Socio-technical analysis result (${\rm LLVM}$)

																<u> </u>												
		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	core.code.devs	org.silo	prima.donnas	radio.silence	black.cloud	missing.links	Quero Quero	st.congruence	communicability	global.turnover	
_	1	2013-06	- 2013-09	409	273	55	81	0.6675	0.1345	0.1980	17	0.0416	3 1	0.0074	2	122	117	50	307	2	156	0	703	3 0.1	1510	0.7381	0.0000	0.00
	2	2013-09	- 2013-12	418	268	57	93	0.6411	0.1364	0.2225	18	0.0431	1 3	0.0200	3	127	122	54	380	4	139	0	844	1 0.1	1078	0.7398	0.4740	0.25
	3	2013-12	- 2014-03	384	235	50	99	0.6120	0.1302	0.2578	24	0.0625	5	0.0336	2	123	118	57	396	0	100	0	874	1 0.1	1457	0.6966	0.5112	0.28
	4	2014-03	- 2014-06	416	258	52	106	0.6202	0.1250	0.2548	33	0.0793	3 1	0.0063	3	116	115	55	385	0	136	0	1048	3 0.1	1466	0.6961	0.4225	0.22
	5	2014-06	- 2014-09	455	288	60	107	0.6330	0.1319	0.2352	23	0.0505	5 3	0.0180	2	125	127	58	437	0	151	0	1166		1812	0.7351	0.4409	0.26
	6		- 2014-12	454	280	64	110	0.6167	0.1410	0.2423	29	0.0639		0.0230	3	132	118	61	511	0	160	1	1029			0.7740	0.4532	0.228
	7		- 2015-03	478	303	60	115	0.6339	0.1255	0.2406	22	0.0460) 3	0.0171	2	145	139	65	464	4	180	0	1057	7 0.2		0.7618	0.4421	0.27
	8		-2015-06	482	300	79	103	0.6224	0.1639	0.2137	36	0.0747		0.0385	3	129	114	63	826	0	162	1	1438			0.7252	0.4729	0.30
	9		-2015-08	447	261	77	109	0.5839	0.1723	0.2438	27	0.0604		0.0323	2	132	123	71	934	0	178	0	1690			0.6758	0.4909	0.27
	10		-2015-11	491	292	89	110	0.5947	0.1813	0.2240	44	0.0896		0.0352	3	139	117	69	1028	2	226	0	1652			0.7042	0.4179	0.25
	11		- 2016-02	478	276	91	111	0.5774	0.1904	0.2322	30	0.0628		0.0297	2	141	123	71	1008	4	166	0	1515			0.7430	0.4644	0.27
	12	2016-02 -	_ 2016 05	596	361	117	115	0.6107	0.1963	0.1930	37	0.0621	1 3	0.0129	3	164	138	78	1229	0	309	0	1909	a) () (1000	0.7465	0.3184	0.20'
_					364	117	115	0.0101	0.1303	0.1330		0.0023	- 0	0.0129	<u> </u>	101	100	••	1220		303				0888			
_		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	<u> </u>	global.mod	mail mod		code.mod	Jone ity	,	mail.only.core.devs	code.only.core.devs	ml.code.core.devs	$\left\ \begin{array}{c} 9 \\ 9 \\ 0 \\ \end{array} \right\ $	ratio.code.only.core	m code core	_
-	1	00000 core.global.turnover	00000.0 core.mail.turnover	00000 core.code.turnover	0.00	© ratio.smelly.quitters	0.5 10 ratio.smelly.devs	2102.0 global.truck	6699.0 7 mail.truck	code.truck	0.00	closeness.centr	0.1359 petweenness.centr	degree.centr	0.38	global.mod	0.4225	0	poom: eoode: mod	0.027		mail.only.core.devs	% code.only.core.devs	ml.code.core.devs	ratio.mail.only.core	201333 ratio.code.only.core	a 0.2370	o ratio.mi.code.core
