Socio-technical analysis result (Vagrant)

	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	227	174	50	3	0.7665	0.2203	0.0132	15	0.0661	2	0.0377	1	93	86	9	22	0	6	0	23	0.0000	0.7555	0.0000	0.0000
2	2013-09 – 2013-12	242	161	77	4	0.6653	0.3182	0.0165	24	0.0992	5	0.0617	1	92	77	17	40	0	13	0	41	0.0000	0.7844	0.8188	0.6866
3	2013-12 – 2014-03	225	160	61	4	0.7111	0.2711	0.0178	15	0.0667	4	0.0615	1	90	81	16	23	0	5	0	23	0.0800	0.8332	0.8908	0.9726
4	2014-03 – 2014-05	342	246	88	8	0.7193	0.2573	0.0234	27	0.0789	6	0.0625	1	137	114	28	99	0	23	0	102	0.0097	0.6944	0.6631	0.7081
5	2014-05 – 2014-08	215	170	41	4	0.7907	0.1907	0.0186	14	0.0651	1	0.0222	1	81	79	4	8	0	8	0	10	0.0000	0.8311	1.1059	1.2766
6	2014-08 – 2014-11	224	155	64	5	0.6920	0.2857	0.0223	20	0.0893	0	0.0000	1	85	77	10	19	0	19	0	19	0.0000	0.8047	0.8246	0.6140
7	2014-11 – 2015-02	218	149	63	6	0.6835	0.2890	0.0275	25	0.1147	0	0.0000	1	67	64	6	6	0	0	0	8	0.1111	0.9372	0.8688	0.8261
8	2015-02 – 2015-05	200	138	58	4	0.6900	0.2900	0.0200	16	0.0800	0	0.0000	1	64	64	1	1	0	41	0	1	0.0000	0.9677	0.8804	0.8702
9	2015-05 – 2015-08	215	134	76	5	0.6233	0.3535	0.0233	12	0.0558	1	0.0123	1	72	60	14	21	0	6	0	23	0.0000	0.9297	0.7518	0.4336
10	2015-08 – 2015-11	168	98	67	3	0.5833	0.3988	0.0179	15	0.0893	1	0.0143	1	62	55	8	25	0	6	0	25	0.0000	0.8777	0.9608	0.8609
11	2015-11 – 2016-02	168	107	58	3	0.6369	0.3452	0.0179	21	0.1250	2	0.0328	1	61	55	7	11	0	6	0	11	0.0000	0.9270	0.8690	0.9618
12	2016-02 – 2016-05	135	108	24	3	0.8000	0.1778	0.0222	9	0.0667	1	0.0370	1	60	58	2	2	0	56	0	2	0.0000	0.8889	0.9835	1.2273

