

Socio-technical analysis result (nginx)

	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.code.devs	ratio.sponsored.code	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	2013-05 – 2013-07	38	28	5	5	0.7368	0.1316	0.1316	3	0.0789	0	0.0000	6	15	15	3	3	0	0	0	4	0.0000	0.7250	0.0000	0.0000	
2	2013-07 – 2013-11	59	47	5	7	0.7966	0.0847	0.1186	6	0.1017	0	0.0000	8	24	24	3	2	0	22	0	2	0.5000	0.8333	0.4948	0.3636	
3	2013-11 – 2013-11	15	12	1	2	0.8000	0.0667	0.1333	0	0.0000	0	0.0000	4	8	8	0	0	0	0	0	0	1.0000	1.0000	1.4054	1.2000	
4	2013-11 – 2014-04	92	74	9	9	0.8043	0.0978	0.0978	6	0.0652	0	0.0000	12	40	39	5	4	0	33	0	7	0.1250	0.7986	0.0748	0.0000	
5	2014-04 – 2014-08	62	48	6	8	0.7742	0.0968	0.1290	4	0.0645	1	0.0714	5	28	27	2	4	0	22	0	4	0.2000	0.7571	0.8961	0.5625	
6	2014-08 – 2014-10	55	43	6	6	0.7818	0.1091	0.1091	4	0.0727	0	0.0000	7	25	24	2	2	0	2	0	2	0.3333	0.8611	0.6154	0.2308	
7	2014-10 – 2015-01	51	42	1	8	0.8235	0.0196	0.1569	3	0.0588	1	0.1111	5	22	22	2	1	0	18	0	3	0.4000	0.7556	0.5660	0.5714	
8	2015-01 – 2015-04	53	44	3	6	0.8302	0.0566	0.1132	1	0.0189	0	0.0000	7	27	27	4	4	0	13	0	6	0.2500	0.6250	0.6154	0.4444	
9	2015-04 – 2015-07	42	32	7	3	0.7619	0.1667	0.0714	2	0.0476	0	0.0000	4	21	19	4	7	0	2	0	7	0.2222	0.5556	0.7368	0.3158	
10	2015-07 – 2015-10	72	59	0	13	0.8194	0.0000	0.1806	2	0.0278	0	0.0000	9	36	36	3	0	0	12	0	4	0.0000	0.7308	0.3684	0.0870	
11	2015-10 – 2015-12	44	35	5	4	0.7955	0.1136	0.0909	3	0.0682	2	0.2222	3	22	20	4	3	0	0	0	5	0.1667	0.6667	0.8966	0.4545	
12	2015-12 – 2016-04	69	58	3	8	0.8406	0.0435	0.1159	3	0.0435	0	0.0000	9	29	29	1	0	0	11	0	1	0.0000	0.8182	0.3717	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	0.0000	0.0000	0.1316	0.6053	0.5455	0.7000	0.1199	0.7865	0.7966	0.3589	0.3155	0.4989	0.0683	13	1	2	0.8125	0.0625	0.1250					
2	0.5128	0.5128	0.6667	0.0833	0.4068	0.5932	0.5556	0.7500	0.0425	0.6454	0.6727	0.1665	0.1703	0.1121	0.0514	22	1	2	0.8800	0.0400	0.0800					
3	1.2500	1.2500	2.0000	0.4038	0.0000	0.4667	0.4286	1.0000	0.0667	0.2190	0.2048	0.3646	0.3646	0.0000	0.1524	8	0	0	1.0000	0.0000	0.0000					
4	0.0833	0.0851	0.0000	0.0000	0.4130	0.5652	0.5301	0.7222	0.0492	0.7730	0.7449	0.2111	0.1793	0.4280	0.0354	35	1	4	0.8750	0.0250	0.1000					
5	0.8824	0.9091	0.8571	0.4058	0.4032	0.5484	0.5179	0.8571	0.0356	0.6328	0.6452	0.2190	0.1212	0.0250	0.0434	26	1	1	0.9286	0.0357	0.0357					
6	0.7170	0.7059	0.0000	0.4167	0.0909	0.5455	0.5102	0.8333	0.0273	0.4232	0.4734	0.2770	0.3983	-0.3527	0.0451	23	1	1	0.9200	0.0400	0.0400					
7	0.7234	0.6957	0.5000	0.0333	0.4118	0.5686	0.5600	0.7778	0.0840	0.6563	0.6647	0.0675	0.0948	0.0304	0.0753	21	1	1	0.9130	0.0435	0.0435					
8	0.4490	0.4898	0.3333	0.3750	0.2830	0.4906	0.4600	0.5556	0.0684	0.7048	0.5127	0.2892	0.3603	0.1482	0.0450	24	1	3	0.8571	0.0357	0.1071					
9	0.6250	0.7391	0.5000	0.1143	0.1905	0.5000	0.4571	0.6000	0.0412	0.4683	0.4297	0.5514	0.5005	0.3828	0.0581	17	2	2	0.8095	0.0952	0.0952					
10	0.3860	0.4000	0.8571	0.0476	0.2222	0.5000	0.5000	0.7692	0.0240	0.4809	0.4851	0.4929	0.4303	0.1277	0.0360	33	0	3	0.9167	0.0000	0.0833					
11	0.8276	0.8571	0.5714	0.1346	0.1591	0.5000	0.4872	0.5556	0.0702	0.6587	0.5042	0.1134	0.2725	0.0338	0.0539	17	1	3	0.8095	0.0476	0.1429					
12	0.4314	0.4082	1.2000	0.0000	0.1884	0.5797	0.5606	0.9091	0.0298	0.5209	0.4964	0.5477	0.5565	-0.5000	0.0477	28	0	1	0.9655	0.0000	0.0345					

