Socio-technical analysis result (NetworkManager)

	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	81	57	16	8	0.7037	0.1975	0.0988	7	0.0864	1	0.0417	1	29	29	5	12	0	10	0	13	0.4091	0.8542	0.0000	0.0000
2	2013-09 – 2013-11	51	29	13	9	0.5686	0.2549	0.1765	7	0.1373	0	0.0000	1	18	18	6	14	0	0	0	17	0.3929	0.7906	0.9848	0.6087
3	2013-11 – 2014-03	69	43	18	8	0.6232	0.2609	0.1159	12	0.1739	0	0.0000	1	25	24	4	5	2	16	0	8	0.2727	0.8601	0.5000	0.5417
4	2014-03 – 2014-05	44	27	8	9	0.6136	0.1818	0.2045	7	0.1591	0	0.0000	1	19	17	4	7	0	9	0	9	0.3077	0.7104	0.9027	0.7907
5	2014-05 – 2014-08	75	45	22	8	0.6000	0.2933	0.1067	19	0.2533	1	0.0333	1	26	24	5	12	0	10	0	12	0.3684	0.8421	0.3866	0.3830
6	2014-08 – 2014-11	63	42	16	5	0.6667	0.2540	0.0794	5	0.0794	0	0.0000	1	21	20	5	8	0	2	0	10	0.4118	0.8515	0.7536	0.8235
7	2014-11 – 2015-02	61	42	11	8	0.6885	0.1803	0.1311	8	0.1311	1	0.0526	1	21	23	5	5	0	13	0	14	0.3333	0.8045	0.6774	0.6500
8	2015-02 – 2015-05	56	38	10	8	0.6786	0.1786	0.1429	8	0.1429	0	0.0000	1	21	20	6	13	0	16	0	17	0.2609	0.6981	0.8034	0.5405
9	2015-05 – 2015-08	45	27	11	7	0.6000	0.2444	0.1556	10	0.2222	0	0.0000	1	14	13	4	10	0	20	0	12	0.2500	0.7708	0.7921	0.3889
10	2015-08 – 2015-11	52	34	9	9	0.6538	0.1731	0.1731	12	0.2308	0	0.0000	1	17	17	4	1	0	15	0	8	0.4667	0.8741	0.5567	0.5000
11	2015-11 – 2016-02	53	38	8	7	0.7170	0.1509	0.1321	7	0.1321	0	0.0000	1	20	20	4	1	0	2	0	5	0.6154	0.8872	0.5143	0.3636
12	2016-02 – 2016-05	64	40	12	12	0.6250	0.1875	0.1875	14	0.2188	2	0.0833	1	22	22	6	6	0	19	0	16	0.3600	0.7733	0.5812	0.3077

	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	0.1975	0.6420	0.5538	0.7917	0.0239	0.5400	0.5639	0.0461	0.3675	0.0010	0.0361	25	1	4	0.8333	0.0333	0.1333
2	0.8085	0.8936	0.1818	0.1538	0.1961	0.6471	0.5263	0.7273	0.0290	0.3426	0.4043	0.0119	0.4188	0.0569	0.0557	13	1	5	0.6842	0.0526	0.2632
3	0.5116	0.5238	0.4000	0.1000	0.3043	0.6377	0.5294	0.8462	0.0243	0.3478	0.5111	0.1263	0.2863	-0.2533	0.0477	21	1	3	0.8400	0.0400	0.1200
4	0.7727	0.7805	0.0000	0.2745	0.3636	0.5682	0.5278	0.7647	0.0852	0.6459	0.6723	0.0100	0.1939	0.0684	0.0719	14	1	3	0.7778	0.0556	0.1667
5	0.4889	0.4878	0.0000	0.3913	0.2133	0.6533	0.5472	0.8333	0.0227	0.4269	0.5375	0.0079	0.2655	-0.3180	0.0436	21	2	3	0.8077	0.0769	0.1154
6	0.7234	0.7273	0.2000	0.1731	0.1270	0.6667	0.5745	0.7619	0.0276	0.4092	0.5294	0.0014	0.2290	-0.3006	0.0512	16	1	4	0.7619	0.0476	0.1905
7	0.4762	0.4651	0.2000	0.0714	0.2623	0.6557	0.5400	0.7368	0.0347	0.4588	0.5721	0.1548	0.3703	0.1272	0.0612	18	0	5	0.7826	0.0000	0.2174
8	0.5714	0.6977	0.1818	0.1702	0.4107	0.6250	0.5652	0.6667	0.0535	0.5936	0.6838	0.0085	0.2479	0.0056	0.0617	17	3	3	0.7391	0.1304	0.1304
9	0.6857	0.8485	0.4000	0.3500	0.5111	0.6889	0.6176	0.7778	0.0457	0.4250	0.6010	0.0089	0.1931	-0.2270	0.0808	11	2	2	0.7333	0.1333	0.1333
10	0.4516	0.4667	0.2500	0.4815	0.3654	0.6731	0.6047	0.7778	0.0414	0.3327	0.5264	0.0161	0.2405	-0.2178	0.0814	13	0	4	0.7647	0.0000	0.2353
11	0.3784	0.3784	0.2500	0.4815	0.1509	0.6226	0.5556	0.7333	0.0455	0.3794	0.5250	0.0080	0.3920	-0.2813	0.0711	16	0	4	0.8000	0.0000	0.2000
12	0.4762	0.4762	0.2000	0.0882	0.4375	0.6562	0.5769	0.7500	0.0367	0.5038	0.6424	0.1146	0.3732	-0.2872	0.0561	16	0	6	0.7273	0.0000	0.2727

