97 0.6 533 0.6 513 0.6 143 0.6 212 0.6 270 0.6	903 267 400 906 838 984	0.0076 0.0089 0.0089 0.0093 0.0097	0.104 0.123 0.144 0.133	Detweenness: central petweenness: central petweenne	184 1852 174 179	0.4273 0.3886 0.5132 0.2907 0.3460	3 0. 3 0. 5 0. 7 0. 0 0. 5 0.	4072 2987 3688 4294 3634	0.46 0.38 0.51 0.30 0.34	57 84 40 52 69 80	0.0419 0.0553 0.0662 0.0555 0.0534	34 34 36 36 4 344 25 4 25 4 25 4 25 4 25 4 25 4 25	1 23 4 38 6 37 6 25 4 27 6 16	25 18 17 18 16	0.4783 0.3778 0.4000 0.4557 0.4416	0.2500 0.4222 0.4111 0.3165 0.3506	0.2717 0.2000 0.1889 0.2278 0.2078
1 2 3 4 5 6 7 8	0.0000 0.4125 0.3165 0.4672 0.2097 0.4839	0.0000 0.5289 0.3619 0.4486 0.3077 0.4124	0.0000 0.4038 0.2909 0.4124 0.1395 0.5679	0.0 0.5 0.5 0.4 0.4 0.6 0.4	000 385 737 500 300	0.63 0.65 0.62 0.59 0.67 0.61	sappide sappid sappide sappide sappide sappide sappide sappide sappide sappide	7 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	197 0.6 533 0.6 513 0.6 143 0.6 212 0.6 270 0.6 765 0.7	903 267 400 906 838 984 092	0.0076 0.0089 0.0089 0.0093 0.0097 0.0089	0.104 0.123 0.144 0.134 0.096	30.30 13 0.30 14 0.30 14 0.31 14 0.31 15 0.38 16 0.38 17 0.38 18 0.38 19 0.38 19 0.38 10 0.	rstup degree centr. 184   184   185   184   185	0.4273 0.3886 0.5132 0.2907 0.3460 0.2165	3 0. 3 0. 3 0. 7 0. 7 0. 9 0. 6 0. 6 0.	4072 2987 3688 4294 3634 1864	0.46 0.38 0.51 0.30 0.34 0.21	57 84 40 52 69 80	0.0419 0.0553 0.0662 0.0555 0.0534 0.0651	25 29 29 29 20 20 20 20 20 20 20 20 20 20 20 20 20	1 23 1 38 6 37 6 25 1 27 6 16 0 26	25 18 17 18 16 22	0.4783 0.3778 0.4000 0.4557 0.4416 0.3968	0.2500 0.4222 0.4111 0.3165 0.3506 0.2540	0.2717 0.2000 0.1889 0.2278 0.2078 0.3492
1 2 3 4 5 6 7 8 9	0.0000 0.4125 0.3165 0.4672 0.2097 0.4839 0.3566	0.0000 0.5289 0.3619 0.4486 0.3077 0.4124 0.4176	0.0000 0.4038 0.2909 0.4124 0.1395 0.5679 0.3038	0.0 0.5 0.5 0.4 0.4 0.6 0.4	000 385 737 500 300 268 566	0.63 0.65 0.62 0.59 0.67 0.61 0.62	s construction of the state of	7 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	197 0.6 533 0.6 513 0.6 143 0.6 212 0.6 270 0.6 765 0.7 970 0.6	903 267 400 906 838 984 092 879	0.0076 0.0089 0.0089 0.0097 0.0089 0.0089 0.0086	0.104 0.123 0.143 0.133 0.090 0.143	3 0.30 13 0.30 16 0.36 15 0.39 14 0.37 16 0.38 17 0.38 18 0.48 18 0.48	.truo-eacher 1884 631 652 674 679 650 658	0.4273 0.3886 0.5132 0.2907 0.3460 0.2165 0.1745	3 0. 3 0. 3 0. 2 0. 7 0. 0 0. 5 0. 6 0. 1 0.	4072 2987 3688 4294 3634 1864 3654	0.46 0.38 0.51 0.30 0.34 0.21 0.16	84 40 52 69 80 99	0.0419 0.0553 0.0662 0.0554 0.0651 0.0472	344 343 344 345 365 366 367 347 347 347 347 347 347 347 347 347 34	1 23 1 38 3 37 3 25 1 27 6 16 0 26 3 27	25 18 17 18 16 22 15 17	0.4783 0.3778 0.4000 0.4557 0.4416 0.3968 0.4143	0.2500 0.4222 0.4111 0.3165 0.3506 0.2540 0.3714	0.2717 0.2000 0.1889 0.2278 0.2078 0.3492 0.2143
