Socio-technical analysis result (Rails) $_{\alpha}$

	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	2013-05	- 2013 - 08	313	75	216	22	0.2396	0.6901	0.0703	62	0.1981	4	0.0168	1	63	44	30	84	0	4	0	96	0.	0495	0.9579	0.0000	0.0000
2	2013-08	- 2013-11	266	45	202	19	0.1692	0.7594	0.0714	67	0.2519	4	0.0181	1	49	33	19	59	0	7	0	60	0.	0000	0.9600	0.7703	0.7407
3	2013-11	- 2014-02	319	64	232	23	0.2006	0.7273	0.0721	48	0.1505	6	0.0235	1	49	28	37	147	0	26	0	167	0.	0565	0.9346	0.5060	0.5210
4	2014-02	-2014-05	316	52	246	18	0.1646	0.7785	0.0570	64	0.2025	8	0.0303	1	72	35	47	148	0	10	0	157	0.	0063	0.9363	0.7370	0.7322
5	2014-05	- 2014 - 08	299	63	218	18	0.2107	0.7291	0.0602	53	0.1773	1	0.0042	1	63	33	40	205	0	2	0	217	0.	0046	0.9126	0.7577	0.7920
6	2014-08	- 2014-11	275	66	183	26	0.2400	0.6655	0.0945	46	0.1673	4	0.0191	1	69	48	33	133	0	9	0	151	0.	0131	0.9297	0.7387	0.7685
7	2014-11	- 2015-02	328	59	243	26	0.1799	0.7409	0.0793	52	0.1585	5	0.0186	1	69	35	46	190	2	23	0	212	0.	0185	0.9238	0.6169	0.5983
8	2015-02	-2015-05	298	52	231	15	0.1745	0.7752	0.0503	58	0.1946	2	0.0081	1	78	38	49	172	0	4	0	181	0.	0000	0.9494	0.7572	0.7612
9	2015-05	- 2015 - 08	256	54	186	16	0.2109	0.7266	0.0625	36	0.1406	1	0.0050	1	60	32	34	160	0	2	0	167	0.	0060	0.9229	0.7798	0.8036
10		- 2015 - 11	244	44	187	13	0.1803	0.7664	0.0533	45	0.1844	5	0.0250	1	53	27	34	124	0	4	0	134		0074	0.9263	0.7480	0.7164
11		- 2016 - 02		43	274	19	0.1280	0.8155	0.0565	58	0.1726	6	0.0205	1	62	33	35	173	0	2	0	183	0.	0161	0.9391	0.5690	0.5558
_12	2016-02	- 2016 - 05	237	37	185	15	0.1561	0.7806	0.0633	52	0.2194	3	0.0150	1	57	31	34	178	0	0	0	181	0.	0000	0.9078	0.8831	0.8966
	core.global.turnover	core.mail.turnover	core.code.turnover		ratio.smelly.quitters	rotio emoller dore	Tatio.SHIELLY.GEVS	giobal.truck	mail.truck	code.truck	closeness.centr		Detweenness.centr	degree.centr	global mod	S10081:111001	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	00000 core.global.turnover	00000.0 core.mail.	0.0000 Core.code.	0.0	$\frac{0000}{\text{ratio.}}$	0.214	$\frac{1}{1}$ 0.798	7 0.54	ਜ਼ਿਲ ਜ਼ਿਲ 34 0.87	$\frac{1}{39}$	closeness.	0.026	5 0.070	9	0.5890	0 0	ган Н 5418.	0.57	786	0.006	60	only.	code.only.core.devs	0 ml.code.core.devs	0.5312 ratio.mail.only.	ratio.code.only.	0.1562
	$0.0000 \\ 0.7857$	0.0000 core.mail:	0.0000 0.8163	0.0	ratio.	0.214 0.176	1 0.798 7 0.815	7 0.54 8 0.48	ਤੋਂ ਬ 34 0.87 44 0.91	39 40	0.0023 0.0023	0.026 0.033	5 0.070 7 0.085	9 52	σ lobal	0 0 6 0	.5418 .5249	0.36	786 575	0.006	60 54	mail.only.	20 17	ml.code.core.	ratio.mail.only.	0.3125 0.3400	0.1562 0.0400
$\frac{}{2}$	0.0000	0.0000 0.8571 0.8197	0.0000 0.8163 0.4286	0.0	ight 0000 1256 1419	0.214 0.176 0.319	1 0.798 7 0.815 7 0.846	7 0.54 8 0.48 4 0.67	语 34 0.87 44 0.91 82 0.85	39 40 49	0.0023 0.0023	0.026	5 0.070 7 0.085 2 0.133	9 52 55	0.589 0.460 0.445	0 0.6 0.8 0.9	.5418 .5249 .1030	$0.36 \\ 0.33$	786 675 891	0.006 0.005 0.011	60 54 12	% Mail.online 34 31 20	20	01 ml.code.core.	vino:lismolioni 0.5312 0.6200 0.3509	0.3125 0.3400 0.5088	0.1562 0.0400 0.1404