Community smells: Pearson's correlation (NetworkManager)

	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	0.22	0.09	0.42	-0.06	-0.39	0.52	-0.14	-0.01	-0.14	0.06	0.01	-	0.22	0.13	0.60	-	-0.20	-0.09	-	0.72	-0.48	-0.46	0.49	0.11
prima.donnas	0.26	0.17	0.37	-0.03	-0.15	0.33	-0.21	0.19	0.06	-0.20	-0.20	-	0.30	0.26	-0.31	-0.20	-	0.23	-	-0.31	-0.30	0.25	-0.32	0.01
radio.silence	0.03	-0.01	-0.06	0.41	-0.10	-0.10	0.24	0.48	0.58	0.32	0.33	-	-0.06	-0.06	-0.08	-0.09	0.23	-	-	0.19	-0.61	-0.31	-0.25	-0.43
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
missing.links	0.12	0.03	0.11	0.39	-0.28	0.14	0.17	0.04	-0.03	0.43	0.44	-	0.06	0.11	0.89	0.72	-0.31	0.19	-	-	-0.49	-0.58	0.44	-0.04

	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	0.69	-0.29	-0.32	-0.01	0.02	-0.19	-0.13	-0.17	0.32	0.00	-0.30	-0.02	0.33	-0.48	0.19	0.75	-0.19	-0.30	0.69	-0.33
prima.donnas	-0.15	-0.17	0.50	-0.32	0.02	-0.07	-0.33	0.54	-0.27	-0.32	-0.21	0.47	-0.05	-0.22	-0.27	0.33	0.00	-0.24	0.48	-0.05	-0.34
radio.silence	-0.32	-0.16	0.36	-0.14	0.86	0.27	0.47	0.15	0.10	0.22	0.58	0.42	-0.35	-0.11	0.22	0.00	0.18	-0.22	0.05	0.23	-0.23
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
missing.links	0.31	0.39	-0.18	-0.60	0.25	0.18	-0.06	-0.45	-0.16	0.32	0.15	0.16	0.27	0.45	-0.30	0.02	0.37	0.35	-0.59	0.33	0.20

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

	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	0.50	0.78	0.17	0.86	0.21	0.08	0.66	0.97	0.67	0.86	0.98	-	0.50	0.69	0.04	-	0.53	0.77	-	0.01	0.11	0.13	0.13	0.74
prima.donnas	0.42	0.61	0.23	0.92	0.65	0.29	0.50	0.56	0.86	0.54	0.54	-	0.34	0.42	0.32	0.53	-	0.47	-	0.33	0.34	0.43	0.34	0.98
radio.silence	0.93	0.97	0.85	0.19	0.76	0.75	0.45	0.12	0.05	0.31	0.30	-	0.86	0.86	0.80	0.77	0.47	-	-	0.54	0.04	0.33	0.47	0.19
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
missing.links	0.71	0.92	0.74	0.21	0.38	0.67	0.59	0.90	0.94	0.16	0.15	-	0.86	0.73	0.00	0.01	0.33	0.54	-	-	0.11	0.05	0.18	0.90