3 4 5 6 7 8	0.0000 0.4125 0.3165 0.4672 0.2097 0.4839 0.3566 0.5116	0.0000 0.5289 0.3619 0.4486 0.3077 0.4124 0.4176 0.5000	0.0000 0.4038 0.2909 0.4124 0.1395 0.5679 0.3038 0.4000	0.0 0.5 0.5 0.4 0.4 0.6 0.4 0.5 0.6	000 385 737 500 300 268 566	0.63 0.65 0.62 0.59 0.67 0.61 0.62 0.67	s s s s s s s s s s s s s s s s s s s	703 0.65	33 0.6 533 0.6 513 0.6 143 0.6 212 0.6 270 0.6 765 0.7 770 0.6 320 0.6	903 267 400 906 838 984 092 879 607	0.0076 0.0089 0.0089 0.0089 0.0097 0.0089 0.0086 0.0082	0.104 0.123 0.143 0.096 0.143 0.138	0.30 13 0.30 14 0.30 15 0.39 14 0.35 15 0.38 16 0.38 17 0.38 18 0.42 19 0.38	rituo: oeste de	0.4273 0.3886 0.5132 0.2907 0.3460 0.2165 0.1745 0.0231	3 0. 3 0. 5 0. 7 0. 0 0. 5 0. 6 0. 1 0.	4072 2987 3688 4294 3634 1864 3654 2773	0.46 0.38 0.51 0.30 0.34 0.21 0.16	557 884 40 952 669 80 99 970	0.0419 0.0553 0.0662 0.0554 0.0651 0.0472 0.0426	20 29 23 23 23 25 36 36 36 25 25 25 25 25 25 25 25 25 25 25 25 25	1 23 1 38 3 37 3 25 1 27 5 16 9 26 8 27 7 19	25 18 17 18 16 22 15 17	0.4783 0.3778 0.4000 0.4557 0.4416 0.3968 0.4143 0.3433	0.2500 0.4222 0.4111 0.3165 0.3506 0.2540 0.3714 0.4030	0.2717 0.2000 0.1889 0.2278 0.2078 0.3492 0.2143 0.2537
3 4 5 6 7 8	0.0000 0.4125 0.3165 0.4672 0.2097 0.4839 0.3566 0.5116 0.4628	0.0000 0.5289 0.3619 0.4486 0.3077 0.4124 0.4176 0.5000 0.3953	0.0000 0.4038 0.2909 0.4124 0.1395 0.5679 0.3038 0.4000 0.5610	0.0 0.5 0.5 0.4 0.4 0.6 0.4 0.5 0.6 0.5	000 857 385 737 500 300 268 566 341	0.63: 0.65: 0.62: 0.59: 0.61: 0.62: 0.67: 0.60:	s constraints of the second se	703 0.65 0.66 0.66 0.67 0.67 0.67 0.67 0.67 0.67	H97 0.6 533 0.6 513 0.6 513 0.6 212 0.6 270 0.6 765 0.7 070 0.6 320 0.6 519 0.6	903 267 400 906 838 984 092 879 607 786	0.0076 0.0089 0.0089 0.0093 0.0097 0.0089 0.0086 0.0082 0.0122	0.104 0.123 0.144 0.133 0.096 0.144 0.133 0.097	13 0.30 46 0.36 46 0.39 14 0.31 49 0.38 15 0.41 17 0.39 18 0.42 19 0.39 19 0.55	rituo: degree centr. 1831 1852 1874 1879 1858 1858 1858 1858 1858 1858 1858 185	0.4273 0.3886 0.5132 0.2907 0.3460 0.2165 0.0231 0.0231	3 0. 3 0. 5 0. 7 0. 0 0. 6 0. 6 0. 1 0. 1 0.	4072 2987 3688 4294 3634 1864 3654 2773 3102	0.46 0.38 0.51 0.30 0.34 0.21 0.16 0.02 0.27	557 884 40 552 669 80 99 70 667	0.0419 0.0553 0.0662 0.0554 0.0651 0.0472 0.0426 0.0628	20 29 23 23 25 26 26 26 26 26 26 26 26 26 26 26 26 26	1 23 1 38 6 37 6 25 1 27 6 16 0 26 8 27 7 19 6 24	25 18 17 18 16 22 15 17 19 21	0.4783 0.3778 0.4000 0.4557 0.4416 0.3968 0.4143 0.3433 0.4154	0.2500 0.4222 0.4111 0.3165 0.3506 0.2540 0.3714 0.4030 0.2923	0.2717 0.2000 0.1889 0.2278 0.2078 0.3492 0.2143 0.2537 0.2923

