Socio-technical analysis result (Capistrano)

	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	36	24	11	1	0.6667	0.3056	0.0278	3	0.0833	0	0.0000	1	15	12	3	6	0	4	0	6	0.0000	0.6389	0.0000	0.0000
2	2013-09 – 2013-11	85	59	25	1	0.6941	0.2941	0.0118	7	0.0824	2	0.0769	1	19	17	4	8	0	0	0	8	0.0000	0.8029	0.4463	0.4211
3	2013-11 – 2014-02	73	49	23	1	0.6712	0.3151	0.0137	10	0.1370	1	0.0417	1	28	25	2	2	0	0	0	2	0.0000	0.8750	0.9494	0.8000
4	2014-02 – 2014-05	75	41	32	2	0.5467	0.4267	0.0267	16	0.2133	3	0.0882	1	24	19	6	11	0	4	0	11	0.0000	0.8610	0.8378	0.6207
5	2014-05 – 2014-08	35	24	10	1	0.6857	0.2857	0.0286	3	0.0857	0	0.0000	1	14	13	1	1	0	2	0	1	0.0000	0.8182	1.1636	1.2889
6	2014-08 – 2014-11	33	16	15	2	0.4848	0.4545	0.0606	7	0.2121	1	0.0588	1	10	9	3	1	0	0	0	1	0.5000	0.9412	0.8235	0.4286
7	2014-11 – 2015-02	25	10	14	1	0.4000	0.5600	0.0400	3	0.1200	0	0.0000	1	8	6	2	5	0	11	0	5	0.0000	0.6933	0.9310	0.8125
8	2015-02 – 2015-05	36	23	12	1	0.6389	0.3333	0.0278	5	0.1389	0	0.0000	1	16	13	3	4	0	11	0	4	0.0000	0.6923	0.6885	0.8571
9	2015-05 – 2015-08	30	16	13	1	0.5333	0.4333	0.0333	4	0.1333	1	0.0714	1	12	10	4	9	0	0	0	9	0.0000	0.6429	0.8182	0.5185
10	2015-08 – 2015-11	21	12	9	0	0.5714	0.4286	0.0000	4	0.1905	0	0.0000	1	8	7	2	3	0	0	0	3	0.0000	0.6667	1.0196	0.9565
11	2015-11 – 2016-02	16	5	10	1	0.3125	0.6250	0.0625	3	0.1875	1	0.0909	1	5	3	1	1	0	6	0	1	0.0000	0.8182	0.8649	0.5000
12	2016-02 – 2016-05	18	7	10	1	0.3889	0.5556	0.0556	4	0.2222	0	0.0000	1	8	5	3	6	0	8	0	6	0.0000	0.5000	0.7647	0.7273

	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	0.2222	0.5833	0.5200	0.7500	0.0573	0.5945	0.6000	0.0440	0.2765	-0.3268	0.0571	11	2	1	0.7857	0.1429	0.0714
2	0.8235	0.7586	0.5714	0.1852	0.0706	0.7765	0.7167	0.8462	0.0197	0.5294	0.6098	0.5724	0.4302	0.0112	0.0569	17	4	0	0.8095	0.1905	0.0000
3	0.7234	0.7619	1.0000	0.0267	0.0411	0.6164	0.5000	0.9167	0.0162	0.3234	0.5320	0.2388	0.1496	-0.3753	0.0236	25	2	0	0.9259	0.0741	0.0000
4	0.8846	0.9091	0.5000	0.0323	0.1867	0.6800	0.5581	0.8235	0.0178	0.3655	0.4207	0.5090	0.3023	0.2167	0.0252	19	6	0	0.7600	0.2400	0.0000
5	1.0526	0.9375	1.4286	0.1406	0.1143	0.6000	0.4800	0.9091	0.0280	0.2022	0.3908	0.4280	0.3668	-0.5000	0.0504	13	1	0	0.9286	0.0714	0.0000
6	0.9167	1.0000	0.5000	0.1071	0.0606	0.6970	0.5000	0.8235	0.0321	0.2385	0.3627	0.5063	0.2526	0.2778	0.0436	7	1	2	0.7000	0.1000	0.2000
7	0.8889	0.9333	0.4000	0.0370	0.6000	0.6800	0.4545	0.8667	0.0479	0.2951	0.4433	0.4081	-0.2698	0.0509	0.0567	5	1	1	0.7143	0.1429	0.1429
8	0.5000	0.4211	0.4000	0.5714	0.4167	0.5556	0.4583	0.7692	0.0520	0.5836	0.6968	0.1356	0.0197	0.4247	0.0460	12	2	1	0.8000	0.1333	0.0667
9	1.0000	0.9565	0.5714	0.4444	0.2000	0.6000	0.4118	0.7143	0.0463	0.3923	0.5310	0.5047	0.0256	0.4195	0.0552	9	3	1	0.6923	0.2308	0.0769
10	1.1000	1.0588	1.3333	0.1538	0.1429	0.6190	0.4167	0.7778	0.0521	0.2842	0.4786	0.4335	0.1145	-0.3400	0.0714	7	2	0	0.7778	0.2222	0.0000
11	1.0769	1.2000	1.3333	0.1250	0.5000	0.6875	0.5000	0.9091	0.0396	0.0952	0.2833	0.4501	-0.3107	-0.5000	0.0500	3	1	0	0.7500	0.2500	0.0000
12	0.6154	0.5000	0.5000	0.4615	0.7778	0.5556	0.3750	0.7273	0.0305	0.1505	0.3268	0.1282	-0.3147	-0.3501	0.0850	5	3	0	0.6250	0.3750	0.0000

Community smells: Pearson's correlation (Capistrano)