	$0.0000 \\ 0.7857$	0.0000 0.8571 0.8197 0.6032	0.0000 0.8163	0.0 0.1 0.1 0.2	0000 1256 1419 2265	0.214 0.176	1 0.798 7 0.815 7 0.846 3 0.772	77 0.544 8 0.484 4 0.673 2 0.500	54 0.87 44 0.91 82 0.85 00 0.82	90 39 40 49 20	0.0023 0.0023 0.0027	0.026 0.033	5 0.070 7 0.085 2 0.133	9 52 55 66	0.589 0.460 0.445 0.629	0 0. 6 0. 8 0. 8 0.	.5418 .5249 .1030 .4053	0.36	786 675 891	0.006	60 54 12	. Skino.liem 34 31	20 17	ml.code.core.	0.5312 0.6200	0.3125 0.3400 0.5088 0.5455	0.1562 0.0400
	0.0000 0.7857 0.6531	0.0000 0.8571 0.8197 0.6032 0.7059	0.0000 0.8163 0.4286 0.4048 0.6667	0.0 0.1 0.1 0.2 0.2	0000 1256 1419 2265 2704	0.214 0.176 0.319 0.351 0.361	1 0.798 7 0.815 7 0.846 3 0.772 2 0.789	7 0.54 8 0.48 4 0.67 2 0.50 3 0.59	54 0.87 44 0.91 82 0.85 00 0.82 26 0.83	900 39 40 49 20 05	0.0023 0.0023 0.0027 0.0028 0.0037	0.026 0.033 0.064	5 0.070 7 0.085 2 0.113	9 52 55 66	0.589 0.460 0.445	0 0 6 0 8 0 8 0	.5418 .5249 .1030 .4053 .5056	0.36 0.33 0.60 0.46	786 875 891 905	0.006 0.005 0.011 0.006 0.010	60 54 12 68 03	% Mail.online 34 31 20	20 17 29	8 ml.code.core.	vino:lismolioni 0.5312 0.6200 0.3509	0.3125 0.3400 0.5088 0.5455 0.5217	0.1562 0.0400 0.1404
	0.0000 0.7857 0.6531 0.4298	0.0000 0.8571 0.8197 0.6032	0.0000 0.8163 0.4286 0.4048	0.0 0.1 0.1 0.2 0.2 0.2	0000 1256 1419 2265 2704 2783	0.214 0.176 0.319 0.351	1 0.798 7 0.815 7 0.846 3 0.772 2 0.789 5 0.749	7 0.54 8 0.48 4 0.67 2 0.50 3 0.59 1 0.47	34 0.87 44 0.91 82 0.85 00 0.82 26 0.83 83 0.84	900 39 40 49 20 05 21	0.0023 0.0023 0.0027 0.0028 0.0037	0.026 0.033 0.064 0.063	5 0.070 7 0.085 2 0.133 0 0.110 8 0.137	9 52 55 66 74	0.589 0.460 0.445 0.629	0 0 6 0 8 0 8 0	.5418 .5249 .1030 .4053	0.36 0.33 0.60 0.46 0.43	786 675 891 005 690	0.006 0.005 0.011 0.006 0.010 0.008	50 54 12 58 03 88	% in Signal	20 17 29 42	8 ml.code.core.	0.5312 0.6200 0.3509 0.3896	0.3125 0.3400 0.5088 0.5455 0.5217 0.3514	0.1562 0.0400 0.1404 0.0649
	0.0000 0.7857 0.6531 0.4298 0.7111 0.5606 0.6087	0.0000 0.8571 0.8197 0.6032 0.7059 0.4938 0.8434	0.0000 0.8163 0.4286 0.4048 0.6667 0.6849 0.4304	0.0 0.1 0.1 0.2 0.2 0.2 0.2 0.2	0000 1256 1419 2265 2704 2783 2097	0.214 0.176 0.319 0.351 0.361 0.305 0.378	1 0.798 7 0.815 7 0.846 3 0.772 2 0.789 5 0.749 0 0.789	7 0.54 8 0.48 4 0.67 2 0.50 3 0.59 1 0.47 6 0.58	64 0.87 44 0.91 82 0.85 00 0.82 26 0.83 83 0.84 82 0.82	90 39 40 49 20 05 21 90	0.0023 0.0023 0.0023 0.0027 0.0028 0.0037 0.0036 0.0031	0.026 0.033 0.064 0.063 0.124 0.082 0.084	5 0.070 7 0.085 2 0.133 0 0.110 8 0.137 5 0.119 4 0.143	9 52 55 66 74 90 88	0.5890 0.4600 0.4450 0.6290 0.4770 0.4460 0.452	0 0 6 0 8 0 8 0 8 0 7 0	.5418 .5249 .1030 .4053 .5056 .5854 .4146	0.36 0.33 0.60 0.46 0.43 0.42	786 675 891 905 690 877	0.006 0.005 0.011 0.006 0.010 0.008	50 54 12 68 03 88	34 31 20 30 29 41 29	20 17 29 42 36 26 40	8 ml.code.core.	0.5312 0.6200 0.3509 0.3896 0.4203 0.5541 0.3867	0.3125 0.3400 0.5088 0.5455 0.5217 0.3514 0.5333	0.1562 0.0400 0.1404 0.0649 0.0580 0.0946 0.0800