_	1 2	0.000.0 core.global.turnover	0.0000 0.4268	0.000.0 core.code.turnover	0.00 0.46	EP90 ratio.smelly.quitters	0.5620 0.5620 0.5620	8lobal.truck 0.7017 0.6962	0.6620 mail.truck	code:tr.nck 0.6324 0.6400	0.00	closeness: centr.	0.1359 0.1090	0.2369 0.2563	0.38	855 750	0.4225 0.4073	0	рош- роод 4008 4808	0.027 0.026	righten 8 8 8 7	06 % mail.only.core.devs	sode.only.core.devs	ml.code.core.devs	0.6250 0.6250	0.1333 0.1528 0.1528	8 0.2370 8 0.2222	S O ratio.mi.code.core
_	1	0.0000 0.3855 0.3760	0.0000 0.4268 0.4417	0.0000 0.3846 0.4505	0.00 0.46 0.42	66 E E E E E E E E E E E E E E E E E E	satio.smelly.devs	8 lopal;trnck 0.7017 0.6962 0.6797	0.6695 0.6620 0.6467	0.6324 0.6400 0.6174	0.00 0.00 0.00	closeness.centr	petweenness centr. 0.1359 0.1090 0.1317	0.2369 0.2563 0.3538	0.33 0.4' 0.30	pom.ledolg 855 750	0.4225 0.4073 0.3554	0	po woo 4008 4808 3172	0.027 0.026 0.032		28 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	sode.only.core.devs 25 26 :	32 0 31 0	0.6250 0.6042	0.1333 0.1528 0.1806	8 0.2370 8 0.2222 9 0.2153	E & O ratio.mi.code.core
_	1	0.0000 0.3855 0.3760 0.4017	0.0000 0.4268 0.4417 0.4378	0.0000 0.4505 0.4464	0.00 0.46 0.42 0.38	246 (25) (26) (27) (27) (27) (27) (27) (27) (27) (27	0.5501 0.5622 0.5078 0.5409	0.7017 0.6962 0.6797 0.7212	0.6695 0.6620 0.6467 0.6841	0.6324 0.6400 0.6174 0.6519	0.00 0.00 0.00 0.00	closeness: centr.	0.1359 0.1090 0.1317 0.1242	0.2369 0.2563 0.3538 0.3124	0.38 0.4' 0.30 0.11	pom:ledolg 855 750 030 513	0.4225 0.4073 0.3554 0.4200	0. 0. 0.	рош фроз 4008 4808 3172 2466	0.027 0.026 0.032 0.032		mail.only.core.devs	sode.only.core.devs 20 :	sop:oue:oue:oue:oue:oue:oue:oue:oue:oue:oue	0.6296 0.6250 0.6042 0.5926	0.1333 0.1528 0.1806 0.1481	8 0.2370 6 0.2222 6 0.2153 0.2593	a a a c rado.mi.code.core
	1	0.0000 0.3855 0.3760 0.4017 0.2822	0.0000 0.4268 0.4417 0.4378 0.3719	0.0000 0.4505 0.4464 0.3363	0.00 0.46 0.42 0.38 0.43	23 (23) (24) (24) (25) (25) (25) (25) (25) (25) (25) (25	0.5501 0.5622 0.5078 0.5409 0.5407	0.7017 0.6962 0.6797 0.7212 0.7253	0.6695 0.6620 0.6467 0.6841 0.6785	0.6324 0.6400 0.6174 0.6519 0.6527	0.00 0.00 0.00 0.00	closeness: centr. compared to the compared to	0.1359 0.1090 0.1317 0.1242 0.1490	0.2369 0.2563 0.3538 0.3124 0.3257	0.33 0.4' 0.30 0.11 0.33	pom:ledolg 855 750 030 513 351	0.4225 0.4073 0.3554 0.4200 0.3153	0 0 0 0	рош- фо 4008 4808 3172 2466 3500	0.027 0.026 0.032 0.032 0.031		88 0 88 0 88 0 88 0 88 0 88 0 88 0 88	soponia code. So	32 0 32 0 31 0 35 0 38 0	0.6296 0.6250 0.6042 0.5926 0.6054	0.1333 0.1528 0.1806 0.1481 0.1361	3 0.2370 3 0.2222 5 0.2153 0.2593 0.2585	g & & O rado.mi.code.core