## Community smells: Pearson's correlation ( LibreOffice )

	devs	ml.only.devs	open with device		ml.code.devs	perc.ml.only.devs	perc.code.only.devs	perc.ml.code.devs	sponsored.devs	ratio.sponsored	•	sponsored.core.devs	ratio.sponsored.core	num.tz	core.global.devs	core.mail.devs	code.d	orgasilo			radio.silence	black.cloud	=	se.congruence	global.turnover
org.silo	0.14	0.01	0.6			0.20	0.48	-0.52	-0.06	-0.10				0.54	0.34	0.16			0.3						
prima.donnas	0.19	0.17	-0.2				-0.39	0.49	0.26	0.19				0.07	0.24	0.23		-0.33		- 0.4					
radio.silence	0.73	0.77	0.0				-0.59	0.28	0.32	0.06				0.25	0.45	0.35		-0.30			- 0.6				
black.cloud	0.45	0.58					-0.47	0.28	-0.27	-0.42				0.36	0.06	-0.18		-0.33				0.3			
missing.links	0.33	0.23		2 -0.0	)1 (	0.02	0.25	-0.37	-0.05	-0.16	0.:	31 0	).27 -	0.65	0.48	0.44	0.73	0.95	5 -0.2	2 -0.1	.5 -0.3	0	0.7	3 -0.5	7 -0.06
		code.turnover	core.global.turnover	core.mail.turnover	core.code.turnover	ratio smelly quitters	1		global.truck	mail.truck	code.truck	closeness.centr			degree.centr	global.mod	mail.mod	code.mod	density	mail.only.core.devs	code.only.core.devs	ml.code.core.devs	ratio.mail.only.core	ratio.code.only.core	ratio.ml.code.core
org.silc				0.12	-0.34	-0.10					0.64	-0.01	-0.26	0.2			0.49	0.51	0.48	0.38	0.76	-0.39	-0.01	0.56	-0.69
prima.donnas				0.17	0.31	0.05		34 -0.			0.20	-0.30	0.07	-0.6			0.44	0.06	-0.12	0.10	-0.16	0.38	0.14	-0.33	0.30
radio.silence				0.02	-0.02	-0.1					0.24	-0.51	0.30	-0.6			0.29	0.21	-0.69	0.31	0.11	0.24	0.14	-0.02	-0.09
black.cloud	l -0.2	:7 -(	0.34	0.12	-0.08	0.02	2 - 0.	59   0.	41 - 0	72	0.25	-0.22	0.69	-0.1	15 -(	).13 -	0.63	-0.01	-0.63	-0.20	-0.00	0.09	-0.25	0.10	0.06
missing.links				0.02	-0.32	-0.08					0.60	-0.15	-0.29	0.1			0.54	0.67	0.43	0.58	0.69	-0.12	0.16	0.36	-0.59

## Community smells: Pearson's correlation - p-values ( LibreOffice )

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	devs	ml.only.devs	code.only.devs	m] code devs	m.co.co.co.co.co.co.co.co.co.co.co.co.co.	perconnicony, acres	perc.ml.code.devs	sponsored.devs	ratio.sponsored	sponsored.core.devs	sored.c		11umii.uz	core.global.devs	core.mail.devs	core.code.devs	org.silo	prima.donnas	;	radio.silence	black.cloud	missing.links	st.congruence	communicability	global.turnover
