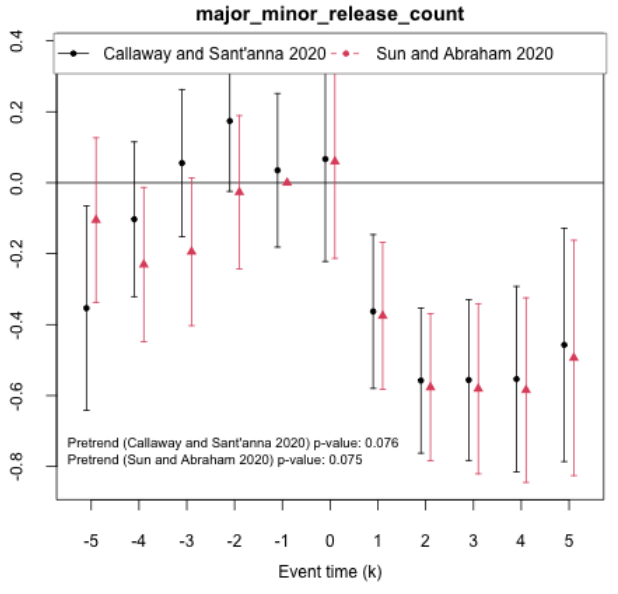
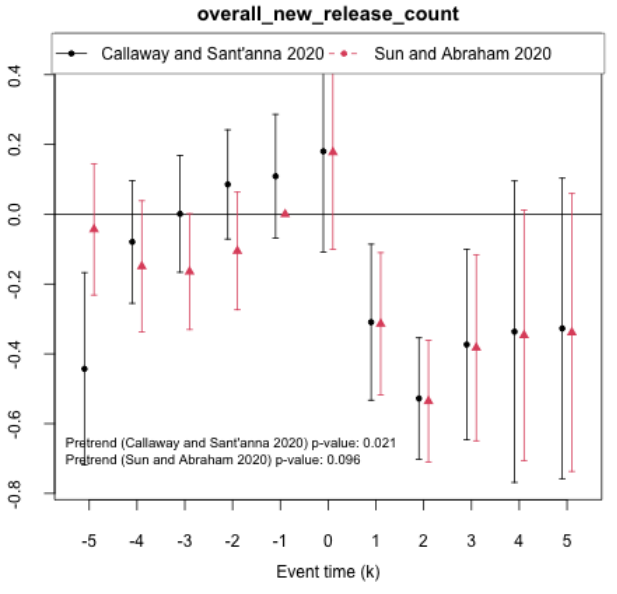
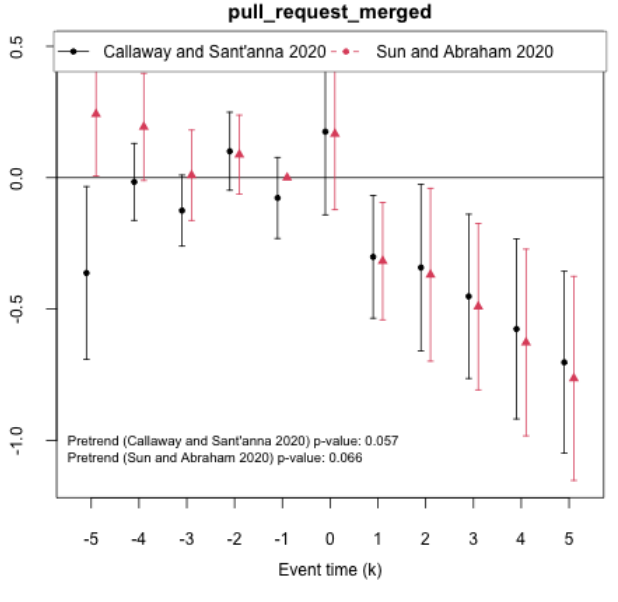
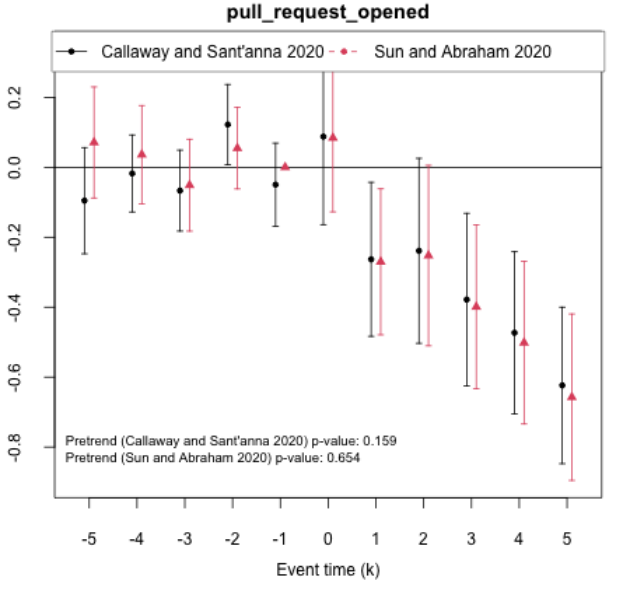
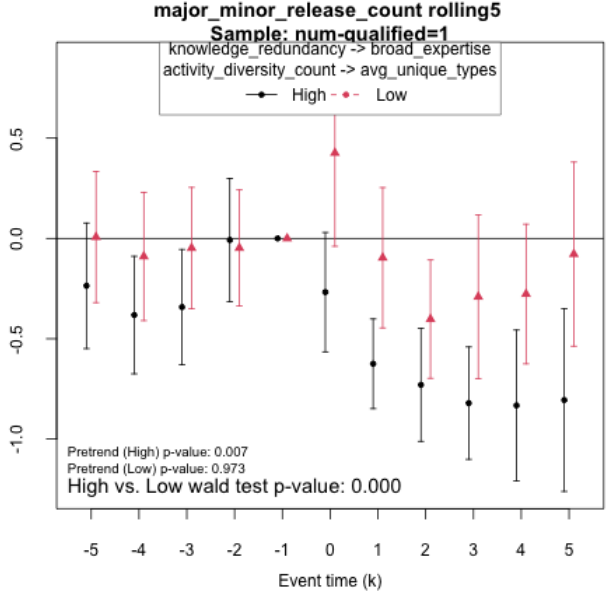
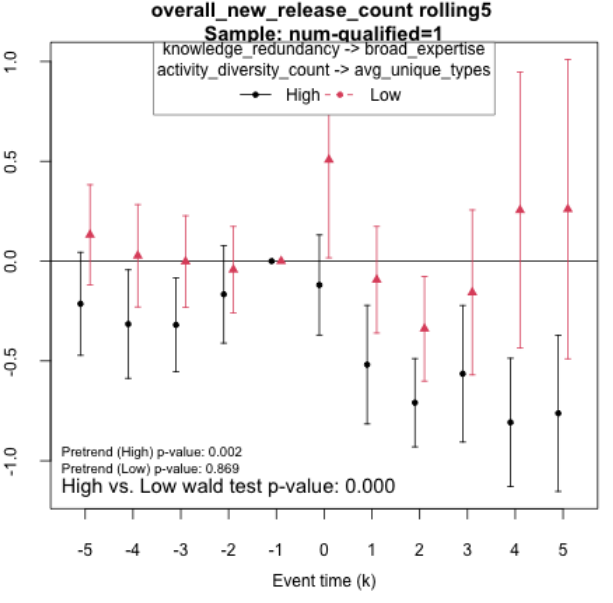

