

Socio-technical analysis result ( Gnome-shell )

	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		95	31	62	2	0.3263	0.6526	0.0211	18	0.1895	2	0.0312	1	25	18	9	34	0	2	0	34	0.0286	0.8094	0.0000	0.0000																
2	2013-09 – 2013-11		109	16	89	4	0.1468	0.8165	0.0367	18	0.1651	1	0.0108	1	20	13	12	48	0	4	0	50	0.0000	0.8447	0.4412	0.2930																
3	2013-11 – 2014-02		99	33	64	2	0.3333	0.6465	0.0202	10	0.1010	0	0.0000	1	23	15	9	39	0	0	0	40	0.0000	0.8303	0.5673	0.6164																
4	2014-02 – 2014-05		124	36	84	4	0.2903	0.6774	0.0323	17	0.1371	4	0.0455	1	25	19	9	43	0	16	0	45	0.0000	0.8558	0.3677	0.3506																
5	2014-05 – 2014-08		72	23	47	2	0.3194	0.6528	0.0278	19	0.2639	0	0.0000	1	21	14	7	33	0	1	0	33	0.0000	0.7860	0.7653	0.8029																
6	2014-08 – 2014-11		109	14	93	2	0.1284	0.8532	0.0183	30	0.2752	3	0.0316	1	18	9	12	56	0	0	0	56	0.0000	0.8622	0.3757	0.2500																
7	2014-11 – 2015-02		73	24	47	2	0.3288	0.6438	0.0274	13	0.1781	4	0.0816	1	17	9	9	28	0	0	0	29	0.0000	0.8121	0.8791	0.9583																
8	2015-02 – 2015-05		103	20	80	3	0.1942	0.7767	0.0291	17	0.1650	1	0.0120	1	20	13	8	23	0	4	0	23	0.0000	0.8774	0.4091	0.2727																
9	2015-05 – 2015-08		56	16	38	2	0.2857	0.6786	0.0357	16	0.2857	2	0.0500	1	13	9	5	12	0	0	0	12	0.0000	0.8188	0.9308	0.8943																
10	2015-08 – 2015-11		99	34	63	2	0.3434	0.6364	0.0202	13	0.1313	1	0.0154	1	26	21	8	11	0	4	0	11	0.0000	0.9175	0.2839	0.3048																
11	2015-11 – 2016-02		51	20	31	0	0.3922	0.6078	0.0000	10	0.1961	0	0.0000	1	12	10	2	2	0	0	0	2	0.0000	0.9032	0.8933	0.8958																
12	2016-02 – 2016-05		77	15	62	0	0.1948	0.8052	0.0000	9	0.1169	0	0.0000	1	11	9	1	1	0	0	0	1	0.0000	0.9677	0.3750	0.2366																
		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		0.2316		0.7368		0.4545		0.8594		0.0102		0.1927		0.2994		0.0119		0.6490		0.0019		0.0197		17		8		1		0.6538		0.3077		0.0385
2		0.8000		0.9032		0.4762		0.2222		0.2477		0.8165		0.3500		0.8710		0.0057		0.0558		0.1368		0.0501		0.7026		0.0483		0.0114		11		10		2		0.4783		0.4348		0.0870
3		0.6977		0.7143		0.7619		0.2881		0.1919		0.7677		0.5714		0.8636		0.0090		0.1425		0.2424		0.0776		0.2873		0.0441		0.0229		14		8		1		0.6087		0.3478		0.0435
4		0.5000		0.3529		0.4444		0.1707		0.2742		0.7984		0.5250		0.8977		0.0070		0.0974		0.2015		0.3742		0.1804		0.1581		0.0261		18		8		1		0.6667		0.2963		0.0370
5		0.6087		0.6667		0.6250		0.1867		0.2222		0.7083		0.4400		0.8571		0.0147		0.1636		0.2160		0.1086		0.3709		0.0095		0.0376		13		6		1		0.6500		0.3000		0.0500
6		0.8205		0.7826		0.2105		0.1765		0.2294		0.8349		0.4375		0.8737		0.0049		0.0389		0.1822		0.3960		0.5273		0.3903		0.0122		8		11		1		0.4000		0.5500		0.0500
7		0.8571		0.8889		0.7619		0.1750		0.2329		0.7671		0.6538		0.8163		0.0054		0.0314		0.1374		0.1179		0.2795		0.0647		0.0293		9		9		0		0.5000		0.5000		0.0000
8		0.5946		0.5455		0.7059		0.2222		0.2039		0.8058		0.4348		0.9036		0.0029		0.0216		0.1185		0.1114		0.6413		0.0998		0.0089		12		7		1		0.6000		0.3500		0.0500
9		1.0909		1.0909		0.9231		0.1622		0.1607		0.7679		0.5000		0.8750		0.0070		0.0288		0.1221		0.3863		0.3223		0.3035		0.0234		8		4		1		0.6154		0.3077		0.0769
10		0.3077		0.2667		0.4615		0.0455		0.1717		0.7374		0.4167		0.8769		0.0077		0.0938		0.0891		0.6014		0.5723		0.3438		0.0130		20		7		1		0.7143		0.2500		0.0357
11		1.0526		0.9677		1.4000		0.1642		0.0588		0.7647		0.5000		0.9355		0.0098		0.0263		0.1373		0.3630		0.3468		-0.4475		0.0227		10		2		0		0.8333		0.1667		0.0000
12		0.9565		0.9474		0.6667		0.0000		0.0260		0.8571		0.4000		0.9839		0.0009		0.0000		0.0347		0.7200		0.7438		-0.5000		0.0048		9		1		0		0.9000		0.1000		0.0000