	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	0.1057	0.5903	0.5141	0.8302	0.0055	0.2437	0.2424	0.6366	0.6857	0.4548	0.0098	85	8	1	0.9043	0.0851	0.0106
2	0.8216	0.8466	0.4615	0.0990	0.1901	0.6198	0.5333	0.7901	0.0055	0.2981	0.2595	0.4580	0.6127	0.2354	0.0103	76	16	1	0.8172	0.1720	0.0108
3	0.8242	0.8101	0.7273	0.1538	0.1333	0.6000	0.5061	0.7538	0.0062	0.2974	0.2888	0.3807	0.6278	0.3008	0.0104	79	14	2	0.8316	0.1474	0.0211
4	0.6167	0.6564	0.5000	0.1117	0.2251	0.5994	0.5512	0.7083	0.0045	0.3914	0.3763	0.2114	0.5026	0.1620	0.0079	110	24	4	0.7971	0.1739	0.0290
5	1.0734	0.9845	1.6875	0.2143	0.0698	0.6233	0.5460	0.9111	0.0074	0.5443	0.5734	0.4715	0.3740	0.0171	0.0107	78	3	1	0.9512	0.0366	0.0122
6	0.7711	0.8077	0.4286	0.0442	0.1607	0.6205	0.5188	0.8551	0.0063	0.4152	0.4484	0.6023	0.3955	0.2374	0.0090	75	8	2	0.8824	0.0941	0.0235
7	0.9211	0.8936	1.0000	0.1250	0.0413	0.6927	0.5871	0.9130	0.0064	0.4008	0.4505	0.5647	0.5065	0.0241	0.0103	62	4	2	0.9118	0.0588	0.0294
8	0.8550	0.8281	1.4286	0.0326	0.2150	0.6800	0.5493	0.9839	0.0072	0.3966	0.5122	0.2133	0.2036	-0.5000	0.0104	63	0	1	0.9844	0.0000	0.0156
9	0.7647	0.8548	0.0000	0.2308	0.1395	0.6651	0.5683	0.8272	0.0060	0.3391	0.4672	0.6290	0.3810	0.6213	0.0095	57	11	3	0.8028	0.1549	0.0423
10	0.8507	0.8174	1.0000	0.1250	0.1429	0.6310	0.4554	0.8857	0.0077	0.3804	0.4632	0.5732	0.2216	0.4327	0.0098	54	7	1	0.8710	0.1129	0.0161
11	0.7967	0.8182	0.6667	0.1233	0.1071	0.6369	0.5000	0.8852	0.0076	0.3828	0.5404	0.6146	0.1861	0.3837	0.0105	54	6	1	0.8852	0.0984	0.0164
12	0.8430	0.8142	1.3333	0.0872	0.4370	0.5556	0.4775	0.9259	0.0126	0.5999	0.6869	0.2491	0.1565	-0.3805	0.0146	57	1	1	0.9661	0.0169	0.0169

Community smells: Pearson's correlation (Vagrant)

	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	0.85	0.76	0.70	0.68	-0.07	0.07	0.05	0.57	-0.06	0.81	0.60	-	0.90	0.80	0.92	-	-	-0.08	-	1.00	-0.11	-0.76	-0.68	-0.40
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
radio.silence	-0.22	-0.10	-0.43	-0.07	0.43	-0.44	0.17	-0.31	-0.26	-0.10	-0.00	-	-0.10	-0.05	-0.26	-0.08	-	-	-	-0.09	-0.36	0.10	0.07	0.30
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
missing.links	0.86	0.77	0.70	0.69	-0.07	0.06	0.07	0.57	-0.06	0.81	0.59	-	0.90	0.80	0.92	1.00	-	-0.09	-	-	-0.10	-0.75	-0.68	-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	-0.70	-0.73	-0.47	0.01	0.08	-0.27	0.12	-0.82	-0.56	-0.29	-0.46	-0.29	0.40	0.29	-0.61	0.78	0.92	0.71	-0.71	0.72	0.23
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
radio.silence	-0.16	-0.30	0.37	-0.58	0.91	-0.36	-0.21	0.34	0.64	0.58	0.52	-0.75	-0.50	-0.79	0.57	-0.05	-0.28	-0.11	0.49	-0.49	-0.16
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
missing.links	-0.69	-0.72	-0.46	0.03	0.07	-0.26	0.15	-0.82	-0.57	-0.28	-0.46	-0.28	0.40	0.29	-0.61	0.78	0.91	0.72	-0.71	0.72	0.25

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

	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	0.00	0.00	0.01	0.02	0.82	0.82	0.87	0.05	0.86	0.00	0.04	-	0.00	0.00	0.00	-	-	0.80	-	0.00	0.74	0.00	0.02	0.23
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
radio.silence	0.49	0.76	0.16	0.82	0.16	0.15	0.60	0.33	0.42	0.75	1.00	-	0.75	0.87	0.41	0.80	-	-	-	0.78	0.24	0.76	0.83	0.38
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
missing.links	0.00	0.00	0.01	0.01	0.84	0.85	0.84	0.05	0.85	0.00	0.04	-	0.00	0.00	0.00	0.00	-	0.78	-	-	0.76	0.00	0.02	0.23