org.silo	0.66	0.98	0.04	0.42	0.5	4 0.12	0.09	0.84	0.76	0.28	0.32	0.0	7 0.	29 (	0.61	0.02	-	0.30	0.3	<b>3</b> 4 0	.32	0.00	0.00	0.02	1.00
prima.donnas	0.56	0.61	0.46	0.10	0.8	1 - 0.2	0.11	0.42	0.56	0.70	0.78	0.83	3 0.	46	0.47	0.99	0.30	-	0.1	.5 0	0.79	0.48	0.35	0.02	0.86
radio.silence	0.01	0.00	0.92	0.01	0.0	1 - 0.04	0.38	0.31	0.85	0.45	0.51	$0.4^{\circ}$	4 0.	14 (	0.26	0.44	0.34	0.15	•	- 0	0.02	0.63	0.81	0.02	0.97
black.cloud	0.16	0.06	0.84	0.08	0.0	5  0.14	0.40	0.43	0.20	0.92	0.89	0.28	8 0.	85 (	0.60	0.93	0.32	0.79	0.0	)2	-	0.37	0.69	0.29	0.79
missing.links	0.29	0.46	0.08	0.97	0.9	4 - 0.44	0.24	0.88	0.62	0.33	0.40	0.03	2 0.	11 (	0.16	0.01	0.00	0.48	0.6	63 0	0.37	-	0.01	0.05	0.87
		code.turnover	core.global.turnover	core.mail.turnover	core.code.turnover	ratio.smelly.quitters	ratio.smelly.devs	global.truck	mail.truck	code.truck	closeness.centr	betweenness.centr	degree.centr	global.mod		mail.mod	code.mod	density	mail.only.core.devs	code.only.core.devs		ml.code.core.devs	ratio.mail.only.core	ratio.code.only.core	ratio.ml.code.core
org.si													0.41	0.05					0.22	0.00	0.2				0.01
prima.donna													0.04	0.98					0.75	0.61	0.2				0.35
radio.silen													0.02	0.81					0.32	0.73	0.4				0.78
black.clou									-				0.66	0.70		-			0.55	1.00	0.8		-		0.85
missing.lin	ks $0$ .	.84 0	0.80	.95 (	0.33	0.82	0.52 (	).61 (	0.24 0	0.04	0.64 (	0.36	0.70	0.01	1 0.0	<i>J7</i> 0.	02 0	.16 (	0.05	0.01	0.7	1 0.	62 0	.25 (	0.04

# Community smells: Spearman's correlation ( LibreOffice )

	devs	ml.only.devs	code.onlv.devs		ml.code.devs	perc.ml.only.devs	perc.code.only.devs	perc.ml.code.devs	sponsored.devs	ratio.sponsored	sponsored.core.devs	0.	4	num.tz	core.global.devs	core.mail.devs	core code devs			prima.donnas	radio.silence	black.cloud	missing.links	st. congrinence	communicability	global.turnover
org.silo	0.11	0.08	0.75			0.30	0.59	-0.67	-0.09	-0.03	0.18				0.18	0.29	0.55		0.			0.42	0.87	-0.85		
prima.donnas	0.25	0.23	-0.36				-0.34	0.38	0.29	0.12	-0.10				0.32	0.37	-0.04					0.20	-0.11	0.32		
radio.silence	0.67	0.75	0.12				-0.30	0.08	0.39	0.16	0.47				0.53	0.07	0.40					0.66	-0.07	0.08		
black.cloud	0.50	0.66	-0.20				-0.58	0.42	-0.13	-0.20	0.08				0.25	-0.15	0.18				66	-	-0.35			
missing.links	0.38	0.33	0.52	0.1	L7 -U	0.07	0.23	-0.43	0.01	-0.07	0.14	0.03	3 -0.6	58 U	0.40	0.66	0.70	0.8	37 -0.	11 -0.	07 -	0.35		-0.72		0.02
		code.turnover	core.global.turnove	core.mail.turnover	core.code.turnover	ratio emally quitters	racio.emen.y	ratio.sme	global.truck	mail.truck	code.truck	closeness.centr	betweenness.centr	degree.centr		global.mod	mail.mod	code.mod	density	mail.only.core.devs	code.onlv.core.devs		ml.code.core.devs	ratio.mail.only.core	ratio.code.only.core	ratio.ml.code.core