_	1	0.0000 0.3855 0.3760 0.4017 0.2822 0.2646	0.0000 0.4268 0.4417 0.4378 0.3719 0.4653	0.0000 0.3846 0.4505 0.4464 0.3363 0.3025	0.00 0.46 0.42 0.38 0.43 0.38	235 (335) (335) (346) (357) (3	saps: smells: description of the state of th	0.7017 0.6962 0.6797 0.7212 0.7253 0.7093	0.6695 0.6620 0.6467 0.6841 0.6785 0.6974	0.6324 0.6400 0.6174 0.6519 0.6527 0.6494	0.00 0.00 0.00 0.00 0.00	Closeness: central control con	Detweenness: centr. 1910.1359 0.1090 0.1317 0.1242 0.1490 0.1063	0.2369 0.2563 0.3538 0.3124 0.3257 0.2967	0.38 0.4' 0.30 0.11 0.33 0.40	pom:ledolg 855 750 030 513 351 078	0.4225 0.4073 0.3554 0.4200 0.3153 0.3156	0 0 0 0 0	рош 90 4008 4808 3172 2466 3500 4263	0.027 0.026 0.032 0.032 0.031 0.032	лапапапапапапапапапапапапапапапапапапап	88 0 88 0 88 0 88 0 88 0 88 0 88 0 88	soperation of the state of the	saproored and saproof of the saproored and saproof of the saproored and	0.6296 0.6250 0.6042 0.5926 0.6054 0.5850	0.1333 0.1528 0.1806 0.1481 0.1361 0.1973	3 0.2370 3 0.2222 3 0.2153 0.2593 0.2585 0.2177	latio:mi:code:core
_	1 2 3 4 5 6 7	0.0000 0.3855 0.3760 0.4017 0.2822 0.2646 0.3466	0.0000 0.4268 0.4417 0.4378 0.3719 0.4653 0.3113	0.0000 0.3846 0.4505 0.4464 0.3363 0.3025 0.3333	0.00 0.46 0.42 0.38 0.43 0.38	sations and sations and sations and sations are sationally distinct the sations and sational	shopshipshipshipshipshipshipshipshipshipshi	0.7017 0.6962 0.7212 0.7253 0.7093 0.6967	0.6695 0.6620 0.6467 0.6841 0.6785 0.6974 0.6675	0.6324 0.6400 0.6174 0.6519 0.6527 0.6494 0.6286	0.00 0.00 0.00 0.00 0.00 0.00	Closeness: central control con	0.1359 0.1090 0.1317 0.1242 0.1490 0.1063 0.0998	0.2369 0.2563 0.3538 0.3124 0.3257 0.2967 0.3337	0.33 0.44 0.36 0.14 0.34 0.34	pour:leqols 855 750 030 513 351 078 479	0.4225 0.4073 0.3554 0.4200 0.3153 0.3156 0.3993	0 0 0 0 0 0	рош 9ро 4008 4808 3172 2466 3500 4263 3513	0.027 0.026 0.032 0.031 0.032 0.031	forman 8 8 8 7 9 7 8 1 8 1 8 2 8 1 9 1	886 mail.only.core.devs	solution of the state of the st	San	0.6296 0.6250 0.6042 0.5926 0.6054 0.5850 0.6012	0.1333 0.1528 0.1806 0.1481 0.1973 0.1472	3 0.2370 3 0.2222 4 0.2153 5 0.2593 6 0.2585 7 0.2515	2 7 2 8 8 2 0 ratio.mi.code.core
