

Socio-technical analysis result (Okular)

	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	st.congruence	communicability	global.turnover	code.turnover																
1	2013-06 – 2013-08		88	80	2	6	0.9091	0.0227	0.0682	0	0.0000	0	0.0000	1	36	36	3	4	0	41	0	7	0.2222	0.5694	0.0000	0.0000																
2	2013-08 – 2013-11		123	109	3	11	0.8862	0.0244	0.0894	1	0.0081	0	0.0000	1	53	53	0	0	0	39	1	0	1.0000	1.0000	0.5592	0.2727																
3	2013-11 – 2014-03		122	101	8	13	0.8279	0.0656	0.1066	2	0.0164	0	0.0000	1	52	52	7	9	0	44	0	18	0.2174	0.7826	0.7755	0.2286																
4	2014-03 – 2014-05		115	105	3	7	0.9130	0.0261	0.0609	0	0.0000	0	0.0000	1	50	49	3	2	0	63	3	2	0.5000	0.8250	0.7595	0.8387																
5	2014-05 – 2014-08		121	112	3	6	0.9256	0.0248	0.0496	1	0.0083	0	0.0000	1	52	52	2	0	0	44	3	1	0.6667	0.8519	0.6610	0.4211																
6	2014-08 – 2014-11		84	77	3	4	0.9167	0.0357	0.0476	1	0.0119	0	0.0000	1	37	37	1	0	0	14	2	0	1.0000	1.0000	0.9854	0.6250																
7	2014-11 – 2015-02		104	100	1	3	0.9615	0.0096	0.0288	1	0.0096	1	0.2500	1	47	47	2	0	0	31	0	0	1.0000	1.0000	0.7447	0.9091																
8	2015-02 – 2015-05		99	92	2	5	0.9293	0.0202	0.0505	0	0.0000	0	0.0000	1	45	45	1	0	0	25	0	0	1.0000	1.0000	0.8670	0.1818																
9	2015-05 – 2015-08		57	51	2	4	0.8947	0.0351	0.0702	1	0.0175	0	0.0000	1	25	25	0	0	0	4	0	0	1.0000	1.0000	1.0513	0.6154																
10	2015-08 – 2015-11		77	65	3	9	0.8442	0.0390	0.1169	0	0.0000	0	0.0000	1	35	35	2	1	0	39	0	2	0.5000	0.8750	0.5821	0.1111																
11	2015-11 – 2016-02		54	51	1	2	0.9444	0.0185	0.0370	0	0.0000	0	0.0000	1	25	25	0	0	0	16	0	0	1.0000	1.0000	0.9313	1.2000																
12	2016-02 – 2016-05		84	78	3	3	0.9286	0.0357	0.0357	0	0.0000	0	0.0000	1	33	33	1	0	0	0	0	0	1.0000	1.0000	0.5362	0.2222																
		core.global.turnover		core.mail.turnover		core.code.turnover		ratio.smelly.quitters		ratio.smelly.devs		global.truck		mail.truck		code.truck		closeness.centri		betweenness.centri		degree.centri		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
1		0.0000		0.0000		0.0000		0.0000		0.4886		0.5909		0.5814		0.6250		0.3158		0.8750		0.8336		0.3834		0.1248		-0.3491		0.0400		34		1		2		0.9189		0.0270		0.0541
2		0.4270		0.3820		2.0000		0.4915		0.3171		0.5691		0.5583		1.0000		0.0384		0.7313		0.7557		0.2728		0.2728		0.0000		0.0312		53		0		0		1.0000		0.0000		0.0000
3		0.7048		0.7429		0.0000		0.3158		0.4180		0.5738		0.5439		0.6667		0.0335		0.8120		0.8163		0.2533		0.1430		0.1296		0.0267		48		3		4		0.8727		0.0545		0.0727
4		0.6471		0.6337		1.0000		0.3333		0.5739		0.5652		0.5625		0.7000		0.1071		0.8855		0.8576		0.0775		0.0799		0.0009		0.0284		47		1		2		0.9400		0.0200		0.0400
5		0.5882		0.5743		0.8000		0.5769		0.3719		0.5702		0.5593		0.7778		0.0296		0.7589		0.7992		0.1297		0.1581		-0.3544		0.0258		50		0		2		0.9615		0.0000		0.0385
6		0.8764		0.8764		0.6667		0.3663		0.1667		0.5595		0.5432		0.8571		0.1099		0.8961		0.8944		0.1635		0.1640		-0.5000		0.0333		36		0		1		0.9730		0.0000		0.0270
7		0.6667		0.6667		0.0000		0.1714		0.2981		0.5481		0.5437		0.5000		0.0351		0.7500		0.7470		0.1965		0.2019		-0.4136		0.0297		46		1		1		0.9583		0.0208		0.0208
8		0.7826		0.7826		0.6667		0.2955		0.2525		0.5455		0.5361		0.8571		0.0290		0.7714		0.8038		0.3196		0.3377		-0.5000		0.0330		44		0		1		0.9778		0.0000		0.0222
9		1.0286		1.0286		2.0000		0.2439		0.0702		0.5614		0.5455		1.0000		0.0833		0.8282		0.8465		0.1613		0.1613		0.0000		0.0464		25		0		0		1.0000		0.0000		0.0000
10		0.5000		0.5000		0.0000		0.0513		0.5325		0.5455		0.5270		0.8333		0.0389		0.7583		0.7820		0.0796		0.0945		-0.3309		0.0338		33		0		2		0.9429		0.0000		0.0571
11		0.8667		0.8667		2.0000		0.5246		0.2963		0.5370		0.5283		1.0000		0.1138		0.8085		0.7128		0.1939		0.1939		0.0000		0.0608		25		0		0		1.0000		0.0000		0.0000
12		0.5517		0.5517		0.0000		0.2432		0.0000		0.6071		0.5926		0.8333		0.0244		0.6359		0.6873		0.3293		0.3405		-0.5000		0.0356		32		0		1		0.9697		0.0000		0.0303