org.silc					-0.42	-0.1							0.02	0.38				0.42	0.39	0.36	0.77			0.14		-0.73
prima.donnas				0.24	0.31	0.03							0.21	-0.81				0.17	-0.13	0.14	-0.27				-0.32	0.15
radio.silence					-0.09	-0.0							0.20	-0.55				0.19	-0.69	0.16	0.24			0.04		-0.20
black.cloud missing.links	-0.3			0.03 0.10	0.05 -0.41	-0.04 -0.1							$0.66 \\ 0.14$	-0.26 0.08				-0.05 0.66	-0.66 0.32	-0.14 0.62	0.04 $0.56$			0.12 0.13	-0.04 0.38	0.13 -0.56

## Community smells: Spearman's correlation - p-values ( LibreOffice )

	devs	ml.only.devs	code.only.devs	m ondo dave		perc.ml.only.devs	perc.code.only.devs	perc.ml.code.devs	sponsored.devs	ratio.sponsored	snonsored core devs		ratio.sponsored.core	num.tz	core.global.devs	core.mail.devs	core code devs		org.silo	prima.donnas	radio.silence	,	Diack.cloud	missing.links	st.congruence	communicability	global.turnover
org.silo	0.73	0.81	0.01	0.65			0.04	0.02	0.78	0.94	0.5			0.10	0.57	0.36	0.06				0.48	0.20		00	0.00	0.03	0.80
prima.donnas	0.44	0.46		0.23			0.28	0.22	0.37	0.72	0.7			0.95	0.31	0.24	0.90				0.17	0.5		73	0.32	0.00	0.83
radio.silence	0.02	0.01	0.71	0.09			0.34	0.80	0.21	0.62	0.13			0.38	0.07	0.84	0.20			.17	-	0.03		82	0.80	0.03	0.88
black.cloud	$0.12 \\ 0.22$	0.03 $0.30$	$0.55 \\ 0.08$	0.03			0.06 0.46	$0.20 \\ 0.17$	$0.69 \\ 0.97$	$0.55 \\ 0.83$	0.82 0.6			0.41 $0.02$	$0.45 \\ 0.20$	$0.66 \\ 0.02$	$0.60 \\ 0.01$				$0.03 \\ 0.82$	0.29			$0.94 \\ 0.01$	0.20 $0.20$	$0.55 \\ 0.97$
missing.links	0.22	0.30	<u>0.08</u>	0.00	) 0.0			0.17	0.97	0.83	0.0	7 0.8	<i>5</i> 5 U	0.02	0.20	0.02	0.01	0.0	0	.13	0.82	0.23	,				<del></del>
		code.turnover	core.global.turnove	core.mail.turnover	core.code.turnover	ratio.smelly.quitters			global.truck	mail.truck	code.truck	closeness.centr	betweenness.centr		_	global.mod	mail.mod	code.mod	density	mail.onlv.core.devs		code.only.core.devs	ml.code.core.devs	1,000 0;700	ratio.mail.only.core	ratio.code.only.core	ratio.ml.code.core
org.si					0.20	0.69						0.34	0.96					0.18	0.21	0.26			0.07	0.6			.01
prima.donna					0.36	0.95						0.39	0.50					).59	0.68	0.66			0.18	0.3			.65
radio.silen					0.80	0.86						0.03	0.53					0.55	0.01	0.62			0.98	0.9			.54
black.clou					0.87	0.91						0.29	0.03					0.87	0.03	0.69			0.55	0.7			.69
$_{\rm missing.lin}$	ks = 0.	86 0	0.95 0	.78	0.21	0.67	0.7	73 0.	85 0.	28 0	.18	0.79	0.67	0.8	sz 0.	.03 0	.05 (	0.02	0.31	0.03	3 0.	.06	0.65	0.7	U 0.	22 (	.06