

Socio-technical analysis result (Firefox)

	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 – 2013-09	568	45	483	40	0.0792	0.8504	0.0704	66	0.1162	2	0.0038	28	188	40	168	5400	0	24	0	5472	0.0074	0.8225	0.0000	0.0000		
2	2013-09 – 2013-12	593	39	510	44	0.0658	0.8600	0.0742	90	0.1518	4	0.0072	32	164	38	155	6698	0	19	0	6784	0.0029	0.8040	0.2705	0.2470		
3	2013-12 – 2014-03	652	32	587	33	0.0491	0.9003	0.0506	104	0.1595	4	0.0065	30	187	30	182	6707	0	7	0	6784	0.0019	0.8313	0.2779	0.2572		
4	2014-03 – 2014-06	642	32	570	40	0.0498	0.8879	0.0623	80	0.1246	10	0.0164	31	188	32	179	7732	0	22	0	7801	0.0028	0.8090	0.3648	0.3496		
5	2014-06 – 2014-09	723	44	643	36	0.0609	0.8893	0.0498	88	0.1217	6	0.0088	31	220	40	213	10224	0	14	0	10327	0.0039	0.8062	0.2930	0.2839		
6	2014-09 – 2014-12	552	29	488	35	0.0525	0.8841	0.0634	55	0.0996	3	0.0057	32	160	30	153	3797	0	4	0	3841	0.0044	0.8749	0.4831	0.4576		
7	2014-12 – 2015-03	695	33	621	41	0.0475	0.8935	0.0590	71	0.1022	5	0.0076	30	180	31	175	7169	0	5	0	7317	0.0044	0.8303	0.2566	0.2363		
8	2015-03 – 2015-05	590	31	525	34	0.0525	0.8898	0.0576	63	0.1068	6	0.0107	36	153	28	145	6414	2	16	0	6522	0.0044	0.8109	0.4405	0.4292		
9	2015-05 – 2015-08	681	68	578	35	0.0999	0.8488	0.0514	71	0.1043	4	0.0065	31	188	50	168	9841	2	10	0	9994	0.0027	0.7734	0.2785	0.2935		
10	2015-08 – 2015-11	542	37	469	36	0.0683	0.8653	0.0664	47	0.0867	2	0.0040	34	144	33	132	4578	0	2	0	4660	0.0051	0.8131	0.4481	0.4132		
11	2015-11 – 2016-02	744	51	638	55	0.0685	0.8575	0.0739	78	0.1048	10	0.0144	31	191	47	179	9892	0	29	0	10165	0.0093	0.7990	0.2146	0.1987		
12	2016-02 – 2016-05	459	65	349	45	0.1416	0.7603	0.0980	34	0.0741	6	0.0152	34	140	48	112	1745	0	27	0	1788	0.0116	0.8807	0.6101	0.6495		
	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						
1	0.0000	0.0000	0.0000	0.0000	0.7870	0.6690	0.5294	0.6788	0.0030	0.0686	0.2882	0.4853	0.1881	0.4809	0.0381	33	161	7	0.1642	0.8010	0.0348						
2	0.4318	0.7436	0.3963	0.6051	0.7437	0.7234	0.5422	0.7202	0.0028	0.0795	0.3467	0.4800	0.4531	0.4809	0.0401	28	145	10	0.1530	0.7923	0.0546						
3	0.3134	0.6471	0.3145	0.5376	0.7408	0.7132	0.5385	0.7065	0.0024	0.0997	0.3590	0.5443	0.4648	0.5421	0.0328	20	172	10	0.0990	0.8515	0.0495						
4	0.3893	0.4839	0.4044	0.5254	0.7882	0.7072	0.5556	0.7066	0.0027	0.1172	0.4067	0.4826	0.2101	0.4831	0.0395	21	168	11	0.1050	0.8400	0.0550						
5	0.2892	0.4167	0.2857	0.5800	0.7870	0.6957	0.5000	0.6863	0.0024	0.0370	0.2833	0.5648	0.3846	0.5680	0.0408	26	199	14	0.1088	0.8326	0.0586						
6	0.5000	0.6857	0.5137	0.6169	0.7355	0.7101	0.5312	0.7075	0.0029	0.0603	0.1879	0.5946	0.4845	0.5948	0.0262	17	140	13	0.1000	0.8235	0.0765						
7	0.3000	0.7213	0.3049	0.5125	0.6892	0.7410	0.5811	0.7356	0.0021	0.0775	0.3418	0.5285	0.5928	0.5381	0.0314	18	162	13	0.0933	0.8394	0.0674						
8	0.4745	0.7458	0.4938	0.4346	0.7305	0.7407	0.5692	0.7406	0.0026	0.0431	0.2562	0.5546	0.3806	0.5549	0.0392	18	135	10	0.1104	0.8282	0.0613						
9	0.2170	0.3846	0.2620	0.5311	0.7313	0.7239	0.5146	0.7259	0.0025	0.0767	0.3494	0.5125	0.3648	0.5078	0.0462	37	155	13	0.1805	0.7561	0.0634						
10	0.5000	0.9157	0.4867	0.5365	0.7472	0.7343	0.5479	0.7386	0.0031	0.1423	0.4062	0.4726	0.4125	0.4717	0.0337	22	121	11	0.1429	0.7857	0.0714						
11	0.1552	0.3750	0.1543	0.5145	0.7661	0.7433	0.5566	0.7417	0.0022	0.0411	0.2891	0.4695	0.3499	0.4743	0.0393	25	157	22	0.1225	0.7696	0.1078						
12	0.5801	0.5684	0.6598	0.6458	0.6667	0.6950	0.5636	0.7157	0.0034	0.1546	0.3044	0.5355	0.3805	0.5524	0.0231	31	95	17	0.2168	0.6643	0.1189						