	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	0.02	0.01	0.15	0.98	0.79	0.39	0.71	0.00	0.06	0.37	0.13	0.37	0.20	0.36	0.04	0.00	0.00	0.01	0.01	0.01	0.47
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
radio.silence	0.64	0.37	0.26	0.06	0.00	0.25	0.51	0.29	0.03	0.05	0.09	0.01	0.09	0.00	0.06	0.88	0.39	0.72	0.11	0.10	0.61
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
missing.links	0.02	0.01	0.15	0.93	0.83	0.42	0.65	0.00	0.05	0.38	0.13	0.38	0.19	0.36	0.04	0.00	0.00	0.01	0.01	0.01	0.44

Community smells: Spearman's correlation (Vagrant)

	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	0.65	0.38	0.71	0.13	-0.23	0.22	-0.30	0.30	-0.00	0.75	0.65	-	0.66	0.40	0.90	-	-	-0.19	-	0.99	0.17	-0.71	-0.51	-0.46
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
radio.silence	-0.11	0.09	-0.09	-0.01	0.41	-0.34	0.16	-0.07	-0.11	-0.05	0.10	-	-0.06	0.05	-0.18	-0.19	-	-	-	-0.17	-0.45	-0.18	0.01	0.06
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
missing.links	0.63	0.36	0.75	0.16	-0.27	0.26	-0.26	0.28	-0.03	0.73	0.62	-	0.65	0.36	0.90	0.99	-	-0.17	-	-	0.11	-0.69	-0.54	-0.50

	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	-0.60	-0.38	-0.62	0.25	0.13	-0.39	-0.10	-0.87	-0.63	-0.65	-0.71	0.04	0.56	0.55	-0.61	0.39	0.91	0.31	-0.88	0.90	-0.03
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
radio.silence	-0.16	-0.36	0.14	-0.74	0.83	-0.36	-0.06	0.21	0.09	0.51	0.31	-0.54	-0.46	-0.58	0.07	0.11	-0.20	-0.19	0.22	-0.23	-0.19
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
missing.links	-0.62	-0.36	-0.64	0.26	0.13	-0.35	-0.06	-0.87	-0.64	-0.64	-0.68	0.09	0.53	0.58	-0.65	0.35	0.91	0.33	-0.90	0.92	0.00

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

	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	0.02	0.22	0.01	0.68	0.47	0.50	0.34	0.34	0.99	0.00	0.02	-	0.02	0.20	0.00	-	-	0.56	-	0.00	0.61	0.01	0.11	0.15
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
radio.silence	0.74	0.79	0.77	0.96	0.18	0.28	0.61	0.83	0.74	0.88	0.76	-	0.86	0.89	0.57	0.56	-	-	-	0.60	0.14	0.58	0.98	0.87
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
missing.links	0.03	0.25	0.01	0.63	0.39	0.41	0.42	0.37	0.93	0.01	0.03	-	0.02	0.25	0.00	0.00	-	0.60	-	-	0.73	0.01	0.09	0.12

	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	0.06	0.25	0.04	0.47	0.70	0.21	0.75	0.00	0.03	0.03	0.01	0.90	0.06	0.07	0.03	0.21	0.00	0.32	0.00	0.00	0.94
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
radio.silence	0.65	0.28	0.68	0.01	0.00	0.25	0.86	0.51	0.78	0.09	0.33	0.07	0.13	0.05	0.83	0.74	0.54	0.56	0.49	0.48	0.56
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
missing.links	0.04	0.28	0.03	0.45	0.68	0.26	0.86	0.00	0.03	0.02	0.02	0.78	0.08	0.05	0.02	0.26	0.00	0.29	0.00	0.00	1.00