Community smells: Pearson's correlation (Okular)

	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	global.turnover	code.turnover																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
org.silo	0.35	0.22	0.81	0.66	-0.65	0.70	0.54	0.44	0.25	-0.16	-0.16	-	0.30	0.30	0.93	-	-	0.44	-0.11	0.99	-0.82	-0.67	-0.03	-0.24																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
radio.silence	0.70	0.66	0.31	0.62	-0.31	0.01	0.42	0.07	-0.15	0.02	0.02	-	0.73	0.72	0.57	0.44	-	-	0.53	0.39	-0.69	-0.61	-0.35	-0.05																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
black.cloud	0.47	0.51	0.04	0.07	0.15	-0.14	-0.14	0.03	-0.02	-0.22	-0.22	-	0.46	0.45	0.06	-0.11	-	0.53	-	-0.15	-0.22	-0.39	-0.06	0.16																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
missing.links	0.35	0.22	0.84	0.67	-0.66	0.73	0.55	0.50	0.31	-0.15	-0.15	-	0.31	0.31	0.92	0.99	-	0.39	-0.15	-	-0.79	-0.63	-0.04	-0.28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
		core.global.turnover		core.mail.turnover		core.code.turnover		ratio.smelly.quitters		ratio.smelly.devs		global.truck		mail.truck		code.truck		closeness.cent		betweenness.cent		degree.cent		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.silo	-0.04	0.03	-0.35	-0.09	0.45	0.29	0.07	-0.45	0.22	0.30	0.26	0.21	-0.39	0.45	-0.26	0.22	0.93	0.83	-0.90	0.92	0.74																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	

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

	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	global.turnover	code.turnover																			
org.silo	0.26	0.49	0.00	0.02	0.02	0.01	0.07	0.16	0.42	0.63	0.63	-	0.34	0.34	0.00	-	-	0.15	0.74	0.00	0.00	0.02	0.93	0.48																			
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
radio.silence	0.01	0.02	0.32	0.03	0.33	0.96	0.18	0.82	0.63	0.96	0.96	-	0.01	0.01	0.05	0.15	-	-	0.09	0.20	0.01	0.04	0.29	0.88																			
black.cloud	0.15	0.11	0.92	0.83	0.66	0.69	0.69	0.92	0.95	0.52	0.52	-	0.15	0.17	0.87	0.74	-	0.09	-	0.67	0.53	0.23	0.87	0.64																			
missing.links	0.26	0.49	0.00	0.02	0.02	0.01	0.07	0.10	0.32	0.64	0.64	-	0.33	0.32	0.00	0.00	-	0.20	0.67	-	0.00	0.03	0.91	0.40																			
		core.global.turnover		core.mail.turnover		core.code.turnover		ratio.smelly.quitters		ratio.smelly.devs		global.truck		mail.truck		code.truck		closeness.cent		betweenness.cent		degree.cent		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.silo	0.91	0.93	0.29	0.79	0.15	0.36	0.82	0.14	0.49	0.35	0.42	0.50	0.22	0.14	0.42	0.49	0.00	0.00	0.00	0.00	0.00	0.01																					
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																					
radio.silence	0.12	0.13	0.68	0.71	0.00	0.85	0.99	0.11	0.68	0.31	0.34	0.39	0.06	0.33	0.07	0.01	0.12	0.04	0.06	0.10	0.08																						
black.cloud	0.63	0.56	0.72	0.11	0.28	0.66	0.38	0.72	0.35	0.19	0.11	0.11	0.22	0.97	0.19	0.16	0.78	0.62	0.90	0.81	0.71																						
missing.links	0.90	0.93	0.27	0.85	0.20	0.38	0.91	0.17	0.63	0.47	0.50	0.49	0.27	0.17	0.41	0.47	0.00	0.00	0.00	0.00	0.01																						

