

Table 1: Detailed Definition of the selected Measures and their Descriptive Statistics: Median, Mean, 5% and 95% values for continuous variables, number of Yes/No values (represented by 0 & 1 in the data, respectively) for binary variables (highlighted in yellow).

Underlying (Hypothesis)	Factors	Measure	Variable Description	5%	Median	Mean	95%
Pull Request Characteristics (H1)		additions	Number of lines added in the Pull Request	1	12	703	619
		deletions	Number of lines deleted in the Pull Request	0	2	385	248
		commits	Number of commits in the Pull Request	1	1	4	7
		changed_files	Number of files modified in the Pull Request	1	2	10	17
		contain_issue_fix	If the Pull Request contained a fix for an issue	<b>No (0): 267811 (57%), Yes (1): 203114 (43%)</b>			
		contain_test_code	If the Pull Request contained test code	<b>No (0): 360522 (77%), Yes (1): 110403 (23%)</b>			
Social connection between PR creator and the repository (H2)		user_accepted_repo	If the PR creator had a contribution accepted in the repository earlier	<b>No (0): 198087 (42%), Yes (1): 272838 (58%)</b>			
Track record of the PR creator (H3)		creator_submitted	Number of PRs submitted by the PR creator across NPM projects	0	12	282	1043
		creator_accepted	Fraction of PRs submitted by the PR creator accepted across NPM projects	0	0.64	0.53	1.00
Characteristics of the pull request review (H4)		comments	Number of discussion comments against the Pull Request	0	2	3	11
		review_comments	Number of code review comments against the Pull Request	0	0	1	6
		age	Seconds between PR creation and PR closure	231	100*1e3	651*1e3	2.5*1e6
PR creator experience (H5)		creator_total_commits	Total number of commits made by the PR creator across Git Projects	4	786	9847	12,386
		creator_total_projects	Total number of projects the PR creator contributed to across Git Projects	3	1632	6481	31,880
Repository characteristics (H6)		repo_submitted	Number of PRs submitted against the repository	9	787	4787	30,270
		repo_accepted	Fraction of the submitted PRs accepted by the repository	0.1	0.70	0.63	0.91
Dependency between PR creator's projects and the package (H7)		dependency	If any of the repositories the PR creator contributed to depend on the package	<b>No (0): 82215 (17%), Yes (1): 388710 (83%)</b>			