

Socio-technical analysis result (FFmpeg)

	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 – 2013-07		155	61	28	66	0.3935	0.1806	0.4258	19	0.1226	1	0.0106	24	50	44	23	86	0	70	0	127	0.3351	0.8662	0.0000	0.0000																
2	2013-07 – 2013-10		162	64	39	59	0.3951	0.2407	0.3642	18	0.1111	0	0.0000	29	48	38	26	147	0	78	1	164	0.2579	0.8185	0.5047	0.4479																
3	2013-10 – 2014-01		174	67	41	66	0.3851	0.2356	0.3793	16	0.0920	1	0.0093	32	53	43	16	90	0	66	1	95	0.0104	0.8542	0.4821	0.4585																
4	2014-01 – 2014-04		552	56	400	96	0.1014	0.7246	0.1739	24	0.0435	3	0.0060	31	60	47	34	145	0	92	2	189	0.2759	0.9676	0.1019	0.0232																
5	2014-04 – 2014-07		190	68	44	78	0.3579	0.2316	0.4105	23	0.1211	3	0.0246	28	58	47	34	120	0	94	0	145	0.2857	0.8657	1.2102	1.3948																
6	2014-07 – 2014-10		228	173	30	25	0.7588	0.1316	0.1096	9	0.0395	1	0.0182	30	67	59	15	63	0	72	0	66	0.0294	0.7500	0.4785	1.0508																
7	2014-10 – 2015-01		662	52	505	105	0.0785	0.7628	0.1586	27	0.0408	2	0.0033	31	59	52	28	56	2	63	0	85	0.4408	0.9832	0.1551	0.0301																
8	2015-01 – 2015-04		208	87	33	88	0.4183	0.1587	0.4231	26	0.1250	3	0.0248	31	63	58	30	91	0	83	0	138	0.4052	0.9077	1.2828	1.4802																
9	2015-04 – 2015-07		189	68	40	81	0.3598	0.2116	0.4286	28	0.1481	3	0.0248	31	57	52	25	55	0	74	2	107	0.3554	0.8998	0.6297	0.5537																
10	2015-07 – 2015-10		215	87	32	96	0.4047	0.1488	0.4465	24	0.1116	4	0.0312	30	68	59	36	83	0	100	2	177	0.4197	0.8895	0.4554	0.4498																
11	2015-10 – 2016-01		190	88	21	81	0.4632	0.1105	0.4263	27	0.1421	3	0.0294	31	58	52	27	48	0	86	1	117	0.4682	0.9050	0.5827	0.6087																
12	2016-01 – 2016-04		220	100	22	98	0.4545	0.1000	0.4455	23	0.1045	2	0.0167	30	62	58	28	35	4	114	2	99	0.5580	0.9398	0.4488	0.4324																
		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		0.6516		0.6774		0.6535		0.7553		0.0182		0.4164		0.6626		0.1738		0.1614		0.2293		0.0517		28		7		16		0.5490		0.1373		0.3137
2		0.4082		0.5122		0.3673		0.6375		0.7284		0.7037		0.6911		0.7347		0.0198		0.4473		0.6277		0.4346		0.1263		0.4467		0.0493		25		13		13		0.4902		0.2549		0.2549
3		0.2970		0.2963		0.8095		0.7407		0.5402		0.6954		0.6767		0.8505		0.0142		0.4054		0.5823		0.4179		0.1678		0.3759		0.0478		40		13		3		0.7143		0.2321		0.0536
4		0.3894		0.3778		0.2800		0.6757		0.2500		0.8913		0.6908		0.9315		0.0012		0.0624		0.2506		0.2844		0.1679		0.4297		0.0053		30		17		17		0.4688		0.2656		0.2656
5		0.4915		0.4468		0.4706		0.1670		0.7526		0.6947		0.6781		0.7213		0.0139		0.5297		0.6935		0.2914		0.0841		0.4604		0.0366		29		16		18		0.4603		0.2540		0.2857
6		0.4480		0.3962		1.0612		0.7300		0.4430		0.7061		0.7020		0.7273		0.0175		0.5442		0.7183		0.2304		0.1610		0.4857		0.0439		55		11		4		0.7857		0.1571		0.0571
7		0.5238		0.5405		0.2791		0.4203		0.1586		0.9109		0.6688		0.9541		0.0008		0.0452		0.2103		0.3092		0.0909		0.5509		0.0030		32		8		20		0.5333		0.1333		0.3333
8		0.3934		0.3818		0.5517		0.0950		0.6058		0.6971		0.6686		0.7521		0.0127		0.4993		0.7003		0.3070		0.1752		0.5314		0.0388		38		10		20		0.5588		0.1471		0.2941
9		0.4833		0.5455		0.6909		0.5840		0.6032		0.6984		0.6510		0.7934		0.0112		0.4971		0.6894		0.2595		0.2306		0.3422		0.0341		38		11		14		0.6032		0.1746		0.2222
10		0.3200		0.3784		0.3279		0.5435		0.6977		0.6837		0.6776		0.7188		0.0161		0.3761		0.6334		0.3073		0.1625		0.4603		0.0442		37		14		22		0.5068		0.1918		0.3014
11		0.4762		0.4324		0.5714		0.7034		0.6158		0.6947		0.6923		0.7353		0.0141		0.3248		0.6040		0.1053		0.0740		0.3710		0.0521		36		11		16		0.5714		0.1746		0.2540
12		0.3167		0.2727		0.4727		0.6413		0.6455		0.7182		0.7071		0.7667		0.0151		0.4335		0.6524		0.1759		0.0874		0.4115		0.0417		34		4		24		0.5484		0.0645		0.3871

