Socio-technical analysis result (U-boot)

	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	2013-05 – 2013-08	329	170	37	122	0.5167	0.1125	0.3708	28	0.0851	4	0.0252	1	113	105	47	45	4	99	0	114	0.3838	0.8630	0.0000	0.0000
2	2013-08 – 2013-11	291	148	37	106	0.5086	0.1271	0.3643	47	0.1615	8	0.0559	1	100	97	33	13	0	94	1	63	0.2921	0.9673	0.5290	0.5099
3	2013-11 – 2014-02	314	157	38	119	0.5000	0.1210	0.3790	61	0.1943	8	0.0510	1	94	91	36	7	2	89	2	33	0.4677	0.9833	0.4198	0.4133
4	2014-02 – 2014-05	287	161	24	102	0.5610	0.0836	0.3554	30	0.1045	7	0.0556	1	91	87	26	13	5	113	2	25	0.4565	0.9760	0.5557	0.6078
5	2014-05 – 2014-08	298	134	43	121	0.4497	0.1443	0.4060	24	0.0805	2	0.0122	1	90	84	33	31	0	107	5	55	0.4086	0.9733	0.4615	0.3448
6	2014-08 – 2014-11	293	138	34	121	0.4710	0.1160	0.4130	55	0.1877	6	0.0387	1	86	85	25	6	2	118	7	36	0.5443	0.9744	0.4738	0.5580
7	2014-11 – 2015-01	302	106	38	158	0.3510	0.1258	0.5232	70	0.2318	12	0.0612	1	94	86	41	16	2	96	7	78	0.4222	0.9747	0.4639	0.3533
8	2015-01 – 2015-05	320	144	32	144	0.4500	0.1000	0.4500	58	0.1812	3	0.0170	1	110	108	37	24	0	104	4	95	0.3987	0.9566	0.4116	0.5161
9	2015-05 – 2015-07	289	144	27	118	0.4983	0.0934	0.4083	45	0.1557	5	0.0345	1	99	95	34	15	0	122	2	42	0.4878	0.9807	0.5090	0.5545
10	2015-07 – 2015-10	295	118	33	144	0.4000	0.1119	0.4881	37	0.1254	3	0.0169	1	90	85	38	19	4	83	2	75	0.4403	0.9701	0.4521	0.3913
11	2015-10 – 2016-01	290	127	28	135	0.4379	0.0966	0.4655	38	0.1310	3	0.0184	1	98	95	34	14	5	112	0	76	0.4865	0.9687	0.4821	0.5647
12	2016-01 – 2016-04	307	126	39	142	0.4104	0.1270	0.4625	45	0.1466	5	0.0276	1	99	93	36	23	2	131	0	84	0.3731	0.9720	0.4456	0.4767