Community smells: Spearman's correlation (Okular)

	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	global.turnover	code.turnover
org.silo	0.24	0.16	0.40	0.65	-0.62	0.40	0.59	-0.08	-0.14	-0.21	-0.21	-	0.19	0.19	0.82	-	-	0.68	0.04	0.93	-0.93	-0.89	-0.08	-0.22
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
radio.silence	0.68	0.71	0.38	0.74	-0.38	0.04	0.44	0.12	-0.09	-0.04	-0.04	-	0.70	0.70	0.74	0.68	-	-	0.49	0.79	-0.79	-0.82	-0.26	-0.02
black.cloud	0.48	0.61	0.38	0.30	-0.13	-0.02	0.02	0.13	0.02	-0.23	-0.23	-	0.54	0.54	0.20	0.04	-	0.49	-	0.22	-0.22	-0.34	-0.10	0.27
missing.links	0.32	0.30	0.48	0.69	-0.59	0.41	0.57	0.00	-0.10	-0.24	-0.24	-	0.29	0.29	0.87	0.93	-	0.79	0.22	-	-1.00	-0.98	-0.18	-0.26

	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.silo	-0.20	-0.20	-0.33	-0.20	0.77	0.34	0.17	-0.58	0.27	0.40	0.38	-0.03	-0.77	0.55	-0.20	0.16	0.74	0.79	-0.85	0.75	0.82
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
radio.silence	-0.43	-0.43	-0.02	0.27	0.92	0.24	0.20	-0.56	0.08	0.19	0.27	-0.27	-0.68	0.52	-0.69	0.70	0.60	0.73	-0.67	0.57	0.60
black.cloud	-0.21	-0.21	0.36	0.64	0.36	0.31	0.46	-0.10	0.21	0.30	0.45	-0.48	-0.35	0.08	-0.54	0.57	-0.01	0.23	-0.12	-0.05	0.18
missing.links	-0.30	-0.30	-0.31	-0.02	0.82	0.39	0.21	-0.63	0.16	0.32	0.34	-0.14	-0.82	0.49	-0.35	0.28	0.65	0.90	-0.87	0.65	0.89

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

	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	global.turnover	code.turnover
org.silo	0.46	0.62	0.19	0.02	0.03	0.20	0.04	0.81	0.66	0.52	0.52	-	0.55	0.55	0.00	-	-	0.02	0.91	0.00	0.00	0.00	0.81	0.52
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
radio.silence	0.01	0.01	0.22	0.01	0.22	0.91	0.16	0.72	0.78	0.89	0.89	-	0.01	0.01	0.01	0.02	-	-	0.13	0.00	0.00	0.00	0.43	0.96
black.cloud	0.14	0.04	0.25	0.37	0.71	0.95	0.95	0.69	0.95	0.49	0.49	-	0.09	0.09	0.56	0.91	-	0.13	-	0.52	0.52	0.31	0.78	0.42
missing.links	0.31	0.34	0.12	0.01	0.04	0.19	0.05	1.00	0.76	0.44	0.44	-	0.35	0.35	0.00	0.00	-	0.00	0.52	-	0.00	0.00	0.59	0.43
		core.global.turnover	core.mail.turnover	core.code.turnover	ratio.smelly.quitters	ratio.smelly.devs	global.truck	mail.truck	code.truck	closeness.cent	betweenness.cent	degree.cent	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.silo	0.56	0.56	0.32	0.56	0.00	0.29	0.61	0.05	0.39	0.20	0.22	0.22	0.93	0.00	0.06	0.54	0.62	0.01	0.00	0.00	0.01	0.00		
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
radio.silence	0.19	0.19	0.94	0.42	0.00	0.46	0.54	0.06	0.81	0.55	0.40	0.39	0.01	0.08	0.01	0.01	0.01	0.04	0.01	0.02	0.05	0.04		
black.cloud	0.54	0.54	0.28	0.03	0.27	0.36	0.16	0.78	0.53	0.37	0.16	0.14	0.29	0.81	0.09	0.07	0.98	0.50	0.72	0.88	0.60			
missing.links	0.37	0.37	0.35	0.95	0.00	0.21	0.52	0.03	0.61	0.30	0.27	0.65	0.00	0.10	0.27	0.38	0.02	0.00	0.00	0.02	0.00			