	0.0000 0.7857 0.6531 0.4298 0.7111 0.5606 0.6087 0.5714	0.0000 0.8571 0.8197 0.6032 0.7059 0.4938 0.8434 0.7123	0.0000 0.8163 0.4286 0.4048 0.6667 0.6849 0.4304 0.5474	0.0 0.1 0.1 0.2 0.2 0.2 0.2 0.2	0000 1256 1419 2265 2704 2783 2097 2996	0.214 0.176 0.319 0.351 0.361 0.305 0.378	1 0.798 7 0.815 7 0.846 3 0.772 2 0.789 5 0.749 0 0.789 8 0.738	7 0.54 8 0.48 4 0.67 2 0.50 3 0.59 1 0.47 6 0.58 3 0.43	34 0.87 44 0.91 82 0.85 00 0.82 26 0.83 83 0.84 82 0.82 28 0.80	90 39 40 49 20 05 21 90 08	0.0023 0.0023 0.0023 0.0027 0.0028 0.0037 0.0036 0.0031 0.0032	0.026 0.033 0.064 0.063 0.124 0.082 0.084 0.107	5 0.070 7 0.085 2 0.133 0 0.110 8 0.137 5 0.119 4 0.143 3 0.100	9 52 55 66 74 90 88	0.5890 0.4600 0.4452 0.4460 0.4452 0.452	0 0.66 0.88 0.88 0.7 0.99 0.00	.5418 .5249 .1030 .4053 .5056 .5854 .4146 .7167	0.36 0.33 0.60 0.46 0.43 0.42	786 675 891 905 690 877 233	0.006 0.005 0.011 0.006 0.016 0.008 0.009	50 54 12 58 03 88 91 58	34 31 20 30 29 41 29 31	20 17 29 42 36 26 40 42	8 ml.code.core.	0.5312 0.6200 0.3509 0.3896 0.4203 0.5541 0.3867 0.3875	0.3125 0.3400 0.5088 0.5455 0.5217 0.3514 0.5333 0.5250	0.1562 0.0400 0.1404 0.0649 0.0580 0.0946 0.0800 0.0875
3 4 5 6 7	0.0000 0.7857 0.6531 0.4298 0.7111 0.5606 0.6087 0.5714 0.7971	0.0000 0.8571 0.8197 0.6032 0.7059 0.4938 0.8434 0.7123 0.8000	0.0000 0.8163 0.4286 0.4048 0.6667 0.6849 0.4304 0.5474 0.8675	0.0 0.1 0.1 0.2 0.2 0.2 0.2 0.2 0.2 0.2	0000 1256 1419 2265 2704 2783 2097 2996 2870	0.214 0.176 0.319 0.351 0.361 0.305 0.378 0.375 0.335	1 0.798 7 0.815 7 0.846 3 0.772 2 0.789 5 0.749 0 0.789 8 0.738 9 0.765	7 0.544 8 0.488 4 0.673 2 0.500 3 0.593 1 0.473 6 0.583 3 0.433 6 0.543	34 0.87 44 0.91 82 0.85 00 0.82 26 0.83 83 0.84 82 0.80 28 0.80 29 0.83	39 40 49 20 05 21 90 08 17	0.0023 0.0023 0.0027 0.0028 0.0037 0.0036 0.0031 0.0032 0.0039	0.026 0.033 0.064 0.063 0.124 0.082 0.084 0.107 0.080	5 0.070 7 0.085 2 0.110 8 0.110 8 0.143 3 0.100 1 0.108	9 52 55 66 74 90 88 99	0.5890 0.4600 0.4450 0.6290 0.4470 0.4460 0.452 0.6090 0.5210	66 0.88 0.88 0.88 0.77 0.66 0.66 0.66	.5418 .5249 .1030 .4053 .5056 .5854 .4146 .7167 .5412	0.36 0.33 0.60 0.46 0.43 0.42 0.59	786 675 891 905 690 877 233 922	0.006 0.005 0.011 0.006 0.016 0.008 0.006 0.006	50 54 12 58 03 88 91 58	34 31 20 30 29 41 29 31 28	20 17 29 42 36 26 40 42 30	8 ml.code.core.	0.5312 0.6200 0.3509 0.3896 0.4203 0.5541 0.3867 0.3875 0.4516	0.3125 0.3400 0.5088 0.5455 0.5217 0.3514 0.5333 0.5250 0.4839	0.1562 0.0400 0.1404 0.0649 0.0580 0.0946 0.0800 0.0875 0.0645