Community smells: Pearson's correlation (FFmpeg)

	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
org.silo	0.06	-0.39	0.15	-0.11	-0.32	0.31	-0.12	-0.17	-0.13	-0.16	-0.42	-0.18	-0.37	-0.65	0.30	-	-0.51	-0.01	-0.03	0.74	-0.37	-0.14	0.09
prima.donnas	0.28	0.04	0.21	0.44	-0.13	0.10	0.00	0.18	-0.19	-0.06	-0.18	0.10	0.17	0.33	0.08	-0.51	-	0.41	0.17	-0.36	0.53	0.46	-0.28
radio.silence	-0.15	0.11	-0.23	0.43	0.07	-0.27	0.39	0.28	0.22	0.50	0.42	0.03	0.43	0.38	0.63	-0.01	0.41	-	0.49	0.43	0.53	0.27	0.14
black.cloud	-0.07	-0.23	-0.08	0.37	-0.18	-0.05	0.34	0.27	0.23	0.28	0.08	0.20	0.00	0.00	0.26	-0.03	0.17	0.49	-	0.39	0.29	0.32	-0.45
missing.links	0.02	-0.47	0.07	0.35	-0.40	0.16	0.25	0.31	0.19	0.37	0.02	-0.16	-0.08	-0.28	0.75	0.74	-0.36	0.43	0.39	-	0.20	0.22	0.07
	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	-0.10	0.10	-0.35	-0.16	0.07	0.14	0.01	0.08	-0.04	-0.10	-0.18	0.61	0.13	0.09	-0.14	-0.49	0.73	-0.12	-0.45	0.83	-0.06		
prima.donnas	-0.16	-0.28	-0.24	0.06	-0.18	0.28	0.36	0.23	-0.19	-0.21	-0.21	-0.25	-0.48	0.17	-0.23	-0.10	-0.70	0.48	-0.10	-0.69	0.51		
radio.silence	-0.41	-0.50	-0.38	-0.09	0.38	-0.14	0.51	-0.33	0.11	0.10	0.18	-0.30	-0.32	0.09	0.08	-0.18	0.02	0.63	-0.47	-0.13	0.52		
black.cloud	-0.50	-0.24	-0.27	0.52	0.14	-0.02	0.06	0.07	-0.02	-0.16	-0.06	-0.13	0.31	-0.66	0.02	-0.21	0.03	0.25	-0.23	0.01	0.22		
missing.links	-0.24	0.02	-0.67	-0.20	0.24	0.06	-0.04	-0.07	-0.06	-0.19	-0.14	0.26	0.10	-0.01	-0.10	-0.60	0.60	0.41	-0.76	0.58	0.38		

