

Socio-technical analysis result ( libuv )

	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.code.devs	ratio.sponsored.code	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	2013-05 – 2013-08	30	12	16	2	0.4000	0.5333	0.0667	4	0.1333	0	0.0000	1	10	7	4	9	0	8	0	10	0.0000	0.5667	0.0000	0.0000	
2	2013-08 – 2013-11	41	25	11	5	0.6098	0.2683	0.1220	5	0.1220	0	0.0000	1	13	13	3	3	0	2	0	4	0.3333	0.7917	0.4789	0.6471	
3	2013-11 – 2014-02	56	18	33	5	0.3214	0.5893	0.0893	10	0.1786	2	0.0526	1	16	11	9	20	0	0	0	22	0.1200	0.8179	0.4948	0.2222	
4	2014-02 – 2014-05	59	29	26	4	0.4915	0.4407	0.0678	7	0.1186	2	0.0667	1	18	13	7	20	0	19	0	20	0.0909	0.7742	0.5739	0.7059	
5	2014-05 – 2014-08	58	30	23	5	0.5172	0.3966	0.0862	3	0.0517	0	0.0000	1	22	16	8	22	0	14	0	22	0.1538	0.7706	0.7009	0.7931	
6	2014-08 – 2014-11	41	19	18	4	0.4634	0.4390	0.0976	1	0.0244	0	0.0000	1	13	11	4	7	0	4	0	7	0.1250	0.8636	0.8687	0.8800	
7	2014-11 – 2015-02	48	24	20	4	0.5000	0.4167	0.0833	7	0.1458	0	0.0000	1	13	11	5	9	0	0	0	9	0.1818	0.8447	0.5843	0.6522	
8	2015-02 – 2015-05	43	16	23	4	0.3721	0.5349	0.0930	8	0.1860	1	0.0370	1	16	10	8	15	0	0	0	15	0.0625	0.6690	0.8352	0.8235	
9	2015-05 – 2015-08	48	20	23	5	0.4167	0.4792	0.1042	5	0.1042	3	0.1071	1	19	13	8	17	0	2	0	17	0.1500	0.7196	0.7692	0.8364	
10	2015-08 – 2015-11	49	19	26	4	0.3878	0.5306	0.0816	8	0.1633	1	0.0333	1	15	11	4	9	0	0	0	9	0.0000	0.8333	0.7423	0.6552	
11	2015-11 – 2016-02	42	19	20	3	0.4524	0.4762	0.0714	4	0.0952	2	0.0870	1	15	11	5	8	0	4	0	8	0.1111	0.7971	0.8571	0.8679	
12	2016-02 – 2016-05	45	22	17	6	0.4889	0.3778	0.1333	8	0.1778	1	0.0435	1	15	13	6	15	0	2	0	18	0.1818	0.7549	0.5977	0.6087	
	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					
1	0.0000	0.0000	0.0000	0.0000	0.5333	0.6667	0.5000	0.7778	0.0503	0.4264	0.5609	0.0180	0.0921	-0.2949	0.0598	6	3	1	0.6000	0.3000	0.1000					
2	0.5217	0.2000	0.8571	0.5294	0.1951	0.6829	0.5667	0.8125	0.0482	0.5010	0.5890	0.2193	0.2487	-0.3050	0.0610	10	0	3	0.7692	0.0000	0.2308					
3	0.4828	0.5833	0.0000	0.0833	0.2857	0.7143	0.5217	0.7632	0.0225	0.2897	0.4377	0.3263	0.4208	0.2900	0.0351	7	5	4	0.4375	0.3125	0.2500					
4	0.5294	0.4167	0.7500	0.2727	0.5085	0.6949	0.6061	0.7667	0.0228	0.2669	0.5050	0.0771	0.0168	0.1076	0.0468	11	5	2	0.6111	0.2778	0.1111					
5	0.5000	0.3448	0.5333	0.5122	0.4483	0.6207	0.5429	0.7143	0.0285	0.3174	0.4797	0.2092	0.0312	0.3702	0.0641	13	5	3	0.6190	0.2381	0.1429					
6	0.8571	0.8148	1.0000	0.4419	0.2439	0.6829	0.5217	0.8182	0.0296	0.1782	0.4671	0.3060	0.0592	0.3247	0.0829	10	3	1	0.7143	0.2143	0.0714					
7	0.6154	0.6364	0.6667	0.2308	0.2083	0.7292	0.6071	0.7917	0.0261	0.2479	0.4149	0.1743	0.2868	0.1573	0.0532	8	2	3	0.6154	0.1538	0.2308					
8	0.5517	0.5714	0.4615	0.1579	0.3256	0.6279	0.5000	0.7037	0.0363	0.4418	0.5443	0.1251	0.3706	0.1284	0.0509	8	6	2	0.5000	0.3750	0.1250					
9	0.6286	0.5217	0.8750	0.3429	0.3333	0.6042	0.4800	0.7143	0.0370	0.5478	0.6321	0.4107	0.2445	0.3951	0.0488	11	6	2	0.5789	0.3158	0.1053					
10	0.7647	0.6667	1.1667	0.2500	0.1633	0.6939	0.5217	0.8667	0.0228	0.1787	0.2951	0.1591	0.2526	0.0457	0.0383	10	3	1	0.7143	0.2143	0.0714					
11	0.7333	0.6364	0.6667	0.1282	0.2857	0.6429	0.5000	0.7826	0.0309	0.3011	0.3937	0.3873	0.4410	0.2668	0.0453	9	3	2	0.6429	0.2143	0.1429					
12	0.6667	0.5000	0.5455	0.2308	0.2667	0.6667	0.5357	0.7391	0.0363	0.2969	0.3889	0.2921	0.4227	0.3031	0.0657	9	2	4	0.6000	0.1333	0.2667					