3 4 5 6 7 8 9	0.0000 0.7857 0.6531 0.4298 0.7111 0.5606 0.6087 0.5714 0.7971 0.8319	0.0000 0.8571 0.8197 0.6032 0.7059 0.4938 0.8434 0.7123 0.8000 0.8814	0.0000 0.8163 0.4286 0.4048 0.6667 0.6849 0.4304 0.5474 0.8675 0.7647	0.0 0.1 0.1 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2	0000 1256 1419 2265 2704 2783 2097 2996 2870 2727	0.214 0.176 0.319 0.351 0.361 0.305 0.375 0.335 0.319	1 0.798 7 0.815 7 0.846 3 0.772 2 0.789 5 0.749 0 0.789 8 0.738 9 0.765 7 0.782	7 0.544 8 0.48 4 0.676 2 0.500 3 0.599 1 0.476 6 0.586 3 0.433 6 0.544 8 0.520	34 0.87 44 0.91 82 0.85 00 0.82 26 0.83 33 0.84 82 0.82 28 0.80 29 0.83 33 0.83 0.83 0.83	φου 39 40 49 20 05 21 90 08 17	0.0023 0.0023 0.0027 0.0028 0.0037 0.0036 0.0031 0.0032 0.0039 0.0033	0.026 0.033 0.064 0.063 0.124 0.082 0.084 0.107 0.080 0.063	5 0.070 7 0.085 2 0.133 0 0.110 8 0.137 5 0.119 4 0.143 3 0.100 1 0.108 3 0.104	99 62 65 66 74 90 68 99 62	0.5890 0.4600 0.4450 0.6290 0.4460 0.4520 0.6090 0.5210 0.5310	0 0 6 0 8 0 8 0 8 0 8 0 9 0 6 0 9 0	.5418 .5249 .1030 .4053 .5056 .5854 .4146 .7167 .5412 .3966	0.36 0.33 0.60 0.46 0.43 0.42 0.59 0.51	786 675 891 005 690 877 233 022 .24	0.006 0.005 0.011 0.006 0.016 0.008 0.009 0.006 0.009	50 54 12 58 03 88 91 58 95	34 31 20 30 29 41 29 31 28 20	20 17 29 42 36 26 40 42 30 27	10 2 8 5 4 7 6 7	0.5312 0.6200 0.3509 0.3896 0.4203 0.5541 0.3867 0.4516 0.3704	0.3125 0.3400 0.5088 0.5455 0.5217 0.3514 0.5333 0.5250 0.4839 0.5000	0.1562 0.0400 0.1404 0.0649 0.0580 0.0946 0.0800 0.0875 0.0645 0.1296
3 4 5 6 7 8 9	0.0000 0.7857 0.6531 0.4298 0.7111 0.5606 0.6087 0.5714 0.7971	0.0000 0.8571 0.8197 0.6032 0.7059 0.4938 0.8434 0.7123 0.8000	0.0000 0.8163 0.4286 0.4048 0.6667 0.6849 0.4304 0.5474 0.8675	0.0 0.1 0.1 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2	0000 1256 1419 2265 2704 2783 2097 2996 2870	0.214 0.176 0.319 0.351 0.361 0.305 0.378 0.375 0.335	1 0.798 7 0.815 7 0.846 3 0.772 2 0.789 5 0.749 0 0.789 8 0.738 9 0.765 7 0.782 0 0.815	7 0.544 8 0.48- 4 0.673 2 0.500 3 0.593 1 0.473 6 0.583 3 0.433 6 0.543 8 0.520 5 0.46	34 0.87 44 0.91 82 0.85 00 0.82 26 0.83 83 0.84 82 0.80 29 0.83 33 0.83 77 0.88	φου 39 40 49 20 05 21 90 08 17 00 05	0.0023 0.0023 0.0027 0.0028 0.0037 0.0036 0.0031 0.0032 0.0039 0.0033 0.0020	0.026 0.033 0.064 0.063 0.124 0.082 0.084 0.107 0.080	5 0.070 7 0.085 2 0.133 0 0.110 8 0.137 5 0.119 4 0.143 3 0.100 1 0.108 3 0.104 0 0.081	9 52 55 66 74 90 58 99 52 41	0.5890 0.4600 0.4450 0.6290 0.4470 0.4460 0.452 0.6090 0.5210	0 0 6 0 8 0 8 0 8 0 7 0 9 0 6 0 3 0 8 0	.5418 .5249 .1030 .4053 .5056 .5854 .4146 .7167 .5412	0.36 0.33 0.60 0.46 0.43 0.42 0.59	786 575 391 005 590 377 233 022 24 423 354	0.006 0.005 0.011 0.006 0.016 0.008 0.006 0.006	50 54 12 58 03 88 91 58 95 70	34 31 20 30 29 41 29 31 28	20 17 29 42 36 26 40 42 30	8 ml.code.core.	0.5312 0.6200 0.3509 0.3896 0.4203 0.5541 0.3867 0.3875 0.4516	0.3125 0.3400 0.5088 0.5455 0.5217 0.3514 0.5333 0.5250 0.4839	0.1562 0.0400 0.1404 0.0649 0.0580 0.0946 0.0800 0.0875 0.0645