_	1	0.0000 0.3855 0.3760 0.4017 0.2822 0.2646 0.3466 0.4380	0.0000 0.4268 0.4417 0.4378 0.3719 0.4653 0.3113 0.5217	0.0000 0.3846 0.4505 0.4464 0.3363 0.3025 0.3333 0.4375	0.00 0.46 0.42 0.38 0.43 0.45 0.48	satio.smelly.quitters 000 (343 (323 (335 (346 (346 (346 (346 (346 (346 (346 (346	s, solve of the state of the st	0.7017 0.6962 0.6797 0.7212 0.7253 0.7093 0.6967 0.7324	0.6695 0.6620 0.6467 0.6841 0.6785 0.6974 0.6675 0.7171	0.6324 0.6400 0.6174 0.6519 0.6527 0.6494 0.6286 0.6538	0.00 0.00 0.00 0.00 0.00 0.00	Coseness: central control coseness: central cose	0.1359 0.1090 0.1317 0.1242 0.1490 0.1063 0.0998 0.1062	0.2369 0.2563 0.3538 0.3124 0.3257 0.2967 0.3337 0.3308	0.33 0.44 0.33 0.44 0.34 0.34	pom:ledols 855 750 030 513 351 078 479 293	0.4225 0.4073 0.3554 0.4200 0.3153 0.3156 0.3993 0.3626	0 0 0 0 0 0	рош. 4008 4808 3172 2466 3500 4263 3513 3778	0.027 0.026 0.032 0.031 0.032 0.031 0.035	Anguran 8 8 8 7 9 9 1 8 1 8 2 8 1 9 1 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8	880 mail.only.core.devs 880 886 886 886 886 886 886 886 886 886	solve	San	0.6296 0.6250 0.6042 0.5850 0.6012 0.5594	0.1333 0.1528 0.1806 0.1481 0.1361 0.1973 0.1472 0.2028	0.2370 0.2370 0.2222 0.2585 0.2585 0.2585 0.2515 0.2515 0.2378	8 5 7 7 8 8 2 0 Tatlo:IIII:code:core
	1 2 3 4 5 6 7 8 9	0.0000 0.3855 0.3760 0.4017 0.2822 0.2646 0.3466 0.4380 0.3602	0.0000 0.4268 0.4417 0.4378 0.3719 0.4653 0.3113 0.5217 0.3882	0.0000 0.3846 0.4505 0.4464 0.3363 0.3025 0.3333 0.4375 0.2388	0.00 0.46 0.42 0.38 0.43 0.45 0.48	sanda (12) (13) (14) (15) (15) (15) (15) (15) (15) (15) (15	shop:	0.7017 0.6962 0.6797 0.7212 0.7253 0.7093 0.6967 0.7324 0.7047	0.6695 0.6620 0.6467 0.6841 0.6785 0.6974 0.6675 0.7171 0.6676	0.6324 0.6400 0.6174 0.6519 0.6527 0.6494 0.6286 0.6538 0.6183	0.00 0.00 0.00 0.00 0.00 0.00 0.00	067 0 077 0 090 0 058 0 073 0 061 0 091 0 058 0 081 0	0.1359 0.1090 0.1317 0.1242 0.1490 0.1063 0.0998 0.1062 0.0802	0.2369 0.2563 0.3538 0.3124 0.3257 0.2967 0.3337 0.3308 0.2810	0.33 0.44 0.30 0.15 0.33 0.40 0.33 0.33	pom:\text{reqols} 855 750 030 513 351 078 479 293 267	0.4225 0.4073 0.3554 0.4200 0.3153 0.3156 0.3993 0.3626 0.4062	0 0 0 0 0 0	рошэроэ 4008 4808 3172 2466 3500 4263 3513 3778 3119	0.027 0.026 0.032 0.031 0.032 0.031 0.035 0.035	Arguan 8 8 8 7 9 7 8 1 8 1 8 1 8 1 8 1 8 1	880 889 886 889 889 889 889 889 889 889	some state of the	Salva (10 code: Core: George (10 code: Core: George (10 code: Core: George (10 code: George	0.6296 0.6250 0.6042 0.5926 0.6054 0.5850 0.6012 0.5594 0.5562	0.1333 0.1528 0.1806 0.1481 0.1973 0.1472 0.2028 0.2312	8 0.2370 8 0.2370 8 0.2222 9 0.2153 9 0.2515 9 0.2515 9 0.2378 9 0.2378 9 0.2378	er & er & er & collection and conference of the collection and the col
