Socio-technical analysis result (JDO)

	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	2013-04 – 2013-08	7	3	3	1	0.4286	0.4286	0.1429	0	0.0000	0	0	1	3	3	0	0	0	4	0	0	1	1	0.0000	0.0000
2	2013-08 – 2013-11	11	8	2	1	0.7273	0.1818	0.0909	1	0.0909	0	0	1	4	4	0	0	0	5	0	0	1	1	0.1111	0.2857
3	2013-11 – 2014-01	5	3	1	1	0.6000	0.2000	0.2000	0	0.0000	0	0	1	3	3	0	0	0	4	0	0	1	1	0.8750	0.8000
4	2014-01 – 2014-05	9	6	3	0	0.6667	0.3333	0.0000	2	0.2222	0	0	1	3	3	0	0	0	0	0	0	1	1	0.2857	0.4000
5	2014-05 – 2014-06	4	2	2	0	0.5000	0.5000	0.0000	1	0.2500	0	0	1	1	1	0	0	0	2	0	0	1	1	0.7692	0.4000
6	2014-06 – 2014-11	5	3	2	0	0.6000	0.4000	0.0000	0	0.0000	0	0	1	2	2	0	0	0	3	0	0	1	1	0.0000	0.0000
7	2014-11 – 2015-01	4	2	2	0	0.5000	0.5000	0.0000	0	0.0000	0	0	1	1	1	0	0	0	2	0	0	1	1	0.4444	0.5000
8	2015-01 – 2015-04	10	7	3	0	0.7000	0.3000	0.0000	1	0.1000	0	0	1	3	3	0	0	0	6	0	0	1	1	0.0000	0.0000
9	2015-04 – 2015-08	7	5	2	0	0.7143	0.2857	0.0000	0	0.0000	0	0	1	3	3	0	0	0	0	0	0	1	1	0.5882	0.4000
10	2015-08 – 2015-10	7	5	2	0	0.7143	0.2857	0.0000	0	0.0000	0	0	1	3	3	0	0	0	0	0	0	1	1	0.2857	0.0000
11	2015-10 – 2016-01	4	3	1	0	0.7500	0.2500	0.0000	0	0.0000	0	0	1	2	2	0	0	0	3	0	0	1	1	0.7273	0.6667
12	2016-01 – 2016-04	9	6	3	0	0.6667	0.3333	0.0000	0	0.0000	0	0	1	4	4	0	0	0	0	0	0	1	1	0.1538	0.0000

	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	0.0000	0.5714	0.5714	0.2500	1	0.1179	0.0000	0.2143	-0.3009	-0.3009	0	0.2857	3	0	0	1	0	0
2	0.0000	0.0000	0	0.0000	0.4545	0.6364	0.5556	1	0.1695	0.3133	0.4273	0.0025	0.0025	0	0.2727	4	0	0	1	0	0
3	0.2857	0.2857	0	0.4286	0.8000	0.4000	0.2500	1	0.1750	0.0000	0.1500	-0.2728	-0.2728	0	0.6000	3	0	0	1	0	0
4	0.6667	0.6667	0	1.0000	0.0000	0.6667	0.5000	1	0.1383	0.2500	0.4028	0.1752	0.1752	0	0.2222	3	0	0	1	0	0
5	1.0000	1.0000	0	0.0000	0.5000	0.7500	0.5000	1	0.1389	0.0000	0.1667	-0.5000	-0.5000	0	0.1667	1	0	0	1	0	0
6	0.0000	0.0000	0	0.0000	0.6000	0.6000	0.3333	1	0.1556	0.0000	0.2000	-0.4053	-0.4053	0	0.3000	2	0	0	1	0	0
7	1.3333	1.3333	0	0.5000	0.5000	0.7500	0.5000	1	0.1389	0.0000	0.1667	-0.5000	-0.5000	0	0.1667	1	0	0	1	0	0
8	0.0000	0.0000	0	0.0000	0.6000	0.7000	0.5714	1	0.1279	0.1605	0.3333	0.0044	0.0044	0	0.2222	3	0	0	1	0	0
9	1.0000	1.0000	0	0.8000	0.0000	0.5714	0.4000	1	0.0663	0.0000	0.1429	0.3367	0.3367	0	0.1905	3	0	0	1	0	0
10	1.0000	1.0000	0	0.0000	0.0000	0.5714	0.4000	1	0.0711	0.0667	0.1905	0.1800	0.1800	0	0.1429	3	0	0	1	0	0
11	0.4000	0.4000	0	0.0000	0.7500	0.5000	0.3333	1	0.2083	0.0000	0.1667	-0.3933	-0.3933	0	0.5000	2	0	0	1	0	0
12	0.3333	0.3333	0	1.0000	0.0000	0.5556	0.3333	1	0.1196	0.0179	0.2639	0.0459	0.0459	0	0.3611	4	0	0	1	0	0

Community smells: Pearson's correlation (JDO)

	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
radio.silence	0.14	0.08	-0.11	0.55	-0.12	-0.20	0.48	0.06	-0.02	-	-	-	0.03	0.03	-	-	-	-	-	-	-	-	-0.14	0.10
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
missing.links	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
prima.donnas	-	-	-	-0.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
radio.silence	-0.65	-0.65	-	-0.63	0.82	-0.00	0.11	-	0.53	0.22	0.23	-0.40	-0.40	-	0.31	0.03	-	-	-	-	-
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
missing.links	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
radio.silence	0.67	0.80	0.73	0.07	0.71	0.53	0.11	0.86	0.94	-	-	-	0.93	0.93	-	-	-	-	-	-	-	-	0.67	0.78
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
missing.links	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
prima.donnas	-	-	-	0.04	0.00	0.99	0.72	-	0.07	0.49	0.47	0.20	0.20	-	0.32	0.93	-	-	-	-	-
radio.silence	0.03	0.03	-	0.04	0.00	0.99	0.72	-	0.07	0.49	0.47	0.20	0.20	-	0.32	0.93	-	-	-	-	-
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
missing.links	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Community smells: Spearman's correlation (JDO)

	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
radio.silence	0.14	0.08	-0.11	0.60	-0.05	-0.24	0.58	0.17	0.14	-	-	-	0.05	0.05	-	-	-	-	-	-	-	-	-0.19	0.09
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
missing.links	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
prima.donnas	-	-	-	-	-	0.05	0.08	-	-	-	-	-	-	-	0.05	-	-	-	-	-	-
radio.silence	-0.70	-0.70	-	-0.61	0.75	0.05	0.08	-	0.49	0.04	0.25	-0.40	-0.40	-	0.39	0.05	-	-	-	-	-
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
missing.links	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
radio.silence	0.66	0.79	0.74	0.04	0.89	0.45	0.05	0.60	0.65	-	-	-	0.89	0.89	-	-	-	-	-	-	-	-	0.57	0.78
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
missing.links	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
radio.silence	0.02	0.02	-	0.04	0.01	0.88	0.81	-	0.10	0.90	0.44	0.20	0.20	-	0.21	0.89	-	-	-	-	-
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
missing.links	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-