major_minor_release_count
Callaway and Sant'anna 2020
Sun and Abraham 2020
Pretrend (Callaway and Sant'anna 2020) p-value: 0.076
Pretrend (Sun and Abraham 2020) p-value: 0.075
Event time (k)

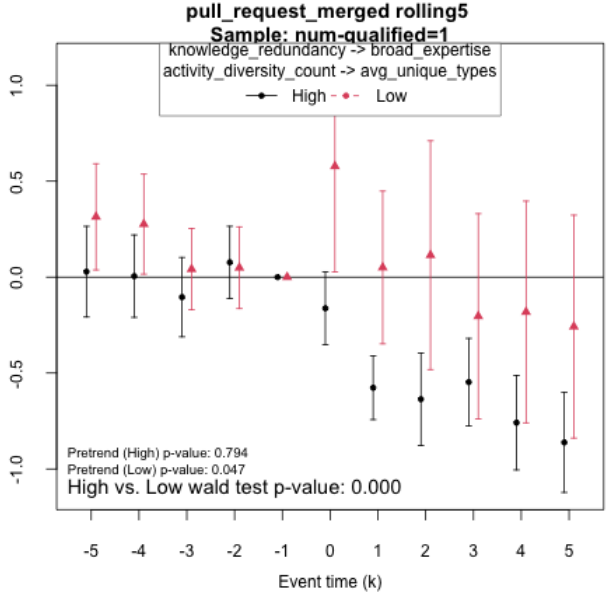

overall_new_release_count
Callaway and Sant'anna 2020
Sun and Abraham 2020
Pretrend (Callaway and Sant'anna 2020) p-value: 0.021
Pretrend (Sun and Abraham 2020) p-value: 0.096
Event time (k)