	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	0.04	0.02	0.39	0.35	0.97	0.96	0.56	0.68	0.60	0.31	0.99	0.34	0.96	0.29	0.12	0.56	0.00	0.56	0.34	0.01	0.29
prima.donnas	0.66	0.63	0.12	0.34	0.94	0.82	0.30	0.07	0.40	0.31	0.50	0.12	0.89	0.50	0.40	0.29	1.00	0.46	0.12	0.88	0.28
radio.silence	0.34	0.63	0.28	0.69	0.00	0.40	0.12	0.64	0.75	0.49	0.05	0.17	0.26	0.73	0.49	1.00	0.57	0.50	0.89	0.46	0.47
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
missing.links	0.36	0.23	0.61	0.05	0.43	0.58	0.85	0.14	0.61	0.31	0.63	0.61	0.39	0.14	0.34	0.95	0.24	0.27	0.05	0.29	0.54

Community smells: Spearman's correlation (NetworkManager)

	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	0.07	0.02	0.40	0.01	-0.40	0.50	-0.07	-0.17	-0.09	0.04	-0.01	-	0.15	0.05	0.63	-	-0.26	-0.14	-	0.72	-0.30	-0.57	0.55	0.18
prima.donnas	0.31	0.31	0.40	-0.05	-0.13	0.39	-0.22	0.27	0.13	-0.21	-0.21	-	0.31	0.35	-0.33	-0.26	-	0.26	-	-0.35	-0.31	0.31	-0.40	0.10
radio.silence	0.11	-0.02	0.01	0.12	-0.08	-0.06	0.17	0.70	0.54	0.22	0.23	-	0.04	0.00	-0.07	-0.14	0.26	-	-	0.14	-0.64	-0.29	-0.18	-0.43
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
missing.links	0.10	0.02	0.21	0.31	-0.17	0.16	0.16	0.03	-0.14	0.41	0.42	-	0.15	0.13	0.89	0.72	-0.35	0.14	-	-	-0.35	-0.66	0.54	0.04

	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	0.75	0.77	-0.57	-0.16	-0.05	-0.07	-0.21	-0.16	-0.18	0.32	0.20	-0.31	-0.04	0.12	-0.41	0.07	0.77	-0.18	-0.34	0.72	-0.30
prima.donnas	0.00	0.00	0.46	-0.30	0.04	-0.22	-0.31	0.48	-0.31	-0.31	-0.39	0.39	0.04	-0.13	-0.31	0.35	0.05	-0.27	0.48	-0.04	-0.39
radio.silence	-0.24	-0.07	0.44	-0.20	0.88	0.37	0.54	0.26	0.22	0.19	0.48	0.39	-0.31	-0.07	0.24	0.01	0.15	-0.30	-0.09	0.10	-0.20
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
missing.links	0.39	0.38	-0.47	-0.58	0.20	0.11	-0.10	-0.48	-0.05	0.39	0.39	0.17	0.28	0.33	-0.25	0.07	0.30	0.32	-0.55	0.26	0.17

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

	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	0.84	0.96	0.20	0.99	0.20	0.10	0.82	0.60	0.78	0.89	0.98	-	0.65	0.88	0.03	-	0.41	0.66	-	0.01	0.35	0.05	0.08	0.60
prima.donnas	0.33	0.33	0.20	0.89	0.68	0.21	0.50	0.40	0.68	0.51	0.52	-	0.33	0.26	0.30	0.41	-	0.41	-	0.26	0.33	0.33	0.22	0.77
radio.silence	0.74	0.95	0.99	0.72	0.82	0.85	0.59	0.01	0.07	0.50	0.48	-	0.90	0.99	0.84	0.66	0.41	-	-	0.67	0.02	0.36	0.60	0.19
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
missing.links	0.76	0.94	0.50	0.33	0.61	0.62	0.62	0.92	0.66	0.19	0.17	-	0.64	0.69	0.00	0.01	0.26	0.67	-	-	0.26	0.02	0.09	0.90

	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	0.01	0.01	0.07	0.64	0.87	0.84	0.51	0.63	0.58	0.31	0.53	0.32	0.91	0.72	0.19	0.83	0.00	0.57	0.28	0.01	0.34
prima.donnas	1.00	1.00	0.16	0.37	0.89	0.50	0.33	0.11	0.33	0.33	0.21	0.21	0.89	0.68	0.33	0.26	0.89	0.39	0.11	0.89	0.21
radio.silence	0.47	0.83	0.18	0.55	0.00	0.24	0.07	0.41	0.50	0.55	0.11	0.21	0.33	0.82	0.45	0.97	0.65	0.35	0.77	0.76	0.54
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
missing.links	0.23	0.24	0.14	0.06	0.54	0.74	0.76	0.12	0.88	0.21	0.21	0.59	0.37	0.29	0.43	0.83	0.34	0.31	0.06	0.41	0.60