

Socio-technical analysis result (Mallet)

	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 – 2013-06	9	7	2	0	0.7778	0.2222	0.0000	2	0.2222	0	0	1	5	5	0	0	0	0	0	0	1	1.0000	0.0000	0.0000
2	2013-06 – 2013-11	31	30	0	1	0.9677	0.0000	0.0323	1	0.0323	0	0	1	18	18	0	0	0	2	0	0	1	1.0000	0.3500	0.6667
3	2013-11 – 2014-02	20	19	0	1	0.9500	0.0000	0.0500	0	0.0000	0	0	1	10	10	0	0	0	0	0	0	1	1.0000	1.0588	0.0000
4	2014-02 – 2014-05	16	14	1	1	0.8750	0.0625	0.0625	1	0.0625	0	0	1	6	6	0	0	0	0	0	0	1	1.0000	0.8889	0.0000
5	2014-05 – 2014-08	20	18	1	1	0.9000	0.0500	0.0500	0	0.0000	0	0	1	9	9	0	0	0	2	0	0	1	1.0000	0.7222	0.5000
6	2014-08 – 2014-11	11	6	3	2	0.5455	0.2727	0.1818	1	0.0909	0	0	1	5	5	0	0	0	2	0	0	1	1.0000	1.1613	0.0000
7	2014-11 – 2015-02	12	9	2	1	0.7500	0.1667	0.0833	0	0.0000	0	0	1	5	5	0	0	0	0	0	0	1	1.0000	0.7826	1.0000
8	2015-02 – 2015-05	5	2	2	1	0.4000	0.4000	0.2000	1	0.2000	0	0	1	2	2	0	0	0	3	0	0	1	1.0000	1.1765	0.3333
9	2015-05 – 2015-08	9	6	2	1	0.6667	0.2222	0.1111	2	0.2222	0	0	1	5	5	1	1	0	0	0	1	0	0.3333	0.5714	0.6667
10	2015-08 – 2015-11	13	10	2	1	0.7692	0.1538	0.0769	0	0.0000	0	0	1	7	7	0	0	0	0	0	0	1	1.0000	0.5455	0.6667
11	2015-11 – 2016-01	4	1	2	1	0.2500	0.5000	0.2500	0	0.0000	0	0	1	1	1	0	0	0	2	0	0	1	1.0000	1.2941	0.3333
12	2016-01 – 2016-05	22	17	3	2	0.7727	0.1364	0.0909	0	0.0000	0	0	1	11	11	0	0	0	0	0	0	1	1.0000	0.1538	0.2500
	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	0.0000	0.4444	0.2857	1.0000	0.0375	0.0357	0.1389	0.6250	0.6250	0.0000	0.1111	5	0	0	1.0000	0.0000	0				
2	0.3478	0.3478	0	0.0000	0.0645	0.4194	0.4194	1.0000	0.0123	0.0706	0.1667	0.7028	0.7028	0.0000	0.0667	18	0	0	1.0000	0.0000	0				
3	1.0000	1.0000	0	0.0370	0.0000	0.5000	0.5000	1.0000	0.1215	0.5479	0.5000	0.4369	0.4369	0.0000	0.1316	10	0	0	1.0000	0.0000	0				
4	1.0000	1.0000	0	0.0000	0.0000	0.6250	0.6000	1.0000	0.1275	0.4857	0.5667	0.3516	0.3516	0.0000	0.2333	6	0	0	1.0000	0.0000	0				
5	0.5333	0.5333	0	0.0000	0.1000	0.5500	0.5263	1.0000	0.0608	0.1973	0.2895	0.4889	0.4889	0.0000	0.1316	9	0	0	1.0000	0.0000	0				
6	1.1429	1.1429	0	0.1111	0.1818	0.5455	0.3750	1.0000	0.1289	0.3289	0.2727	0.3950	0.3950	0.0000	0.1273	5	0	0	1.0000	0.0000	0				
7	0.6000	0.6000	0	0.0000	0.0000	0.5833	0.5000	1.0000	0.1524	0.2281	0.2273	0.2574	0.2574	0.0000	0.2273	5	0	0	1.0000	0.0000	0				
8	1.1429	1.1429	0	0.0000	0.6000	0.6000	0.3333	1.0000	0.1855	0.1667	0.3000	-0.3889	-0.3889	0.0000	0.2000	2	0	0	1.0000	0.0000	0				
9	0.2857	0.5714	0	0.5000	0.2222	0.4444	0.2857	0.6667	0.0208	0.0312	0.1111	0.4644	0.3140	-0.5000	0.1389	5	1	0	0.8333	0.1667	0				
10	0.6667	0.8333	2	0.1667	0.0000	0.4615	0.3636	1.0000	0.0304	0.0455	0.1538	0.5540	0.5540	0.0000	0.1795	7	0	0	1.0000	0.0000	0				
11	1.5000	1.5000	0	0.0000	0.5000	0.7500	0.5000	1.0000	0.1389	0.0000	0.1667	-0.5000	-0.5000	0.0000	0.1667	1	0	0	1.0000	0.0000	0				
12	0.0000	0.0000	0	0.5000	0.0000	0.5000	0.4211	1.0000	0.0075	0.0229	0.0952	0.7086	0.7086	0.0000	0.0952	11	0	0	1.0000	0.0000	0				

Community smells: Pearson's correlation (Mallet)