	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	0.4802	0.6565	0.6404	0.7044	0.0075	0.3017	0.4465	0.2518	0.2689	0.2240	0.0230	76	18	29	0.6179	0.1463	0.2358
2	0.4789	0.4653	0.8750	0.3963	0.4570	0.6564	0.6181	0.7692	0.0074	0.2353	0.3286	0.4945	0.5060	0.6908	0.0231	73	9	24	0.6887	0.0849	0.2264
3	0.4742	0.4468	0.5217	0.4016	0.3758	0.7006	0.6703	0.7707	0.0066	0.2692	0.3702	0.5682	0.5521	0.7966	0.0228	69	14	22	0.6571	0.1333	0.2095
4	0.4541	0.4494	0.9355	0.3114	0.4739	0.6829	0.6692	0.7937	0.0106	0.2599	0.3566	0.4151	0.3838	0.7533	0.0246	71	10	16	0.7320	0.1031	0.1649
5	0.4420	0.4327	0.6102	0.4444	0.4564	0.6980	0.6706	0.7988	0.0071	0.2371	0.3462	0.4987	0.4132	0.7191	0.0208	65	14	19	0.6633	0.1429	0.1939
6	0.3864	0.3550	0.8276	0.4000	0.4744	0.7065	0.6718	0.8387	0.0075	0.2352	0.3953	0.4468	0.3979	0.6204	0.0260	65	5	20	0.7222	0.0556	0.2222
7	0.3111	0.3509	0.3333	0.4493	0.4834	0.6887	0.6742	0.7908	0.0071	0.2538	0.3752	0.5509	0.4164	0.6882	0.0235	63	18	23	0.6058	0.1731	0.2212
8	0.2843	0.2887	0.6667	0.4453	0.4500	0.6562	0.6250	0.7898	0.0063	0.2301	0.3777	0.3931	0.3841	0.6600	0.0236	80	9	28	0.6838	0.0769	0.2393
9	0.4498	0.4729	0.5352	0.4129	0.5294	0.6574	0.6374	0.7655	0.0118	0.2705	0.3625	0.3542	0.3535	0.5399	0.0264	71	10	24	0.6762	0.0952	0.2286
10	0.4233	0.4444	0.5833	0.5227	0.4508	0.6949	0.6756	0.7853	0.0079	0.3008	0.4449	0.4775	0.2642	0.4136	0.0279	65	18	20	0.6311	0.1748	0.1942
11	0.4043	0.4000	0.6389	0.4681	0.5310	0.6621	0.6374	0.7914	0.0092	0.2996	0.4550	0.2870	0.2279	0.6546	0.0260	69	8	26	0.6699	0.0777	0.2524
12	0.4467	0.4787	0.4857	0.4962	0.5440	0.6775	0.6530	0.8011	0.0068	0.2408	0.3930	0.3424	0.3128	0.7279	0.0221	71	14	22	0.6636	0.1308	0.2056

Community smells: Pearson's correlation (U-boot)

	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	0.62	0.21	0.35	0.15	-0.02	0.21	-0.05	-0.54	-0.61	-0.47	-0.54	-	0.62	0.45	0.67	-	0.02	-0.04	-0.00	0.74	-0.46	-0.80	-0.28
prima.donnas	-0.07	0.05	-0.42	0.03	0.07	-0.45	0.07	-0.34	-0.33	-0.05	-0.01	-	-0.11	-0.16	0.05	0.02	-	-0.09	-0.29	0.07	0.31	-0.26	0.23
radio.silence	-0.24	-0.00	-0.25	-0.11	0.10	-0.21	-0.04	-0.14	-0.11	-0.19	-0.14	-	-0.02	0.02	-0.42	-0.04	-0.09	-	-0.12	-0.16	0.25	0.16	0.22
black.cloud	0.13	-0.27	0.29	0.24	-0.29	0.29	0.22	0.39	0.40	0.29	0.15	-	-0.36	-0.36	-0.08	-0.00	-0.29	-0.12	-	-0.10	0.30	0.03	-0.20
missing.links	0.64	-0.15	0.30	0.58	-0.41	0.15	0.40	-0.06	-0.13	-0.28	-0.46	-	0.74	0.62	0.81	0.74	0.07	-0.16	-0.10	-	-0.51	-0.69	-0.49

	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	-0.04	-0.28	0.48	0.16	-0.36	-0.21	-0.61	-0.22	0.22	0.30	-0.49	-0.44	-0.61	-0.41	0.38	0.54	0.44	-0.50	0.41	0.11
prima.donnas	0.09	0.10	0.15	-0.01	0.14	0.11	0.32	-0.12	0.25	0.71	0.69	-0.35	-0.56	-0.28	0.40	-0.15	0.19	-0.14	-0.07	0.18	-0.19
radio.silence	0.06	0.12	0.09	-0.12	0.74	-0.15	-0.14	0.36	0.37	-0.32	-0.09	-0.52	-0.27	0.22	-0.05	0.10	-0.49	-0.10	0.48	-0.48	0.03
black.cloud	-0.59	-0.64	-0.12	-0.12	-0.25	0.51	0.45	0.53	-0.29	-0.43	-0.21	0.50	0.28	-0.01	-0.09	-0.42	0.05	-0.16	-0.09	0.09	-0.01
missing.links	-0.57	-0.38	-0.43	0.77	0.26	-0.51	-0.42	-0.48	-0.43	0.25	0.53	-0.48	-0.53	-0.56	-0.17	0.41	0.45	0.75	-0.64	0.30	0.52

