

Socio-technical analysis result (Lucene)

	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		89	63	6	20	0.7079	0.0674	0.2247	2	0.0225	0	0.0000	2	29	28	11	22	0	40	0	24	0.6000	0.8795	0.0000	0.0000	
2	2013-09 – 2013-12		104	79	5	20	0.7596	0.0481	0.1923	0	0.0000	0	0.0000	3	35	34	9	9	0	61	0	15	0.7059	0.9043	0.3731	0.1961	
3	2013-12 – 2014-03		104	73	8	23	0.7019	0.0769	0.2212	6	0.0577	0	0.0000	2	35	34	11	18	0	57	0	20	0.7059	0.9056	0.3942	0.0714	
4	2014-03 – 2014-06		93	65	9	19	0.6989	0.0968	0.2043	4	0.0430	1	0.0357	3	32	31	13	35	0	41	1	36	0.6505	0.8408	0.4264	0.2034	
5	2014-06 – 2014-09		84	60	5	19	0.7143	0.0595	0.2262	0	0.0000	0	0.0000	2	31	30	11	19	0	22	0	30	0.5652	0.8176	0.4407	0.2692	
6	2014-09 – 2014-12		90	64	8	18	0.7111	0.0889	0.2000	0	0.0000	0	0.0000	3	33	32	12	28	0	39	0	39	0.5000	0.7766	0.3333	0.0800	
7	2014-12 – 2015-03		85	55	10	20	0.6471	0.1176	0.2353	5	0.0588	0	0.0000	2	30	28	14	46	0	35	0	54	0.5135	0.7844	0.4000	0.0357	
8	2015-03 – 2015-06		94	61	11	22	0.6489	0.1170	0.2340	2	0.0213	0	0.0000	3	33	30	16	52	0	22	0	67	0.4274	0.7685	0.3017	0.0635	
9	2015-06 – 2015-08		103	69	12	22	0.6699	0.1165	0.2136	1	0.0097	0	0.0000	2	33	31	15	51	0	51	0	58	0.4021	0.7729	0.2843	0.0597	
10	2015-08 – 2015-11		97	67	8	22	0.6907	0.0825	0.2268	2	0.0206	0	0.0000	3	37	36	12	29	0	35	0	35	0.4355	0.8048	0.4100	0.1875	
11	2015-11 – 2016-02		104	70	12	22	0.6731	0.1154	0.2115	1	0.0096	1	0.0294	17	39	36	15	68	0	49	0	76	0.3274	0.6944	0.3284	0.0625	
12	2016-02 – 2016-05		109	70	13	26	0.6422	0.1193	0.2385	2	0.0183	0	0.0000	20	40	37	18	88	0	46	0	98	0.4335	0.7626	0.3474	0.1096	
	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	0.5730	0.6742	0.6627	0.5769	0.1073	0.1780	0.3871		0.3152	0.1499	0.3257	0.1356	20	3	8	0.6452		0.0968		0.2581			
2	0.1250	0.1290	0.5000	0.5278	0.6538	0.6635	0.6566	0.6400	0.1774	0.1302	0.3732		0.3543	0.1603	0.3269	0.1510	26	1	8	0.7429		0.0286		0.2286			
3	0.1714	0.1471	0.3000	0.6341	0.6346	0.6635	0.6458	0.6452	0.0373	0.1493	0.4221		0.2453	0.1113	0.3393	0.1507	24	1	10	0.6857		0.0286		0.2857			
4	0.3881	0.3692	0.4167	0.7143	0.5914	0.6559	0.6310	0.5357	0.0350	0.1085	0.3983		0.2382	0.1174	0.2583	0.1452	20	2	11	0.6061		0.0606		0.3333			
5	0.2222	0.2295	0.4167	0.5385	0.4167	0.6310	0.6203	0.5417	0.0378	0.1692	0.3795		0.1045	0.1411	0.2059	0.1386	22	3	8	0.6667		0.0909		0.2424			
6	0.1875	0.2258	0.1739	0.3793	0.5667	0.6333	0.6098	0.5385	0.1021	0.1062	0.3830		0.3526	0.2205	0.4004	0.1788	24	4	8	0.6667		0.1111		0.2222			
7	0.3175	0.3667	0.1538	0.5143	0.6000	0.6471	0.6267	0.5333	0.0930	0.0920	0.3653		0.2100	0.0349	0.2043	0.1824	17	3	11	0.5484		0.0968		0.3548			
8	0.1905	0.2069	0.2000	0.5926	0.4787	0.6489	0.6386	0.5152	0.0660	0.1427	0.3571		0.3827	0.1221	0.4015	0.1482	19	5	11	0.5429		0.1429		0.3143			
9	0.2121	0.1967	0.3871	0.3571	0.6699	0.6796	0.6593	0.5588	0.0350	0.1027	0.3704		0.3750	0.1200	0.4475	0.1492	23	7	8	0.6053		0.1842		0.2105			
10	0.1429	0.1194	0.4444	0.6341	0.5052	0.6186	0.5955	0.6000	0.3880	0.1437	0.3628		0.4330	0.0764	0.5771	0.1789	29	5	7	0.7073		0.1220		0.1707			
11	0.2895	0.3333	0.0000	0.3939	0.6731	0.6250	0.6087	0.5588	0.0697	0.1187	0.4373		0.3249	0.1530	0.4551	0.1647	25	4	11	0.6250		0.1000		0.2750			
12	0.2785	0.3014	0.1818	0.6486	0.6422	0.6330	0.6146	0.5385	0.0521	0.1184	0.4169		0.3850	0.2273	0.4005	0.1757	26	7	11	0.5909		0.1591		0.2500			

