

**Table 1** the statistics of experiment projects.

project name	number of prs	percentage of the prs containing issue report ids	median number of active reviewers for each pr
acemod/ace3	3625	0.211862	64
adobe/brackets	5275	0.375924	52
akka/akka	7500	0.312667	64
alphagov/govuk-puppet	4523	0.00818	70
angular/angular	10214	0.270315	189
ardupilot/ardupilot	5800	0.072586	90
aspnet/entityframework	4450	0.453483	48
aspnet/mvc	3423	0.371312	49
atom/atom	4025	0.340124	89
automattic/jetpack	6075	0.297778	103
azure/azure-content	8772	0.01653	376
cartodb/cartodb	6300	0.529365	43
cfpb/cfgov-refresh	4150	0.044819	39
chapel-lang/chapel	9149	0.09859	30
chef/chef	5474	0.12057	112
cisco/openh264	2475	0.017778	18
cms-sw/cmsdist	3850	0.052468	45
department-of-veterans-affairs/vets-website	7072	0.271635	77
diaspora/diaspora	3350	0.264478	88
dynamods/dynamo	6449	0.106838	32
eclipse/che	5424	0.530052	51
elastic/logstash	5100	0.221961	68
elgg/elgg	4375	0.336457	26
emberjs/data	3224	0.200682	187
emberjs/ember.js	7623	0.20425	219
emberjs/website	2975	0.078992	63
facebook/react-native	7325	0.190034	420
galaxyproject/galaxy	4550	0.206593	44
gocd/gocd	2885	0.115078	42
gradle/gradle	4100	0.26561	57
greenplum-db/gpdb	5375	0.048	109
grpc/grpc	9664	0.212748	88
hashicorp/terraform	8173	0.299033	269
hazelcast/hazelcast	8850	0.311977	49
ipython/ipython	5525	0.338824	92
jabref/jabref	2475	0.309091	21
jquery/jquery	2375	0.145263	66
jquery/jquery-mobile	2150	0.313023	69
ksp-ckan/netkan	5389	0.05771	50
learningequality/ka-lite	2650	0.386415	25
mamedev/mame	3699	0.004866	59
mantidproject/mantid	6550	0.645802	47
mapbox/mapbox-gl-native	6321	0.461478	59
meteor/meteor	2399	0.300542	105
microsoft/typescript	8498	0.522358	121
microsoft/vscode	4124	0.524491	62
microsoft/vsts-tasks	5650	0.033097	109
minetest/minetest	3950	0.215443	132
molgenis/molgenis	5200	0.045769	18
mozilla/addons-server	5900	0.382542	48
mozilla/fxa-content-server	3299	0.59806	29
nextcloud/server	6220	0.253537	96
openlayers/ol3	5525	0.211584	54
openra/openra	6211	0.333924	75
palantir/atlasdb	2675	0.131215	41
pingcap/tidb	6297	0.161505	40
rapid7/metasploit-framework	200	0.11	20
realm/realm-java	2598	0.251347	32
RIOT-OS/RIOT	8000	0.155375	70
SatelliteQE/robbottelo	4100	0.225122	23
scikit-learn/scikit-learn	6324	0.399905	102
scipy/scipy	4175	0.316407	67
SciTools/iris	2200	0.14	25
silverstripe/silverstripe-framework	5750	0.177913	80
spree/spree	5448	0.126652	100
vmware/vic	3750	0.4944	34
wordpress-mobile/WordPress-iOS	5496	0.594432	34
Yeast/wordpress-seo	3200	0.540625	27
youtube/vitess	3648	0.062226	29
zooinverse/Panoptes-Front-End	2625	0.398476	32
zurb.foundation-sites	3799	0.239273	92