Community smells: Pearson's correlation (Rails)

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		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	*odio cilono	radio.snence black.cloud	missing.links	st.congruence	communicability	global.turnover	code.turnover
	org.silo	0.21	-0.11	0.30	-0.09	-0.24	0.26	-0.24	-0.37	-0.52	-0.22	-0.35	-	0.42	-0.22	0.73	-	0.31	0.03	} -	0.99	-0.23	-0.74	-0.10	0.00
-	a.donnas	0.35	0.13	0.28	0.50	-0.07	-0.04	0.34	-0.05	-0.27	0.14	0.06	-	0.24	0.01	0.36	0.31	-	0.57	7 -	0.37	0.06	-0.18	-0.30	-0.35
	io.silence	0.48	0.37	0.32	0.67	0.11	-0.23	0.47	-0.06	-0.36	0.49	0.43	-	-0.09	-0.10	0.26	0.03	0.57			0.14	0.56	0.05	-0.71	-0.69
	ack.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-
mis	$\frac{\sin g. \lim ks}{\sin g}$	0.28	-0.02	0.33	0.02	-0.17	0.18	-0.15	-0.39	-0.59	-0.17	-0.30	-	0.43	-0.18	0.75	0.99	0.37	0.14	1 -		-0.13	-0.72	-0.20	-0.09
			core.global.turnover			core.code.turnover ratio emelly quitters	racio.smelly.devs	global.truck	mail.truck	code.truck	closeness.centr	betweenness.centr	degree.centr		•	_		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	-0.17					0.06	-0.68	0.47	0.59	0.59							0.78	-0.11	-0.68	0.79	-0.24	
	-	donnas	-0.12	0.27					0.28	-0.16	0.05	0.18	0.50							0.36	0.02	-0.22	0.26	-0.09	
		silence	-0.25	0.17	-0.63	3 -0.43	2 0.17	0.47	0.67	0.01	-0.13	0.11	0.61	-0.21	-0.70	6 -0.4	$\frac{1}{2}$ 0.	.46 -	0.20	0.19	0.27	-0.31	0.20	0.25	
	blacl	k.cloud	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	_ -		_	_	-	-	
	missin	g.links	-0.34	-0.19	-0.48	8 0.39	9 0.84	-0.23	0.15	-0.68	0.46	0.61	0.66	-0.19	0.09	9 -0.0	03 0.	.56 -	0.18	0.78	-0.03	-0.69	0.77	-0.16	