Community smells: Pearson's correlation ( libuv )

	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	0.74	0.34	0.70	0.39	-0.32	0.31	-0.12	0.33	0.10	0.46	0.37	-	0.79	0.45	0.92	-	-	0.45	-	0.99	-0.19	-0.13	-0.14	-0.25
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
radio.silence	0.37	0.55	0.06	-0.17	0.31	-0.17	-0.43	-0.33	-0.45	-0.01	-0.02	-	0.41	0.35	0.16	0.45	-	-	-	0.40	-0.13	-0.17	-0.08	0.24
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
missing.links	0.71	0.30	0.67	0.45	-0.32	0.29	-0.02	0.39	0.17	0.44	0.35	-	0.74	0.43	0.90	0.99	-	0.40	-	-	-0.15	-0.14	-0.22	-0.34
	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	-0.56	-0.19	-0.57	-0.19	0.53	-0.27	0.01	-0.70	-0.44	0.01	0.08	0.03	-0.11	0.57	-0.28	0.30	0.79	0.38	-0.70	0.59	0.06			
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
radio.silence	-0.29	-0.39	0.04	0.34	0.80	-0.14	0.37	-0.21	-0.12	-0.10	0.20	-0.39	-0.74	-0.01	0.16	0.48	0.26	-0.14	0.08	0.15	-0.31			
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
missing.links	-0.57	-0.22	-0.63	-0.22	0.50	-0.23	0.00	-0.69	-0.39	0.02	0.06	0.05	-0.04	0.54	-0.27	0.23	0.72	0.47	-0.72	0.53	0.17			