	1 2 3 4 5 6 7 8 9 10	0.0000 0.3855 0.3760 0.4017 0.2822 0.2646 0.3466 0.4380 0.3602 0.3764	0.0000 0.4268 0.4417 0.4378 0.3719 0.4653 0.3113 0.5217 0.3882 0.5833	0.0000 0.3846 0.4505 0.4464 0.3363 0.3025 0.3333 0.4375 0.2388 0.3714	0.00 0.46 0.42 0.38 0.43 0.45 0.48 0.42	255 (115)	sapp: shop:	0.7017 0.6962 0.6797 0.7212 0.7253 0.7093 0.6967 0.7324 0.7047 0.7169	0.6695 0.6620 0.6467 0.6841 0.6785 0.6974 0.6675 0.7171 0.6676 0.7090	0.6324 0.6400 0.6174 0.6519 0.6527 0.6494 0.6286 0.6538 0.6183 0.6533	0.00 0.00 0.00 0.00 0.00 0.00 0.00	Cose of Cose o	0.1359 0.1090 0.1317 0.1242 0.1490 0.1063 0.0998 0.1062 0.0802 0.0842	0.2369 0.2563 0.3538 0.3124 0.3257 0.2967 0.3337 0.3308 0.2810 0.2437	0.33 0.44 0.33 0.44 0.33 0.33 0.33	pom: redols 855 750 030 513 351 078 479 293 267 131	0.4225 0.4073 0.3554 0.4200 0.3153 0.3156 0.3993 0.3626 0.4062 0.2395	0 0 0 0 0 0 0	Ф 4008 4808 3172 2466 3500 4263 3513 3778 3119 3479	0.027 0.026 0.032 0.031 0.032 0.031 0.035 0.035	8 8 8 7 9 7 8 1 8 1 8 1 8 8 9 9	85 mail:only:core.devs 85 mail:only:core.devs 88 mail:only:core.devs	some series of the series of t	San Control of San Co	0.6296 0.6250 0.6042 0.5926 0.6054 0.5594 0.5594 0.5562 0.5714	0.1333 0.1528 0.1806 0.1481 0.1973 0.1472 0.2028 0.2312 0.2733	0.2370 0.2370 0.2222 0.2153 0.2593 0.2515 0.2378 0.2378 0.2125 0.2125 0.2125	a a a a a a a a a a a a a a a a a a a
	1 2 3 4 5 6 7 8 9	0.0000 0.3855 0.3760 0.4017 0.2822 0.2646 0.3466 0.4380 0.3602	0.0000 0.4268 0.4417 0.4378 0.3719 0.4653 0.3113 0.5217 0.3882 0.5833 0.4000	0.0000 0.3846 0.4505 0.4464 0.3363 0.3025 0.3333 0.4375 0.2388	0.00 0.46 0.42 0.38 0.43 0.45 0.48	255 (222)	shop:	0.7017 0.6962 0.6797 0.7212 0.7253 0.7093 0.6967 0.7324 0.7047	0.6695 0.6620 0.6467 0.6841 0.6785 0.6974 0.6675 0.7171 0.6676	0.6324 0.6400 0.6174 0.6519 0.6527 0.6494 0.6286 0.6538 0.6183	0.00 0.00 0.00 0.00 0.00 0.00 0.00	Closeness: central control con	0.1359 0.1090 0.1317 0.1242 0.1490 0.1063 0.0998 0.1062 0.0802	0.2369 0.2563 0.3538 0.3124 0.3257 0.2967 0.3337 0.3308 0.2810	0.33 0.44 0.30 0.15 0.33 0.40 0.33 0.33	pom: redols 855 750 030 513 351 078 479 293 267 131 626	0.4225 0.4073 0.3554 0.4200 0.3153 0.3156 0.3993 0.3626 0.4062	0 0 0 0 0 0 0 0	Фон. фон.	0.027 0.026 0.032 0.031 0.032 0.031 0.035 0.035	77 88 87 87 1 88 1 88 1 88 1 88 1 88 1	885 880 889 880 889 880 889 881 880 889 880	some series of the series of t	Sapproside	0.6296 0.6250 0.6042 0.5926 0.6054 0.5850 0.6012 0.5594 0.5562	0.1333 0.1528 0.1806 0.1481 0.1973 0.1472 0.2028 0.2312	3 0.2370 3 0.2370 3 0.2222 4 0.2153 5 0.2593 6 0.2177 7 0.2515 8 0.2378 9 0.2125 9 0.1553 9 0.1975	e e e e e e e e e e e e e e e e e e e