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

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	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	0.50	0.72	0.34	0.79	0.45	0.41	0.46	0.24	0.08	0.49	0.26	-	0.18	0.48	0.0	1	- 0	.32 0	.91	-	0.00	0.47	0.01	0.76	1.0
prima.donnas	0.27	0.70	0.38	0.10	0.82	0.90	0.28	0.88	0.40	0.67	0.85	-	0.45	0.97	0.2	5 0.3	32	- 0	.05	-	0.23	0.85	0.57	0.37	0.3
radio.silence	0.11	0.23	0.31	0.02	0.73	0.47	0.12	0.86	0.24	0.11	0.16	-	0.78	0.77	0.43	2 0.9	91 0	.05	-	-	0.67	0.06	0.87	0.01	0.0
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	
missing.links	0.37	0.96	0.29	0.94	0.60	0.57	0.64	0.21	0.04	0.59	0.34	-	0.16	0.58	0.0	0.0	00 0	.23 0	.67	-		0.68	0.01	0.55	0.7
		core.global.turnover	core.mail.turnover	core.code.turnover	ratio.smelly.quitters	${\rm ratio.smelly.devs}$	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	.000.0my.core.	ml.code.core.devs	ratio.mail.only.core	ratio.code.only.core	ratio.ml.code.core	
	org.silo	0.35	0.61	0.20	0.23	0.00	0.39	0.85	0.02	0.12	0.04	0.				0.98	0.09	0.53	0.00).73	0.02	0.00	0.46	
prima.c		0.72	0.42	0.23	0.78	0.31	0.89	0.37	0.61	0.88	0.57	0.				0.57	0.54	0.99	0.24		0.94	0.49	0.41	0.78	
	silence	0.46	0.62	0.04	0.20	0.60	0.13	0.02	0.99	0.68	0.73	0.0	03 0	.51 0	.00	0.17	0.13	0.53	0.55	5 (0.40	0.33	0.52	0.43	
	cloud	- 0.20	0.57	0.14	0.24	0.00	0.47	0.64	0.02	- 0.12	0.02	0.4	- 00 0	- 0	- 70	- 0.02	0.06	- 0.57	0.00	- n (-	0.01	- 0.00	- 0.61	
	g.links	0.30	0.57	0.14	0.24	0.00	0.47	0.64	0.02	0.13	0.03	0.	02 0	.56 0	.79	0.93	0.06	0.57	0.00	υ <u>(</u>).94	0.01	0.00	0.61	