Community smells: Pearson’s correlation (nginx)

	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	0.04	-0.02	0.74	-0.34	-0.53	0.77	-0.71	0.16	0.24	0.07	0.03	-0.19	0.08	0.02	0.68	-	-	0.06	-	0.81	-0.24	-0.70	-0.04	-0.14																			
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
radio.silence	0.77	0.77	0.25	0.63	0.36	-0.31	0.14	0.65	0.26	-0.06	-0.12	0.65	0.70	0.72	0.30	0.06	-	-	-	0.24	-0.15	0.07	-0.63	-0.36																			
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
missing.links	0.35	0.32	0.53	0.08	-0.21	0.39	-0.42	0.14	0.10	0.12	0.12	0.10	0.44	0.40	0.91	0.81	-	0.24	-	-	-0.51	-0.81	-0.37	-0.39																			
		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	-0.18	-0.07	-0.53	0.11	0.23	-0.08	-0.25	-0.66	0.07	0.37	0.24	-0.01	-0.08	0.58	-0.33	-0.04	0.90	0.39	-0.72	0.81	0.51																						
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																				
radio.silence	-0.61	-0.64	-0.34	-0.36	0.90	0.39	0.47	0.06	-0.27	0.48	0.55	-0.37	-0.59	0.15	-0.44	0.73	0.02	0.35	0.15	-0.23	-0.06																						
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																				
missing.links	-0.51	-0.42	-0.65	-0.21	0.37	-0.14	-0.17	-0.81	0.09	0.56	0.36	-0.04	-0.10	0.68	-0.53	0.31	0.66	0.79	-0.76	0.56	0.73																						

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

	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	0.91	0.96	0.01	0.28	0.08	0.00	0.01	0.63	0.45	0.84	0.92	0.55	0.81	0.96	0.01	-	-	0.86	-	0.00	0.45	0.01	0.91	0.69																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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radio.silence	0.00	0.00	0.43	0.03	0.26	0.33	0.67	0.02	0.41	0.84	0.72	0.02	0.01	0.01	0.35	0.86	-	-	-	0.45	0.65	0.83	0.04	0.27																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
missing.links	0.26	0.31	0.07	0.81	0.51	0.21	0.17	0.66	0.76	0.70	0.70	0.75	0.15	0.20	0.00	0.00	-	0.45	-	-	0.09	0.00	0.27	0.24																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
		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	0.60	0.83	0.10	0.76	0.47	0.82	0.42	0.02	0.82	0.23	0.45	0.97	0.81	0.05	0.29	0.90	0.00	0.21	0.01	0.00	0.09																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														

Community smells: Spearman's correlation (nginx)

	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	-0.04	0.77	-0.19	-0.48	0.66	-0.65	0.19	0.24	0.12	0.09	-0.21	0.01	-0.00	0.71	-	-	0.22	-	0.82	-0.06	-0.58	0.19	-0.01
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
radio.silence	0.74	0.76	0.20	0.75	0.35	-0.37	0.07	0.55	0.09	0.04	0.03	0.57	0.68	0.72	0.21	0.22	-	-	-	0.21	0.07	0.13	-0.61	-0.21
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
missing.links	0.10	0.14	0.50	0.05	-0.21	0.42	-0.53	0.00	0.05	0.11	0.10	-0.04	0.21	0.20	0.91	0.82	-	0.21	-	-	-0.35	-0.78	-0.12	-0.22
		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	-0.02	0.11	-0.60	0.22	0.31	-0.07	-0.27	-0.64	0.21	0.41	0.28	-0.10	-0.23	0.58	-0.24	0.01	0.85	0.44	-0.66	0.54	0.54			
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
radio.silence	-0.44	-0.52	-0.26	-0.39	0.92	0.30	0.43	0.06	-0.22	0.27	0.49	-0.39	-0.51	0.11	-0.61	0.71	0.13	0.24	0.13	-0.27	-0.12			
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
missing.links	-0.34	-0.24	-0.59	-0.14	0.40	-0.19	-0.30	-0.80	0.19	0.51	0.25	-0.05	-0.10	0.76	-0.38	0.20	0.63	0.78	-0.78	0.39	0.77			

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

	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	0.83	0.91	0.00	0.55	0.12	0.02	0.02	0.56	0.45	0.72	0.78	0.52	0.98	0.99	0.01	-	-	0.49	-	0.00	0.85	0.05	0.58	0.97																			
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
radio.silence	0.01	0.00	0.53	0.00	0.26	0.23	0.83	0.06	0.78	0.90	0.92	0.05	0.02	0.01	0.52	0.49	-	-	-	0.52	0.83	0.69	0.05	0.54																			
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
missing.links	0.76	0.65	0.10	0.87	0.51	0.17	0.08	0.99	0.89	0.73	0.75	0.90	0.52	0.53	0.00	0.00	-	0.52	-	-	0.26	0.00	0.73	0.52																			
		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	0.96	0.74	0.05	0.52	0.33	0.83	0.40	0.02	0.51	0.18	0.38	0.75	0.47	0.05	0.45	0.97	0.00	0.15	0.02	0.07	0.07																						
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																				
radio.silence	0.18	0.10	0.45	0.24	0.00	0.35	0.16	0.84	0.50	0.40	0.10	0.21	0.09	0.73	0.04	0.01	0.68	0.45	0.69	0.40	0.72																						
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																				
missing.links	0.30	0.47	0.05	0.68	0.19	0.56	0.34	0.00	0.55	0.09	0.42	0.89	0.75	0.00	0.22	0.53	0.03	0.00	0.00	0.21	0.00																						