	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	0.42	0.34	0.54	0.22	0.10	-0.07	-0.23	0.43	-0.03	0.54	0.29	-	0.32	0.23	0.88	-	-	0.03	-	1.00	-0.35	-0.31	-0.49	-0.37
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
radio.silence	-0.38	-0.42	-0.25	0.01	-0.43	0.42	0.38	-0.24	0.07	-0.36	-0.40	-	-0.30	-0.39	-0.11	0.03	-	-	-	0.03	-0.28	-0.42	-0.09	0.17
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
missing.links	0.42	0.34	0.54	0.22	0.10	-0.07	-0.23	0.43	-0.03	0.54	0.29	-	0.32	0.23	0.88	1.00	-	0.03	-	-	-0.35	-0.31	-0.49	-0.37

	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	-0.17	-0.23	-0.59	0.20	0.05	0.11	0.25	-0.51	-0.10	0.47	0.31	0.12	0.15	0.48	0.01	0.24	0.87	-0.10	-0.35	0.46	-0.14
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
radio.silence	-0.49	-0.42	-0.38	0.33	0.84	-0.29	-0.31	-0.09	0.37	0.02	-0.01	-0.47	-0.65	0.11	0.20	-0.38	-0.15	0.09	-0.32	0.21	0.14
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
missing.links	-0.17	-0.23	-0.59	0.20	0.05	0.11	0.25	-0.51	-0.10	0.47	0.31	0.12	0.15	0.48	0.01	0.24	0.87	-0.10	-0.35	0.46	-0.14

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

	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	0.18	0.28	0.07	0.49	0.76	0.83	0.47	0.16	0.93	0.07	0.35	-	0.32	0.47	0.00	-	-	0.93	-	0.00	0.26	0.33	0.12	0.27
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
radio.silence	0.22	0.18	0.43	0.98	0.16	0.17	0.22	0.45	0.82	0.25	0.20	-	0.35	0.22	0.73	0.93	-	-	-	0.93	0.37	0.17	0.79	0.62
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
missing.links	0.18	0.28	0.07	0.49	0.76	0.83	0.47	0.16	0.93	0.07	0.35	-	0.32	0.47	0.00	0.00	-	0.93	-	-	0.26	0.33	0.12	0.27

	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	0.61	0.49	0.06	0.55	0.88	0.72	0.44	0.09	0.75	0.12	0.33	0.71	0.63	0.11	0.98	0.46	0.00	0.76	0.26	0.13	0.66
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
radio.silence	0.12	0.19	0.25	0.33	0.00	0.36	0.33	0.77	0.24	0.95	0.98	0.12	0.02	0.74	0.54	0.22	0.65	0.77	0.32	0.51	0.66
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
missing.links	0.61	0.49	0.06	0.55	0.88	0.72	0.44	0.09	0.75	0.12	0.33	0.71	0.63	0.11	0.98	0.46	0.00	0.76	0.26	0.13	0.66

Community smells: Spearman's correlation (Capistrano)

	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	0.36	0.28	0.42	0.12	0.07	-0.10	-0.33	0.28	-0.07	0.29	0.16	-	0.34	0.26	0.84	-	-	0.05	-	1.00	-0.40	-0.46	-0.52	-0.22
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
radio.silence	-0.28	-0.43	-0.22	0.04	-0.43	0.35	0.41	-0.40	0.15	-0.46	-0.32	-	-0.27	-0.36	-0.16	0.05	-	-	-	0.05	-0.32	-0.31	-0.12	0.32
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
missing.links	0.36	0.28	0.42	0.12	0.07	-0.10	-0.33	0.28	-0.07	0.29	0.16	-	0.34	0.26	0.84	1.00	-	0.05	-	-	-0.40	-0.46	-0.52	-0.22

	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	-0.39	-0.46	-0.45	0.22	0.24	-0.13	0.07	-0.57	-0.03	0.59	0.38	0.15	0.13	0.48	0.27	0.26	0.86	-0.00	-0.25	0.50	0.02
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
radio.silence	-0.35	-0.36	-0.53	0.17	0.84	-0.38	-0.21	-0.08	0.29	-0.07	-0.15	-0.52	-0.55	0.04	0.11	-0.38	-0.18	0.11	-0.19	0.22	0.09
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
missing.links	-0.39	-0.46	-0.45	0.22	0.24	-0.13	0.07	-0.57	-0.03	0.59	0.38	0.15	0.13	0.48	0.27	0.26	0.86	-0.00	-0.25	0.50	0.02

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

	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	0.25	0.38	0.17	0.71	0.84	0.75	0.30	0.38	0.83	0.36	0.62	-	0.27	0.42	0.00	-	-	0.87	-	0.00	0.20	0.14	0.10	0.52
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
radio.silence	0.38	0.16	0.50	0.91	0.16	0.26	0.19	0.19	0.65	0.13	0.31	-	0.39	0.26	0.62	0.87	-	-	-	0.87	0.31	0.33	0.72	0.34
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
missing.links	0.25	0.38	0.17	0.71	0.84	0.75	0.30	0.38	0.83	0.36	0.62	-	0.27	0.42	0.00	0.00	-	0.87	-	-	0.20	0.14	0.10	0.52

	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	0.24	0.16	0.16	0.52	0.45	0.68	0.83	0.05	0.92	0.04	0.22	0.64	0.69	0.11	0.40	0.41	0.00	1.00	0.43	0.10	0.95
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
radio.silence	0.29	0.28	0.09	0.61	0.00	0.22	0.51	0.80	0.35	0.83	0.64	0.09	0.06	0.89	0.74	0.22	0.57	0.73	0.55	0.49	0.78
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
missing.links	0.24	0.16	0.16	0.52	0.45	0.68	0.83	0.05	0.92	0.04	0.22	0.64	0.69	0.11	0.40	0.41	0.00	1.00	0.43	0.10	0.95