Community smells: Pearson's correlation (Firefox)

	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
org.silo	0.94	0.10	0.91	0.10	-0.36	0.49	-0.63	0.69	0.39	0.43	0.09	-0.36	0.82	0.22	0.82	-	0.26	0.06	-	1.00	-0.41	-0.83	-0.86
prima.donnas	0.09	0.26	0.07	-0.37	0.11	0.05	-0.35	-0.09	-0.14	-0.03	-0.03	0.40	-0.10	0.11	-0.12	0.26	-	-0.10	-	0.26	-0.24	-0.45	0.01
radio.silence	-0.03	0.43	-0.15	0.71	0.43	-0.53	0.60	-0.03	-0.02	0.58	0.67	-0.06	0.11	0.54	-0.04	0.06	-0.10	-	-	0.06	0.61	-0.05	0.03
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
missing.links	0.94	0.10	0.91	0.12	-0.36	0.48	-0.62	0.69	0.38	0.43	0.10	-0.36	0.81	0.23	0.82	1.00	0.26	0.06	-	-	-0.40	-0.83	-0.86
	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.silo	-0.82	-0.90	-0.62	-0.91	-0.45	0.52	0.28	-0.36	0.05	-0.81	-0.61	0.17	-0.19	-0.10	-0.23	0.82	0.14	0.78	0.21	-0.36	0.38	-0.26	
prima.donnas	0.05	-0.12	-0.12	-0.04	-0.55	-0.15	0.33	-0.05	0.36	-0.15	-0.28	-0.11	0.17	-0.07	0.12	0.48	0.20	-0.10	-0.13	0.15	-0.06	-0.12	
radio.silence	0.11	-0.08	-0.54	-0.02	0.10	0.18	-0.31	0.14	-0.16	0.17	-0.05	-0.09	-0.40	-0.64	-0.35	0.16	0.44	-0.09	0.35	0.42	-0.46	0.31	
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
missing.links	-0.82	-0.91	-0.62	-0.92	-0.46	0.51	0.29	-0.35	0.06	-0.81	-0.61	0.17	-0.19	-0.10	-0.24	0.82	0.14	0.78	0.22	-0.35	0.38	-0.25	

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

	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
org.silo	0.00	0.76	0.00	0.75	0.24	0.11	0.03	0.01	0.21	0.16	0.77	0.25	0.00	0.49	0.00	-	0.41	0.85	-	0.00	0.18	0.00	0.00
prima.donnas	0.79	0.41	0.82	0.23	0.73	0.89	0.26	0.79	0.67	0.93	0.92	0.20	0.77	0.74	0.70	0.41	-	0.77	-	0.41	0.45	0.15	0.99
radio.silence	0.92	0.16	0.64	0.01	0.16	0.08	0.04	0.93	0.94	0.05	0.02	0.85	0.74	0.07	0.90	0.85	0.77	-	-	0.84	0.03	0.88	0.93
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
missing.links	0.00	0.75	0.00	0.72	0.25	0.11	0.03	0.01	0.22	0.16	0.77	0.25	0.00	0.48	0.00	0.00	0.41	0.84	-	-	0.20	0.00	0.00

	code.turnover	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	0.00	0.00	0.04	0.00	0.16	0.09	0.38	0.26	0.89	0.00	0.03	0.60	0.56	0.75	0.47	0.00	0.67	0.00	0.51	0.26	0.22	0.42
prima.donnas	0.87	0.73	0.73	0.91	0.08	0.65	0.30	0.89	0.24	0.64	0.38	0.72	0.60	0.83	0.72	0.11	0.53	0.75	0.69	0.64	0.86	0.72
radio.silence	0.75	0.81	0.09	0.95	0.77	0.57	0.33	0.67	0.62	0.60	0.88	0.79	0.19	0.02	0.27	0.62	0.15	0.77	0.27	0.17	0.13	0.32
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
missing.links	0.00	0.00	0.04	0.00	0.16	0.09	0.36	0.27	0.86	0.00	0.03	0.61	0.55	0.76	0.46	0.00	0.67	0.00	0.49	0.26	0.23	0.44