Community smells: Pearson's correlation (LLVM)

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	devs	ml.only.devs	code.only.devs	m 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	ore code devs	org.silo	prima.donnas	radio cilence	hade fond	missino links	st.congruence	communicability	global.turnover
org.silo	0.80	0.59	0.96	0.58	-0.73	0.97	-0.38	0.74	0.48	0.62	0.43	0.22	0.75	0.25	0.93	-	-0.07	0.78	-0.03	0.96	6 -0.66	6 -0.12	-0.48
prima.donnas	-0.04	-0.02	-0.04	-0.11	0.10	0.00	-0.13	-0.32	-0.39	-0.03	-0.06	-0.20	0.19	0.26	-0.03	-0.07	-	-0.05	-0.34	-0.20	-0.20		0.12
radio.silence	0.93	0.89	0.88	0.49	-0.25	0.72	-0.63	0.57	0.21	0.10	-0.10	0.33	0.88	0.56					-0.11	0.77			-0.86
black.cloud	0.04	0.09	-0.02	-0.04	0.15	-0.03	-0.12	0.20	0.22	0.29	0.31	0.43	-0.13	-0.41	-0.12					-0.08			0.16
missing.links	0.80	0.59	0.91	0.68	-0.73	0.89	-0.27	0.75	0.51	0.57	0.38	0.21	0.69	0.30	0.93	0.96	-0.20	0.77	-0.08	· ·	0.56	-0.21	-0.53
		rnover	over	over	itters	S					tr						devs	SAS	δ	ore	ore	re	
		core.global.tu	core.mail.turn	core.code.turn	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.d	code.only.core.devs	ml.code.core.devs	ratio.mail.only.core	ratio.code.only.core	ratio.ml.code.core	
	rg.silo	-0.02	score.mail.turn	core.code.turn	0.55	0.86	0.42	0.63	0.40	-0.54	petweenness 51.0-	0.01	0.19	-0.66	0.21	0.22	94.0 mail.only.core.	0.95	-0.22	ratio.mail	0.90	-0.69	
prima.de	onnas	-0.02 0.12	-0.25	-0.16	$0.55 \\ 0.61$	0.86 0.08	0.42 -0.42	0.63 -0.28	0.40 -0.14	-0.54 0.25	sseuness -0.15 -0.24	0.01 -0.45	om:ledolg 0.19 0.54	-0.66 -0.03	0.21 0.55	0.22 -0.42	0.46 0.36	0.95 -0.01	-0.22 -0.03	-0.86 0.29	0.90	-0.69 -0.14	
prima.d radio.s	onnas ilence	-0.02 0.12 -0.27	-0.25 0.10	-0.16 -0.27	0.55 0.61 0.23	0.86 0.08 0.87	0.42 -0.42 0.47	0.63 -0.28 0.65	0.40 -0.14 0.52	-0.54 0.25 -0.58	-0.15 -0.24 0.11	0.01 -0.45 0.02	0.19 0.54 0.19	-0.66 -0.03 -0.48	0.21 0.55 0.19	0.22 -0.42 -0.25	0.46 0.36 0.71	0.95 -0.01 0.69	-0.22 -0.03 0.03	-0.86 0.29 -0.48	0.90 -0.06 0.56	-0.69 -0.14 -0.48	
prima.de	onnas ilence cloud	-0.02 0.12	-0.25	-0.16	$0.55 \\ 0.61$	0.86 0.08	0.42 -0.42	0.63 -0.28	0.40 -0.14	-0.54 0.25	sseuness -0.15 -0.24	0.01 -0.45	0.19 0.54 0.19 0.10	-0.66 -0.03 -0.48	0.21 0.55	0.22 -0.42	0.46 0.36 0.71	0.95 -0.01	-0.22 -0.03	-0.86 0.29	0.90	-0.69 -0.14	

Community smells: Pearson's correlation - p-values (${\it LLVM}$)