Community smells: Pearson's correlation (Lucene)

	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	0.41	-0.09	0.92	0.66	-0.84	0.87	0.45	0.02	0.01	0.26	0.22	0.81	0.54	0.34	0.96	-	-	-0.05	-0.07	0.99	-0.75	-0.79	-0.51	-0.
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
radio.silence	0.74	0.84	0.06	0.27	0.33	-0.14	-0.53	0.11	0.05	0.13	0.12	0.22	0.40	0.47	-0.19	-0.05	-	-	-0.02	-0.14	0.30	0.32	-0.19	-0.
black.cloud	-0.16	-0.08	-0.02	-0.32	0.11	0.03	-0.31	0.31	0.32	0.67	0.75	-0.13	-0.24	-0.18	-0.03	-0.07	-	-0.02	-	-0.16	0.35	0.20	0.38	0.
missing.links	0.36	-0.13	0.90	0.63	-0.84	0.86	0.47	-0.06	-0.07	0.19	0.15	0.78	0.52	0.31	0.97	0.99	-	-0.14	-0.16	-	-0.79	-0.83	-0.55	-0.
	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	0.49	0.56	-0.66	-0.07	0.32	-0.29	-0.33	-0.56	-0.28	-0.45	0.34	0.33	0.23	0.29	0.41	0.01	0.74	0.62	-0.69	0.67	0.19			
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
radio.silence	-0.15	-0.19	0.10	-0.15	0.89	0.41	0.36	0.69	-0.03	-0.26	0.48	0.26	0.20	0.18	0.03	0.44	-0.22	-0.03	0.43	-0.35	-0.18			
black.cloud	0.66	0.47	0.27	0.48	0.03	0.18	0.05	-0.21	-0.20	-0.24	0.13	-0.24	-0.10	-0.31	-0.31	-0.30	-0.29	0.31	-0.15	-0.28	0.42			
missing.links	0.42	0.52	-0.68	-0.12	0.22	-0.35	-0.37	-0.61	-0.27	-0.44	0.27	0.33	0.25	0.29	0.42	0.00	0.77	0.59	-0.69	0.71	0.16			

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

	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	0.19	0.79	0.00	0.02	0.00	0.00	0.14	0.95	0.97	0.42	0.48	0.00	0.07	0.28	0.00	-	-	0.88	0.83	0.00	0.00	0.00	0.11	0.12																			
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
radio.silence	0.01	0.00	0.86	0.39	0.29	0.67	0.08	0.73	0.87	0.68	0.71	0.50	0.19	0.12	0.55	0.88	-	-	0.96	0.67	0.35	0.31	0.59	0.56																			
black.cloud	0.64	0.81	0.95	0.34	0.75	0.93	0.36	0.36	0.34	0.02	0.01	0.71	0.47	0.59	0.92	0.83	-	0.96	-	0.64	0.29	0.55	0.25	0.30																			
missing.links	0.26	0.68	0.00	0.03	0.00	0.00	0.13	0.85	0.84	0.56	0.64	0.00	0.08	0.33	0.00	0.00	-	0.67	0.64	-	0.00	0.00	0.08	0.13																			
		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	0.13	0.08	0.03	0.83	0.31	0.35	0.29	0.06	0.38	0.14	0.27	0.30	0.48	0.35	0.19	0.97	0.01	0.03	0.01	0.02	0.56																						
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
radio.silence	0.67	0.57	0.78	0.67	0.00	0.18	0.24	0.01	0.92	0.41	0.11	0.41	0.53	0.59	0.94	0.15	0.48	0.93	0.16	0.27	0.57																						
black.cloud	0.03	0.14	0.42	0.13	0.94	0.59	0.88	0.53	0.55	0.47	0.71	0.47	0.76	0.35	0.35	0.37	0.39	0.35	0.66	0.41	0.20																						
missing.links	0.20	0.10	0.02	0.72	0.48	0.26	0.24	0.03	0.40	0.15	0.40	0.30	0.43	0.36	0.17	0.99	0.00	0.04	0.01	0.01	0.62																						