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

	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	0.21	0.64	0.74	0.32	0.33	0.70	0.60	0.69	0.62	0.18	0.57	0.23	0.02	0.35	-	0.09	0.97	0.92	0.01	0.24	0.66	0.80	0.94
prima.donnas	0.38	0.90	0.51	0.15	0.68	0.76	1.00	0.57	0.55	0.85	0.58	0.75	0.59	0.30	0.81	0.09	-	0.18	0.61	0.25	0.08	0.13	0.40	0.34
radio.silence	0.65	0.73	0.48	0.17	0.84	0.40	0.21	0.38	0.50	0.10	0.18	0.94	0.16	0.22	0.03	0.97	0.18	-	0.12	0.16	0.08	0.40	0.69	0.83
black.cloud	0.83	0.50	0.82	0.27	0.59	0.89	0.30	0.42	0.50	0.40	0.82	0.56	1.00	1.00	0.43	0.92	0.61	0.12	-	0.24	0.39	0.34	0.16	0.06
missing.links	0.95	0.13	0.84	0.26	0.20	0.61	0.43	0.33	0.55	0.24	0.95	0.63	0.80	0.38	0.01	0.01	0.25	0.16	0.24	-	0.53	0.49	0.84	0.79
	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	0.76	0.77	0.28	0.64	0.83	0.66	0.98	0.81	0.91	0.75	0.58	0.04	0.69	0.78	0.66	0.11	0.01	0.72	0.14	0.00	0.84			
prima.donnas	0.63	0.41	0.47	0.87	0.58	0.38	0.25	0.48	0.56	0.52	0.52	0.43	0.12	0.60	0.48	0.75	0.01	0.11	0.75	0.01	0.09			
radio.silence	0.21	0.12	0.25	0.79	0.23	0.67	0.09	0.29	0.73	0.75	0.58	0.35	0.31	0.79	0.81	0.57	0.95	0.03	0.12	0.70	0.08			
black.cloud	0.12	0.49	0.42	0.10	0.69	0.95	0.86	0.83	0.94	0.64	0.86	0.70	0.36	0.03	0.95	0.53	0.93	0.46	0.49	0.98	0.51			
missing.links	0.48	0.96	0.02	0.56	0.45	0.85	0.91	0.83	0.86	0.55	0.67	0.42	0.76	0.99	0.76	0.04	0.04	0.18	0.00	0.05	0.22			

Community smells: Spearman’s correlation (FFmpeg)