					C	OIIII	шиш	Uy SI		у. т (Jais	OII '	5 CC	,,,,	auic	,11 –	P- v	aruc	, J	יעע	, TAT	,						
		devs	ml.only.devs	code.only.devs	m] code devs	nere mlonly devs	perc.code.only.devs	perc.ml.code.devs	sponsored.devs	ratio snonsored		sponsored.core.devs	ratio.sponsored.core	num.tz	core.global.devs	core.mail.devs		core.code.devs	org.silo	prima.donnas	radio.silence		black.cloud	missing.links	st.congruence	communicability	global.turnover	code.turnover
org.s	silo	0.00	0.04	0.00	0.05	0.0	0.00	0.23	0.01	0.11	0.0	03 0	.17	0.49	0.01	0.43	0.0	00	- (0.82	0.00	0.9	2 0.	.00	0.02	0.71	0.13	0.81
prima.doni		0.89	0.95	0.91	0.74	0.70	0.99	0.69	0.31	0.21	0.9	92 0	.85	0.54	0.56	0.41	0.9	0.	82	-	0.89	0.3	1 0.	.53	0.54	0.23	0.73	0.56
radio.siler	nce	0.00	0.00	0.00	0.10	0.43	0.01	0.03	0.06	0.52	2 0.	75 O	.76	0.29	0.00	0.06	0.0	0.00	00 (0.89	-	0.7-	4 0.	.00	0.16	0.54	0.00	0.13
black.clo	oud	0.91	0.80	0.95	0.90	0.66	0.93	0.72	0.55	0.52	2 0.3		.35	0.19	0.71	0.21	0.7	'3 0.	92 (0.31	0.74		- 0.	.81	0.17	0.27	0.63	0.64
missing.lir	nks	0.00	0.04	0.00	0.01	0.0	0.00	0.40	0.00	0.09	0.0	05 0	.22	0.52	0.01	0.34	0.0	0 0.	00 (0.53	0.00	0.8	1	-	0.06	0.51	0.09	0.75
				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	motic mail coltractor	ratio.	ratio.code.only.core	ratio.ml.code.core	
_		org.si									0.20	0.07	0.6				0.02	0.51	0.48				0.50	0.0			01	
1	•	.donn									0.67	0.43	0.4				0.92	0.06	0.17				0.94	0.3			66	
		o.silen									0.08	0.05	0.7				0.12	0.55	0.43				0.92	0.1			11	
		ck.cloı									0.44	0.38	0.5				0.97	0.59	0.23				0.82	0.4			74	
	miss	ing.lin	ks 0	.89 0	.54 (0.27	0.21 (0.00	.08 (0.03	0.19	0.11	0.6	0.04	72 0	.95 (0.04	0.94	0.32	0.1	16 0.	.00	0.81	0.0	0.0	00 0.	06	

Community smells: Spearman's correlation (LLVM)

									•							•		,						
-		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	core.code.devs	org.silo	prima.donnas	radio.silence	black.cloud	missing.links	st.congruence	communicability	سرسرسا لمراص
-	org.silo	0.83	0.57	0.92	0.77	-0.78	0.80	-0.20	0.77	0.48	0.65	0.43	0.19	0.82	0.27	0.96	-	-0.12	0.83	0.07	0.92	-0.49	0.12	-0.3
	prima.donnas	0.08	0.12	0.06	0.10	0.21	0.04	-0.30	-0.36	-0.36	-0.06	-0.08	-0.19	0.29	0.23	-0.05	-0.12	-	0.19	-0.35	-0.21	-0.17	0.40	0.0
	radio.silence	0.83	0.75	0.85	0.77	-0.42	0.69	-0.44	0.47	0.11	0.38	0.15	0.10	0.89	0.39	0.84	0.83	0.19	-	-0.07	0.77	-0.31	0.31	-0.4
	black.cloud	0.15	0.22	0.15	-0.11	0.15	0.07	-0.15	0.22	0.37	0.34	0.37	0.43	-0.04	-0.49	-0.07	0.07	-0.35	-0.07	-	-0.15	0.45	0.30	0.1
_	missing.links	0.77	0.49	0.84	0.69	-0.72	0.69	-0.16	0.71	0.38	0.52	0.29	0.10	0.68	0.32	0.92	0.92	-0.21	0.77	-0.15	-	-0.49	-0.12	-0.4