# Community smells: Pearson's correlation ( Gnome-shell )

	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	0.70	0.12	0.70	0.70	-0.42	0.35	0.54	0.71	0.15	0.44	0.19	-	0.53	0.18	0.90	-	-	0.29	-	1.00	0.11	-0.56	-0.29	-0.27
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
radio.silence	0.64	0.53	0.47	0.67	-0.03	-0.03	0.39	0.10	-0.33	0.44	0.17	-	0.53	0.61	0.27	0.29	-	-	-	0.31	-0.04	0.03	-0.46	-0.39
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
missing.links	0.71	0.13	0.70	0.71	-0.41	0.34	0.55	0.69	0.13	0.44	0.20	-	0.53	0.18	0.90	1.00	-	0.31	-	-	0.10	-0.55	-0.29	-0.27
	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	-0.28	-0.21	-0.67	0.62	0.84	0.10	0.01	-0.56	0.13	0.39	0.62	-0.55	-0.10	0.53	0.15	0.10	0.89	0.63	-0.81	0.78	0.50			
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
radio.silence	-0.56	-0.66	-0.36	0.03	0.46	0.10	-0.03	0.06	-0.04	0.15	0.13	0.05	-0.24	0.23	0.06	0.60	0.24	0.32	0.02	-0.05	0.14			
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
missing.links	-0.28	-0.21	-0.66	0.62	0.84	0.11	0.02	-0.56	0.13	0.38	0.61	-0.55	-0.11	0.52	0.15	0.10	0.89	0.63	-0.80	0.78	0.50			