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

	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	0.03	0.51	0.26	0.65	0.95	0.51	0.88	0.07	0.03	0.12	0.07	-	0.03	0.15	0.02	-	0.94	0.90	0.99	0.01	0.13	0.00	0.40	0.19
prima.donnas	0.84	0.87	0.17	0.93	0.82	0.14	0.84	0.28	0.29	0.88	0.99	-	0.73	0.62	0.88	0.94	-	0.79	0.39	0.83	0.32	0.41	0.50	0.46
radio.silence	0.45	0.99	0.43	0.74	0.76	0.51	0.90	0.66	0.73	0.55	0.66	-	0.95	0.96	0.17	0.90	0.79	-	0.73	0.63	0.43	0.62	0.51	0.09
black.cloud	0.69	0.43	0.38	0.48	0.39	0.38	0.52	0.23	0.22	0.39	0.66	-	0.28	0.28	0.82	0.99	0.39	0.73	-	0.77	0.38	0.93	0.56	0.31
missing.links	0.03	0.63	0.35	0.05	0.18	0.64	0.20	0.84	0.68	0.38	0.13	-	0.01	0.03	0.00	0.01	0.83	0.63	0.77	-	0.09	0.01	0.13	0.39

	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	0.55	0.90	0.40	0.13	0.62	0.25	0.52	0.03	0.49	0.49	0.35	0.11	0.15	0.03	0.18	0.23	0.07	0.16	0.10	0.19	0.73
prima.donnas	0.79	0.77	0.67	0.97	0.66	0.74	0.31	0.72	0.43	0.01	0.01	0.26	0.06	0.38	0.20	0.65	0.56	0.66	0.83	0.57	0.56
radio.silence	0.86	0.74	0.80	0.72	0.01	0.64	0.67	0.25	0.23	0.31	0.77	0.08	0.39	0.49	0.87	0.75	0.11	0.76	0.11	0.11	0.93
black.cloud	0.06	0.03	0.73	0.73	0.46	0.11	0.16	0.10	0.39	0.18	0.54	0.11	0.41	0.97	0.79	0.20	0.90	0.63	0.80	0.80	0.97
missing.links	0.07	0.25	0.19	0.01	0.42	0.09	0.18	0.12	0.16	0.44	0.08	0.12	0.08	0.06	0.59	0.18	0.14	0.01	0.03	0.35	0.09

Community smells: Spearman's correlation (U-boot)

	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	0.55	-0.15	0.30	0.52	-0.28	0.15	0.20	-0.45	-0.52	-0.62	-0.63	-	0.40	0.19	0.60	-	-0.14	-0.03	0.05	0.75	-0.58	-0.54	-0.47
prima.donnas	-0.16	0.01	-0.33	0.10	0.02	-0.46	0.09	-0.32	-0.31	0.00	0.02	-	-0.22	-0.13	0.13	-0.14	-	-0.04	-0.27	-0.01	0.26	-0.03	0.18
radio.silence	-0.34	-0.03	-0.21	-0.20	0.05	-0.24	-0.02	-0.18	-0.15	-0.13	-0.03	-	-0.00	0.02	-0.47	-0.03	-0.04	-	-0.13	-0.10	0.25	0.20	0.28
black.cloud	0.24	-0.11	0.17	0.26	-0.13	0.12	0.10	0.30	0.35	0.10	0.07	-	-0.48	-0.53	0.01	0.05	-0.27	-0.13	-	-0.14	0.21	0.27	-0.16
missing.links	0.62	-0.26	0.23	0.74	-0.39	0.15	0.44	-0.01	-0.08	-0.34	-0.34	-	0.64	0.51	0.73	0.75	-0.01	-0.10	-0.14	-	-0.61	-0.77	-0.47