			core.global.turnover	core.mail.turnover	core.code.turnover	ratio.smelly.quitters	ratio.smelly.devs	global.truck	mail.truck	эроэ		betweenness.centr	degree.centr			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	
		g.silo	-0.30	0.09	-0.45	0.37	0.75		0.59	0.47	-0.42	-0.28	0.15	0.03	-0.78	0.10			0.94	0.02	-0.83	0.87	-0.68	
	prima.do		0.09	-0.23	-0.15	0.68	0.30		-0.34	-0.27	0.25	-0.23	-0.49	0.51	0.03	0.49			-0.03		0.28		-0.17	
	radio.sil		-0.26	-0.15	-0.51	0.41	0.90	0.27	0.47	0.35	-0.23	-0.36	-0.03	0.19	-0.49	0.18		0.67	0.73		-0.59		-0.52	
	black.c		0.00	0.52	-0.07	-0.15	-0.15		0.52	0.30		-0.22	0.07	0.15	0.00	0.30			0.07		-0.30		0.15	
	missing.	links	-0.17	-0.15	-0.40	0.30	0.66	0.54	0.53	0.47	-0.37	-0.23	0.18	-0.13	-0.61	-0.13	0.32	0.49	0.78	0.27	-0.82	0.73	-0.48	_

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

					\sim	,11111	dillo	y 5111	CIID.	ΣP.	cari	ııaıı		COLL	Ciat	1011	Р	vari	ucb	(-		'						
		devs	ml.only.devs	code.only.devs	m].code.devs	nerc mlonly deys	perc.code.only.devs	perc.ml.code.devs	sponsored.devs	ratio snonsored		sponsored.core.devs	ratio.sponsored.core	num.tz	core.global.devs	5	соге:шаш.чеуз	core.code.devs	org.silo	prima.donnas	endio cilono	radio.suemce	black.cloud	missing.links	st.congruence	communicability	global.turnover	code.turnover
org.s	silo	0.00	0.06	0.00	0.00	0.00	0.00	0.53	0.01	0.12	2 0.	02 (0.16	0.55	0.00	0.3	9 0.	.00	-	0.71	0.00	0.	.83 (0.00	0.11	0.72	0.26	0.99
prima.doni		0.80	0.71	0.86	0.76	0.51	0.89	0.35	0.25	0.25	5 0.	86 (0.80	0.55	0.36	0.4°	7 0.	.87 (0.71	-	0.56	0.	.29 (0.51	0.60	0.20	0.95	0.66
radio.siler	nce	0.00	0.01	0.00	0.00	0.18	0.02	0.15	0.13	0.75	3 0.	23 (0.65	0.77	0.00	0.2	1 0.	.00 (0.00	0.56	-	- 0.	.83 (0.01	0.33	0.32	0.14	0.73
black.clo	oud	0.66	0.51	0.66	0.74	0.66	0.83	0.66	0.51	0.20	6 0.	30 (0.26	0.19	0.91	0.1	3 0.	.83 (0.83	0.29	0.83	3	- (0.66	0.17	0.37	0.66	0.66
missing.lin	nks	0.00	0.11	0.00	0.01	0.0	0.02	0.62	0.01	0.22	2 0.	08 (0.35	0.77	0.01	0.3	1 0.	.00 (0.00	0.51	0.01	1 0.	.66	-	0.11	0.72	0.21	0.92
				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	ilo 0	.37 0				0.01 (0.13	0.17		38 0			0.00	0.75	0.2			0.00	0.94				.02	
1	•	a.donn									0.40	0.43					0.93	0.11	0.1			0.93	0.56				.60	
		o.silen									0.27	0.47					0.11	0.57				0.01	0.55				.08	
		ck.cloı									0.37	0.37				0.66	1.00	0.37				0.83	0.74				.66	
	miss	ing.lin	ks = 0	.61 0	.67 (0.23	0.37	0.02 (0.07	0.08	0.13	0.23	0.4	47 - 0).57 (0.68	0.04	0.70	0.3	31 0	.10	0.00	0.40	0.0	0. 0.	.01 0	.12	