					(Comr	nunit	y sm	ells:	Spea	arma	\mathbf{n} 's	cor	relat	ion	(Ra	ils)							
	devs	ml.only.devs	${ m code.only.devs}$	m 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	;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;		missing.links	st.congruence	communicability	global.turnover	code.turnover
org.silo	0.24	-0.18	0.31	-0.12	-0.29	0.34	-0.18	-0.14	-0.27	-0.24	-0.39	-	0.35	-0.07	0.65	-	0.00			0.98	-0.17	-0.64	0.05	0.22
prima.donnas	0.39	0.13	0.31	0.44	-0.04	-0.04	0.39	-0.09	-0.31	0.18	0.04	-	0.26	0.18	0.31	0.39		0.40) -	0.39	0.31	-0.22	-0.30	-0.30
radio.silence	0.45	0.46	0.33	0.62	0.18	-0.30	0.49	0.09	-0.19	0.60	0.60	-	0.12	0.25	0.19	-0.35	0.40			-0.28	0.51	0.35	-0.68	-0.64
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-
missing.links	0.37	-0.12	0.41	-0.03	-0.26	0.31	-0.18	-0.15	-0.38	-0.18	-0.35	-	0.31	-0.07	0.69	0.98	0.39	-0.28	3 -	-	-0.05	-0.54	-0.11	0.04
		core. global. turn over	(core.man.turnov	core.code.r	ratio emollard	racio sineny global truck						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								-0.47	0.31	0.50	0.4							0.73	-0.30	-0.34	0.55	-0.33	
prima.	donnas	-0.10	0.30	0 -0.30	0 -0.2	0 - 0.4	8 0.13	0.31	-0.31	-0.04	0.31	0.4	8 -0	.22 -0).22 -	0.22	0.22	0.00	0.31	0.04	-0.31	0.39	-0.04	

0.17

 $0.23 \quad 0.55$

0.47 - 0.06

0.44 - 0.20

-0.65

-0.13

0.18 -0.13 0.39

0.16

0.20

0.01

-0.31 0.72 -0.22

0.40 -0.32 0.30

 $-0.40 \quad 0.54$

0.26

-0.26

radio.silence

black.cloud missing.links -0.39

-0.16 -0.23

0.11

-0.49

-0.37

-0.25

0.05

-0.04

0.30

0.73 -0.12 0.07 -0.38

0.41

-0.06 -0.28

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

				COIL	ши	ii oy		.10.	Pca	iiiai	1 5 0	011	Ciat	1011	Р	varc	ics ((100	1115	,					
	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.sile	0.44	0.57	0.33	0.72	0.37	0.28	0.57	0.66	0.39	0.44	0.21	-	0.27	0.84	0.0	2	- 0	.21 (0.26	-	0.00	0.60	0.03	0.88	0.52
prima.donna		0.68	0.33	0.15	0.89	0.89	0.21	0.79	0.33	0.58	0.89	-	0.41	0.58					0.20	_	0.20	0.33	0.50	0.37	0.37
radio.silence	0.14	0.13	0.30	0.03	0.58	0.34	0.11	0.78	0.55	0.04	0.04	-	0.70	0.44	0.5	6 0.3	26 0	.20	-	-	0.38	0.09	0.26	0.02	0.03
black.cloud	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
missing.link	0.23	0.72	0.19	0.93	0.42	0.33	0.59	0.65	0.22	0.57	0.27	-	0.32	0.82	0.0	1 0.	00 0	.20 (0.38	-	-	0.87	0.07	0.74	0.90
		${\rm core. global. turnover}$	core.mail.turnover	core.code.turnover	${\rm ratio.smelly.quitters}$	${\rm ratio.smelly.devs}$	global.truck	mail.truck	code.truck	closeness.centr	betweenness.centr		degree.centr	global.mod	mail.mod	code.mod	density	mail.onlv.core.devs		code.only.core.devs	ml.code.core.devs	ratio.mail.only.core	ratio.code.only.core	ratio.ml.code.core	
	org.silo	0.67	0.47	0.32	0.86	0.00	0.46	1.00	0.13	0.33	0.10	0.).48	0.83	0.23	0.38			0.34	0.29	0.07	0.30	
-	.donnas		0.37	0.37	0.56	0.11	0.68	0.33	0.33	0.89	0.33	0.			0.50	0.50	0.49	1.00			0.89	0.33	0.21	0.89	
	o.silence	0.24	0.75	0.12	0.45	0.91	0.34	0.18	0.85	0.38	0.60	0.	12 0	.86 (0.02	0.69	0.61	0.53	0.9	97	0.19	0.31	0.34	0.41	
	ck.cloud	- 0.00	- 0.50	- 0.00	-	- 0.01	0.71	- 0.00	- 0.00	0.40	- 0.00	Ō	- 15 A	-	-	- 0.00	0.01	0.00	-	-	- 0.50	- 0.00	- 0.0 7	- 0.41	
miss	ng.links	0.63	0.50	0.26	0.89	0.01	0.71	0.82	0.23	0.48	0.06	0.	19 0	.54 (0.59	0.69	0.21	0.33	0.0)1	0.50	0.20	0.07	0.41	