	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	-0.38	-0.12	-0.34	0.64	0.07	-0.38	-0.06	-0.16	-0.24	0.16	0.20	-0.35	-0.37	-0.30	-0.33	0.24	0.55	0.31	-0.52	0.46	0.07
prima.donnas	-0.06	-0.04	0.05	0.20	0.25	0.20	0.30	0.14	0.44	0.63	0.60	-0.33	-0.57	-0.11	0.29	-0.17	0.16	-0.14	-0.13	0.23	-0.12
radio.silence	-0.05	0.31	0.05	-0.09	0.66	-0.06	-0.21	0.51	0.27	-0.22	0.03	-0.55	-0.30	0.05	0.05	0.14	-0.44	-0.11	0.50	-0.50	0.04
black.cloud	-0.52	-0.66	-0.03	-0.19	-0.33	0.47	0.55	0.22	-0.19	-0.41	-0.11	0.53	0.46	-0.16	0.01	-0.52	0.12	-0.28	-0.10	0.08	-0.15
missing.links	-0.58	-0.30	-0.35	0.75	0.28	-0.57	-0.25	-0.20	-0.34	0.08	0.52	-0.48	-0.40	-0.42	-0.19	0.33	0.31	0.69	-0.48	0.18	0.50

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

	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	0.06	0.63	0.35	0.09	0.38	0.63	0.53	0.14	0.08	0.03	0.03	-	0.20	0.55	0.04	-	0.66	0.93	0.87	0.01	0.05	0.07	0.15	0.10
prima.donnas	0.62	0.98	0.30	0.76	0.95	0.13	0.77	0.31	0.33	1.00	0.95	-	0.50	0.68	0.69	0.66	-	0.91	0.43	0.96	0.41	0.93	0.59	0.29
radio.silence	0.28	0.92	0.51	0.53	0.89	0.46	0.96	0.58	0.64	0.68	0.92	-	0.99	0.95	0.13	0.93	0.91	-	0.70	0.77	0.43	0.54	0.40	0.11
black.cloud	0.47	0.74	0.61	0.44	0.71	0.73	0.77	0.36	0.30	0.78	0.85	-	0.13	0.09	0.98	0.87	0.43	0.70	-	0.68	0.54	0.43	0.64	0.37
missing.links	0.03	0.41	0.48	0.01	0.21	0.65	0.15	0.98	0.80	0.28	0.28	-	0.03	0.09	0.01	0.01	0.96	0.77	0.68	-	0.04	0.01	0.15	0.40

	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	0.25	0.72	0.30	0.03	0.82	0.22	0.85	0.62	0.45	0.62	0.54	0.27	0.23	0.34	0.29	0.46	0.07	0.32	0.08	0.14	0.84
prima.donnas	0.86	0.91	0.88	0.56	0.44	0.53	0.34	0.67	0.15	0.03	0.04	0.30	0.05	0.74	0.36	0.61	0.62	0.67	0.68	0.48	0.72
radio.silence	0.90	0.36	0.90	0.80	0.02	0.87	0.50	0.09	0.39	0.50	0.94	0.07	0.34	0.89	0.88	0.68	0.15	0.74	0.10	0.10	0.90
black.cloud	0.10	0.03	0.93	0.57	0.32	0.15	0.08	0.53	0.58	0.21	0.74	0.09	0.16	0.64	0.98	0.10	0.73	0.41	0.77	0.82	0.66
missing.links	0.07	0.37	0.30	0.01	0.38	0.06	0.43	0.54	0.28	0.80	0.09	0.12	0.20	0.18	0.56	0.30	0.33	0.01	0.12	0.57	0.10