# Community smells: Pearson's correlation - p-values ( Gnome-shell )

	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	0.01	0.70	0.01	0.01	0.18	0.27	0.07	0.01	0.64	0.15	0.55	-	0.08	0.58	0.00	-	-	0.36	-	0.00	0.72	0.06	0.39	0.42
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
radio.silence	0.02	0.08	0.12	0.02	0.93	0.94	0.21	0.76	0.30	0.15	0.59	-	0.08	0.04	0.40	0.36	-	-	-	0.32	0.90	0.92	0.16	0.24
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
missing.links	0.01	0.68	0.01	0.01	0.18	0.28	0.07	0.01	0.69	0.15	0.53	-	0.08	0.57	0.00	0.00	-	0.32	-	-	0.75	0.06	0.39	0.42
	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	0.40	0.54	0.02	0.04	0.00	0.75	0.98	0.06	0.68	0.22	0.03	0.07	0.75	0.08	0.65	0.76	0.00	0.03	0.00	0.00	0.10			
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
radio.silence	0.07	0.03	0.28	0.94	0.13	0.77	0.92	0.86	0.89	0.63	0.69	0.87	0.45	0.47	0.85	0.04	0.45	0.32	0.96	0.88	0.66			
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
missing.links	0.40	0.54	0.03	0.04	0.00	0.73	0.96	0.06	0.69	0.22	0.04	0.07	0.72	0.08	0.64	0.75	0.00	0.03	0.00	0.00	0.10			

# Community smells: Spearman's correlation ( Gnome-shell )

	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	0.68	0.07	0.71	0.65	-0.42	0.41	0.38	0.70	0.13	0.44	0.25	-	0.42	0.20	0.91	-	-	0.26	-	1.00	0.13	-0.44	-0.12	-0.14
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
radio.silence	0.61	0.48	0.48	0.76	-0.14	0.09	0.54	0.38	-0.29	0.21	0.10	-	0.70	0.73	0.28	0.26	-	-	-	0.26	0.14	0.05	-0.56	-0.26
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
missing.links	0.68	0.07	0.71	0.65	-0.42	0.41	0.38	0.70	0.13	0.44	0.25	-	0.42	0.20	0.91	1.00	-	0.26	-	-	0.13	-0.44	-0.12	-0.14
	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	-0.31	-0.28	-0.56	0.69	0.80	0.17	0.11	-0.52	0.05	0.57	0.64	-0.46	-0.17	0.35	0.14	0.11	0.87	0.66	-0.69	0.68	0.54			
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
radio.silence	-0.81	-0.70	-0.56	0.16	0.52	-0.08	-0.34	0.09	0.08	0.34	-0.03	-0.23	0.17	0.24	-0.11	0.72	0.20	0.59	0.05	-0.08	0.23			
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
missing.links	-0.31	-0.28	-0.56	0.69	0.80	0.17	0.11	-0.52	0.05	0.57	0.64	-0.46	-0.17	0.35	0.14	0.11	0.87	0.66	-0.69	0.68	0.54			

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

	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	0.01	0.83	0.01	0.02	0.18	0.18	0.22	0.01	0.70	0.16	0.44	-	0.17	0.54	0.00	-	-	0.41	-	0.00	0.68	0.15	0.73	0.69																			
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
radio.silence	0.03	0.12	0.11	0.00	0.67	0.78	0.07	0.22	0.37	0.50	0.76	-	0.01	0.01	0.37	0.41	-	-	-	0.41	0.66	0.87	0.07	0.44																			
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
missing.links	0.01	0.83	0.01	0.02	0.18	0.18	0.22	0.01	0.70	0.16	0.44	-	0.17	0.54	0.00	0.00	-	0.41	-	-	0.68	0.15	0.73	0.69																			
		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	0.36	0.40	0.08	0.02	0.00	0.60	0.75	0.09	0.88	0.06	0.03	0.13	0.60	0.27	0.67	0.74	0.00	0.02	0.02	0.02	0.02	0.02	0.07																				
prima.donnas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																				
radio.silence	0.00	0.02	0.07	0.64	0.08	0.81	0.29	0.77	0.81	0.28	0.94	0.47	0.60	0.44	0.73	0.01	0.52	0.04	0.87	0.81	0.48																						
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																				
missing.links	0.36	0.40	0.08	0.02	0.00	0.60	0.75	0.09	0.88	0.06	0.03	0.13	0.60	0.27	0.67	0.74	0.00	0.02	0.02	0.02	0.02	0.07																					