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

	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	0.01	0.28	0.01	0.21	0.31	0.33	0.72	0.29	0.77	0.14	0.24	-	0.00	0.14	0.00	-	-	0.15	-	0.00	0.55	0.69	0.69	0.47
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
radio.silence	0.24	0.06	0.84	0.61	0.32	0.59	0.16	0.29	0.14	0.97	0.96	-	0.18	0.27	0.62	0.15	-	-	-	0.20	0.69	0.59	0.81	0.48
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
missing.links	0.01	0.34	0.02	0.14	0.32	0.37	0.94	0.21	0.60	0.15	0.26	-	0.01	0.16	0.00	0.00	-	0.20	-	-	0.64	0.65	0.51	0.30
	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	0.08	0.57	0.07	0.57	0.08	0.39	0.98	0.01	0.15	0.97	0.81	0.92	0.73	0.06	0.37	0.35	0.00	0.22	0.01	0.04	0.86			
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
radio.silence	0.39	0.23	0.91	0.31	0.00	0.67	0.24	0.52	0.72	0.77	0.53	0.21	0.01	0.97	0.62	0.12	0.42	0.66	0.81	0.64	0.32			
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
missing.links	0.07	0.52	0.04	0.51	0.10	0.47	0.99	0.01	0.21	0.95	0.86	0.87	0.91	0.07	0.40	0.48	0.01	0.12	0.01	0.08	0.61			

Community smells: Spearman's correlation ( libuv )

	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	0.80	0.23	0.68	0.39	-0.15	0.24	-0.09	0.32	0.16	0.42	0.37	-	0.83	0.38	0.87	-	-	0.13	-	0.98	-0.09	-0.37	-0.23	-0.18																			
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
radio.silence	-0.01	0.36	-0.22	-0.20	0.45	-0.32	-0.34	-0.71	-0.73	-0.11	-0.03	-	0.12	0.36	-0.11	0.13	-	-	-	0.14	-0.05	-0.26	0.14	0.45																			
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
missing.links	0.73	0.15	0.60	0.42	-0.19	0.25	-0.06	0.36	0.24	0.39	0.35	-	0.74	0.33	0.85	0.98	-	0.14	-	-	-0.08	-0.40	-0.30	-0.32																			
		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	-0.57	-0.39	-0.53	-0.14	0.60	-0.16	0.05	-0.75	-0.40	0.11	0.08	0.08	-0.07	-0.21	0.43	-0.25	0.24	0.69	0.37	-0.65	0.58	0.19																					
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
radio.silence	0.01	-0.36	0.17	0.49	0.62	-0.29	0.09	-0.07	0.18	0.08	0.29	-0.14	-0.64	0.10	0.35	0.45	0.07	-0.24	0.23	0.00	-0.25																						
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																				
missing.links	-0.56	-0.36	-0.60	-0.23	0.60	-0.12	0.05	-0.74	-0.36	0.09	0.02	-0.07	-0.12	0.41	-0.20	0.11	0.60	0.44	-0.70	0.53	0.28																						

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

	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	0.00	0.48	0.01	0.20	0.65	0.45	0.78	0.32	0.61	0.18	0.23	-	0.00	0.23	0.00	-	-	0.68	-	0.00	0.79	0.24	0.50	0.59
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
radio.silence	0.96	0.25	0.49	0.54	0.14	0.32	0.28	0.01	0.01	0.74	0.92	-	0.71	0.25	0.74	0.68	-	-	-	0.68	0.87	0.42	0.69	0.17
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
missing.links	0.01	0.64	0.04	0.17	0.56	0.44	0.85	0.25	0.46	0.21	0.26	-	0.01	0.29	0.00	0.00	-	0.68	-	-	0.81	0.20	0.38	0.33
	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	0.07	0.24	0.10	0.69	0.04	0.62	0.88	0.01	0.20	0.73	0.81	0.82	0.52	0.16	0.44	0.46	0.01	0.23	0.02	0.05	0.55			
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
radio.silence	0.98	0.27	0.63	0.13	0.03	0.35	0.79	0.83	0.57	0.81	0.37	0.66	0.03	0.76	0.27	0.14	0.82	0.45	0.47	1.00	0.43			
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
missing.links	0.07	0.27	0.05	0.49	0.04	0.71	0.89	0.01	0.24	0.78	0.96	0.84	0.70	0.19	0.53	0.74	0.04	0.15	0.01	0.08	0.37			