Community smells: Spearman's correlation (Firefox)

	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
org.silo	0.95	0.24	0.92	0.05	-0.19	0.24	-0.52	0.71	0.48	0.52	0.33	-0.46	0.86	0.24	0.84	-	0.13	0.15	-	1.00	-0.45	-0.73	-0.69
prima.donnas	0.06	0.06	0.06	-0.49	0.16	-0.06	-0.39	-0.16	-0.06	0.07	0.03	0.30	-0.07	0.00	-0.23	0.13	-	-0.06	-	0.13	-0.26	-0.39	0.07
radio.silence	0.10	0.49	-0.01	0.62	0.47	-0.50	0.50	0.11	0.21	0.56	0.56	-0.06	0.29	0.50	0.08	0.15	-0.06	-	-	0.16	0.37	-0.24	-0.18
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
missing.links	0.95	0.25	0.90	0.08	-0.18	0.21	-0.49	0.71	0.48	0.52	0.34	-0.44	0.85	0.26	0.82	1.00	0.13	0.16	-	-	-0.44	-0.76	-0.70

	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.silo	-0.70	-0.94	-0.67	-0.91	-0.43	0.41	0.29	-0.22	0.03	-0.82	-0.48	0.16	-0.16	-0.19	-0.11	0.73	0.14	0.73	0.28	-0.25	0.27	-0.22
prima.donnas	0.22	-0.15	0.00	-0.07	-0.45	-0.39	0.32	0.00	0.39	-0.13	-0.26	-0.13	0.19	-0.19	0.19	0.39	0.10	-0.26	-0.13	0.26	-0.19	0.00
radio.silence	-0.14	-0.19	-0.51	-0.12	-0.05	0.23	-0.24	0.17	-0.05	0.07	-0.10	-0.13	-0.34	-0.74	-0.22	0.21	0.50	0.01	0.14	0.48	-0.31	-0.03
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
missing.links	-0.71	-0.94	-0.66	-0.91	-0.42	0.41	0.30	-0.21	0.05	-0.80	-0.48	0.15	-0.18	-0.19	-0.12	0.76	0.15	0.71	0.28	-0.23	0.24	-0.21

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

	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
org.silo	0.00	0.46	0.00	0.88	0.55	0.46	0.08	0.01	0.12	0.09	0.29	0.13	0.00	0.45	0.00	-	0.69	0.65	-	0.00	0.14	0.01	0.02
prima.donnas	0.84	0.84	0.84	0.11	0.61	0.84	0.21	0.61	0.84	0.84	0.92	0.35	0.84	1.00	0.48	0.69	-	0.84	-	0.69	0.41	0.21	0.83
radio.silence	0.75	0.10	0.99	0.03	0.13	0.10	0.10	0.75	0.51	0.06	0.06	0.85	0.36	0.10	0.79	0.65	0.84	-	-	0.62	0.23	0.44	0.60
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
missing.links	0.00	0.43	0.00	0.80	0.59	0.50	0.10	0.01	0.11	0.09	0.28	0.15	0.00	0.42	0.00	0.00	0.69	0.62	-	0.15	0.00	0.02	

	code.turnover	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	0.02	0.00	0.03	0.00	0.19	0.19	0.35	0.50	0.92	0.00	0.12	0.62	0.62	0.56	0.75	0.01	0.67	0.01	0.37	0.43	0.40	0.50
prima.donnas	0.51	0.66	1.00	0.83	0.17	0.21	0.30	1.00	0.21	0.69	0.42	0.69	0.55	0.55	0.54	0.21	0.76	0.42	0.68	0.42	0.55	1.00
radio.silence	0.69	0.58	0.11	0.73	0.90	0.47	0.44	0.59	0.89	0.83	0.77	0.70	0.29	0.01	0.48	0.51	0.10	0.97	0.66	0.12	0.32	0.92
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
missing.links	0.02	0.00	0.03	0.00	0.20	0.18	0.35	0.50	0.88	0.00	0.11	0.63	0.57	0.55	0.71	0.00	0.63	0.01	0.37	0.48	0.45	0.50