	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	-0.21	-0.21	0.11	-0.05	-0.07	0.08	0.05	0.54	0.52	-	-	-	-0.14	-0.14	1.00	-	-	-0.25	-	1.00	-1.00	-1.00	-0.20	0.27
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
radio.silence	-0.11	-0.11	-0.03	0.16	-0.49	0.43	0.56	-0.03	0.07	-	-	-	-0.09	-0.09	-0.25	-0.25	-	-	-	-0.25	0.25	0.25	0.43	-0.11
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
missing.links	-0.21	-0.21	0.11	-0.05	-0.07	0.08	0.05	0.54	0.52	-	-	-	-0.14	-0.14	1.00	1.00	-	-0.25	-	-	-1.00	-1.00	-0.20	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	-0.34	-0.17	-0.10	0.64	0.13	-0.30	-0.44	-1.00	-0.32	-0.25	-0.29	0.10	-0.01	-1.00	-0.07	-0.14	1.00	-	-1.00	1.00	-	-		
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
radio.silence	0.43	0.36	-0.28	-0.47	0.74	0.36	-0.03	0.25	0.37	-0.12	-0.03	-0.55	-0.52	0.25	-0.11	-0.09	-0.25	-	0.25	-0.25	-	-		
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
missing.links	-0.34	-0.17	-0.10	0.64	0.13	-0.30	-0.44	-1.00	-0.32	-0.25	-0.29	0.10	-0.01	-1.00	-0.07	-0.14	1.00	-	-1.00	1.00	-	-		

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

	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	0.51	0.74	0.88	0.82	0.80	0.88	0.07	0.08	-	-	-	0.67	0.67	0.00	-	-	0.44	-	0.00	0.00	0.00	0.56	0.43
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
radio.silence	0.74	0.74	0.94	0.61	0.11	0.17	0.06	0.92	0.82	-	-	-	0.79	0.79	0.44	0.44	-	-	-	0.44	0.44	0.44	0.18	0.76
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
missing.links	0.50	0.51	0.74	0.88	0.82	0.80	0.88	0.07	0.08	-	-	-	0.67	0.67	0.00	0.00	-	0.44	-	-	0.00	0.00	0.56	0.43
	core.global.turnover	core.mail.turnover	core.code.turnover	ratio.smelly.quitters	ratio.smelly.devs	global.truck	mail.truck	code.truck	closeness.cent	betweenness.cent	degree.cent	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	0.30	0.62	0.77	0.03	0.70	0.34	0.15	0.00	0.31	0.43	0.36	0.76	0.97	0.00	0.82	0.67	0.00	-	0.00	0.00	-	-		
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
radio.silence	0.19	0.28	0.40	0.14	0.01	0.25	0.92	0.44	0.24	0.71	0.94	0.07	0.08	0.44	0.73	0.79	0.44	-	0.44	0.44	-	-		
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
missing.links	0.30	0.62	0.77	0.03	0.70	0.34	0.15	0.00	0.31	0.43	0.36	0.76	0.97	0.00	0.82	0.67	0.00	-	0.00	0.00	-	-		

Community smells: Spearman's correlation (Mallet)

	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	-0.26	-0.26	0.09	-0.06	-0.22	0.18	0.22	0.48	0.47	-	-	-	-0.18	-0.18	1.00	-	-	-0.25	-	1.00	-1.00	-1.00	-0.20	0.31
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
radio.silence	-0.22	-0.27	-0.03	0.16	-0.29	0.31	0.35	0.04	0.10	-	-	-	-0.27	-0.27	-0.25	-0.25	-	-	-	-0.25	0.25	0.25	0.46	-0.07
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
missing.links	-0.26	-0.26	0.09	-0.06	-0.22	0.18	0.22	0.48	0.47	-	-	-	-0.18	-0.18	1.00	1.00	-	-0.25	-	-	-1.00	-1.00	-0.20	0.31
	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	-0.40	-0.20	-0.10	0.49	0.33	-0.35	-0.44	-1.00	-0.31	-0.31	-0.39	0.04	-0.22	-1.00	0.04	-0.18	1.00	-	-1.00	1.00	-			
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
radio.silence	0.45	0.35	-0.28	-0.52	0.80	0.31	-0.00	0.25	0.39	-0.01	0.31	-0.33	-0.29	0.25	-0.11	-0.27	-0.25	-	0.25	-0.25	-			
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
missing.links	-0.40	-0.20	-0.10	0.49	0.33	-0.35	-0.44	-1.00	-0.31	-0.31	-0.39	0.04	-0.22	-1.00	0.04	-0.18	1.00	-	-1.00	1.00	-			

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

	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	0.41	0.41	0.77	0.86	0.50	0.59	0.49	0.12	0.13	-	-	-	0.58	0.58	0.00	-	-	0.44	-	0.00	0.00	0.00	0.56	0.36
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
radio.silence	0.49	0.40	0.94	0.62	0.37	0.33	0.26	0.89	0.76	-	-	-	0.40	0.40	0.44	0.44	-	-	-	0.44	0.44	0.44	0.16	0.85
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
missing.links	0.41	0.41	0.77	0.86	0.50	0.59	0.49	0.12	0.13	-	-	-	0.58	0.58	0.00	0.00	-	0.44	-	-	0.00	0.00	0.56	0.36
	core.global.turnover	core.mail.turnover	core.code.turnover	ratio.smelly.quitters	ratio.smelly.devs	global.truck	mail.truck	code.truck	closeness.cent	betweenness.cent	degree.cent	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	0.22	0.55	0.77	0.12	0.30	0.26	0.15	0.00	0.33	0.33	0.21	0.89	0.50	0.00	0.89	0.58	0.00	-	0.00	0.00	-	-	-	
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
radio.silence	0.17	0.30	0.40	0.10	0.00	0.32	0.99	0.44	0.20	0.97	0.32	0.29	0.37	0.44	0.74	0.40	0.44	-	0.44	0.44	-	-	-	
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
missing.links	0.22	0.55	0.77	0.12	0.30	0.26	0.15	0.00	0.33	0.33	0.21	0.89	0.50	0.00	0.89	0.58	0.00	-	0.00	0.00	-	-	-	