Community smells: Spearman’s correlation (Lucene)

	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	-0.09	0.94	0.43	-0.88	0.91	0.45	0.17	0.13	0.32	0.30	0.51	0.31	0.19	0.98	-	-	-0.15	0.00	0.97	-0.84	-0.90	-0.50	-0.49
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
radio.silence	0.73	0.89	0.10	0.34	0.14	-0.15	-0.54	-0.01	-0.09	0.20	0.18	0.12	0.45	0.49	-0.16	-0.15	-	-	0.00	-0.19	0.22	0.22	-0.30	-0.13
black.cloud	-0.20	-0.10	0.00	-0.36	0.10	0.00	-0.30	0.31	0.30	0.67	0.74	0.11	-0.30	-0.15	0.00	0.00	-	0.00	-	-0.10	0.30	0.30	0.40	0.40
missing.links	0.22	-0.13	0.92	0.35	-0.82	0.90	0.40	0.03	-0.01	0.26	0.23	0.51	0.31	0.19	0.97	0.97	-	-0.19	-0.10	-	-0.87	-0.96	-0.60	-0.53
		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	0.59	0.48	-0.60	-0.00	0.26	-0.30	-0.34	-0.59	-0.25	-0.49	0.01	0.38	0.09	0.45	0.25	-0.08	0.76	0.61	-0.80	0.75	0.21			
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
radio.silence	-0.25	-0.25	0.11	-0.13	0.86	0.48	0.36	0.60	-0.17	-0.14	0.53	0.12	0.24	0.17	0.02	0.46	-0.26	0.01	0.31	-0.25	-0.13			
black.cloud	0.50	0.50	0.25	0.50	-0.10	0.20	0.10	-0.30	-0.45	-0.20	0.20	-0.30	-0.20	-0.30	-0.40	-0.30	-0.30	0.32	-0.10	-0.30	0.40			
missing.links	0.55	0.48	-0.71	-0.15	0.22	-0.35	-0.41	-0.64	-0.26	-0.55	0.02	0.35	0.20	0.43	0.30	-0.07	0.78	0.59	-0.78	0.77	0.15			

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

	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	0.41	0.77	0.00	0.16	0.00	0.00	0.15	0.61	0.69	0.30	0.34	0.09	0.32	0.55	0.00	-	-	0.64	1.00	0.00	0.00	0.00	0.12	0.13																			
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
radio.silence	0.01	0.00	0.75	0.27	0.66	0.63	0.07	0.97	0.78	0.54	0.57	0.71	0.15	0.11	0.62	0.64	-	-	1.00	0.56	0.50	0.48	0.37	0.75																			
black.cloud	0.55	0.77	1.00	0.28	0.77	1.00	0.37	0.36	0.37	0.02	0.01	0.75	0.36	0.66	1.00	1.00	-	1.00	-	0.77	0.37	0.37	0.22	0.22																			
missing.links	0.50	0.69	0.00	0.27	0.00	0.00	0.20	0.93	0.97	0.42	0.47	0.09	0.32	0.55	0.00	0.00	-	0.56	0.77	-	0.00	0.00	0.06	0.09																			
		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	0.06	0.14	0.05	0.99	0.42	0.35	0.28	0.04	0.43	0.11	0.97	0.22	0.78	0.14	0.43	0.80	0.00	0.03	0.00	0.00	0.00	0.51																					
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																				
radio.silence	0.46	0.46	0.74	0.71	0.00	0.12	0.24	0.04	0.61	0.66	0.07	0.72	0.46	0.60	0.94	0.13	0.41	0.97	0.33	0.43	0.70																						
black.cloud	0.12	0.12	0.46	0.12	0.77	0.55	0.77	0.37	0.16	0.56	0.56	0.37	0.56	0.37	0.22	0.37	0.36	0.33	0.77	0.37	0.22																						
missing.links	0.09	0.14	0.01	0.67	0.48	0.27	0.19	0.02	0.41	0.07	0.96	0.27	0.54	0.16	0.34	0.82	0.00	0.04	0.00	0.00	0.64																						