	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
org.silo	-0.25	-0.48	0.50	-0.36	-0.36	0.60	-0.44	-0.38	-0.13	-0.15	-0.41	-0.20	-0.26	-0.56	0.21	-	-0.53	-0.02	-0.20	0.63	-0.67	-0.32	0.13
prima.donnas	0.50	-0.01	0.01	0.64	-0.08	-0.06	0.05	0.17	-0.37	-0.14	-0.30	0.04	0.20	0.24	0.13	-0.53	-	0.06	0.05	-0.44	0.59	0.57	-0.51
radio.silence	0.20	0.46	-0.29	0.36	0.27	-0.46	0.55	0.14	0.22	0.59	0.46	-0.27	0.44	0.34	0.70	-0.02	0.06	-	0.47	0.57	0.40	0.20	-0.03
black.cloud	-0.08	0.00	-0.17	0.32	-0.03	-0.17	0.57	0.19	0.20	0.30	0.14	0.11	-0.02	0.00	0.17	-0.20	0.05	0.47	-	0.40	0.20	0.20	-0.37
missing.links	-0.16	-0.26	0.13	0.11	-0.20	0.20	0.24	0.13	0.31	0.45	0.10	-0.28	-0.02	-0.23	0.68	0.63	-0.44	0.57	0.40	-	-0.03	0.08	0.06
	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	-0.10	0.01	-0.32	-0.19	0.22	-0.08	-0.13	-0.15	0.10	0.15	-0.03	0.57	0.27	0.24	-0.03	-0.40	0.62	-0.23	-0.50	0.70	-0.17		
prima.donnas	0.01	-0.13	-0.34	-0.12	-0.22	0.57	0.24	0.43	-0.22	-0.29	-0.29	-0.04	-0.39	0.22	-0.36	-0.12	-0.60	0.56	-0.12	-0.65	0.65		
radio.silence	-0.33	-0.45	-0.28	-0.21	0.52	-0.12	0.48	-0.45	0.05	0.09	0.17	-0.23	-0.22	0.01	-0.02	-0.17	0.28	0.60	-0.50	0.20	0.31		
black.cloud	-0.51	-0.34	-0.13	0.27	0.10	-0.02	0.10	0.13	0.07	-0.37	-0.27	-0.20	0.27	-0.71	0.07	-0.07	0.20	0.17	-0.10	0.22	0.07		
missing.links	-0.18	-0.09	-0.54	-0.32	0.50	-0.30	-0.05	-0.31	0.04	-0.13	-0.09	0.17	0.17	-0.05	0.03	-0.53	0.60	0.28	-0.73	0.63	0.17		

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

	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	0.44	0.11	0.10	0.26	0.25	0.04	0.15	0.22	0.68	0.64	0.19	0.54	0.42	0.06	0.51	-	0.07	0.96	0.55	0.03	0.02	0.31	0.71	0.99																			
prima.donnas	0.10	0.97	0.97	0.02	0.80	0.86	0.88	0.60	0.24	0.68	0.34	0.89	0.52	0.45	0.69	0.07	-	0.86	0.88	0.15	0.04	0.05	0.11	0.11																			
radio.silence	0.53	0.13	0.35	0.25	0.39	0.13	0.07	0.67	0.48	0.04	0.14	0.40	0.15	0.27	0.01	0.96	0.86	-	0.14	0.06	0.20	0.53	0.95	0.92																			
black.cloud	0.80	1.00	0.62	0.33	0.92	0.62	0.07	0.58	0.55	0.37	0.69	0.75	0.96	1.00	0.62	0.55	0.88	0.14	-	0.22	0.55	0.55	0.26	0.09																			
missing.links	0.62	0.42	0.70	0.73	0.53	0.54	0.44	0.70	0.33	0.15	0.75	0.37	0.96	0.47	0.02	0.03	0.15	0.06	0.22	-	0.92	0.82	0.86	0.67																			
		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		0.78	0.99	0.34	0.58	0.48	0.81	0.70	0.65	0.75	0.65	0.94	0.06	0.40	0.46	0.92	0.20	0.03	0.47	0.10	0.01	0.60																					
prima.donnas		0.97	0.69	0.31	0.72	0.49	0.05	0.46	0.16	0.49	0.36	0.36	0.91	0.21	0.49	0.25	0.70	0.04	0.06	0.70	0.02	0.02																					
radio.silence		0.33	0.17	0.40	0.54	0.09	0.71	0.12	0.14	0.89	0.78	0.60	0.47	0.50	0.99	0.96	0.60	0.37	0.04	0.10	0.53	0.33																					
black.cloud		0.11	0.31	0.69	0.42	0.77	0.96	0.77	0.69	0.84	0.26	0.42	0.55	0.42	0.01	0.84	0.84	0.55	0.62	0.77	0.52	0.84																					
missing.links		0.60	0.80	0.09	0.34	0.10	0.35	0.89	0.32	0.90	0.70	0.78	0.59	0.59	0.89	0.92	0.08	0.04	0.38	0.01	0.03	0.59																					