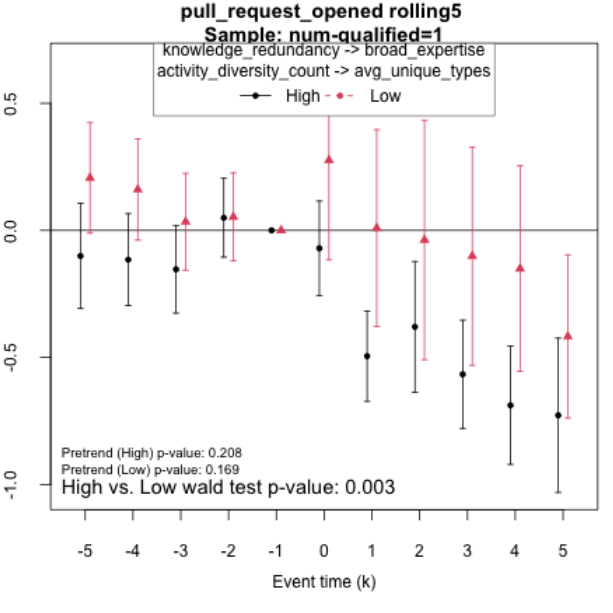

pull_request_merged
Callaway and Sant'anna 2020
Sun and Abraham 2020
Pretrend (Callaway and Sant'anna 2020) p-value: 0.057
Pretrend (Sun and Abraham 2020) p-value: 0.066
Event time (k)

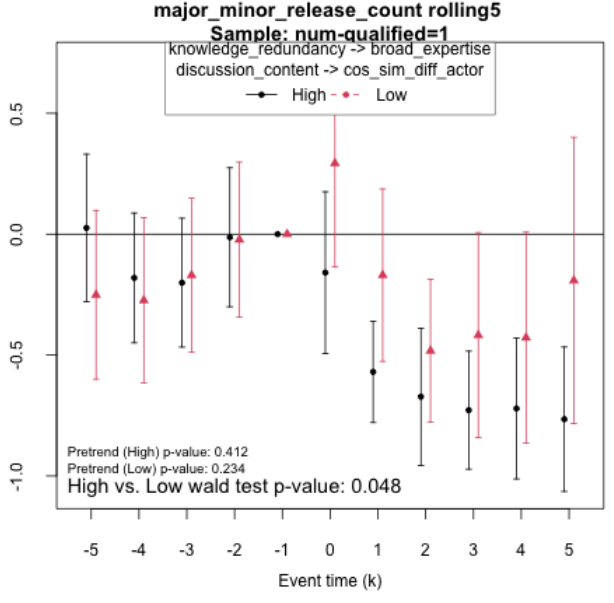

pull_request_opened
Callaway and Sant'anna 2020
Sun and Abraham 2020
Pretrend (Callaway and Sant'anna 2020) p-value: 0.159
Pretrend (Sun and Abraham 2020) p-value: 0.654
Event time (k)

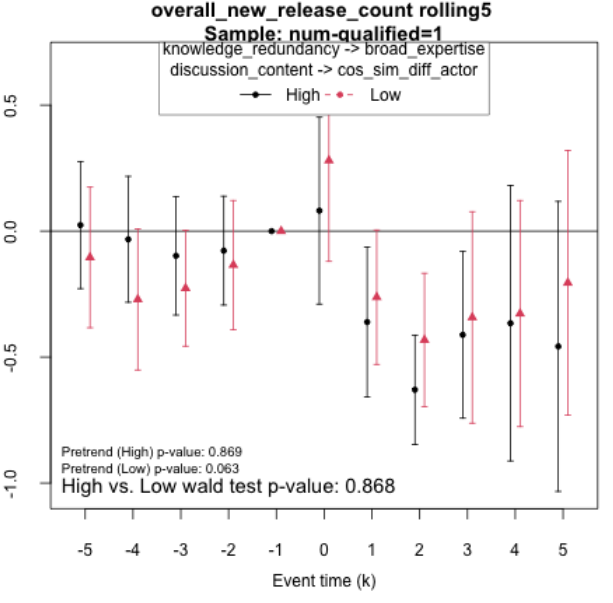

major_minor_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
activity_diversity_count -> avg_unique_types
High
Low
Pretrend (High) p-value: 0.007
Pretrend (Low) p-value: 0.973
High vs. Low wald test p-value: 0.000
Event time (k)

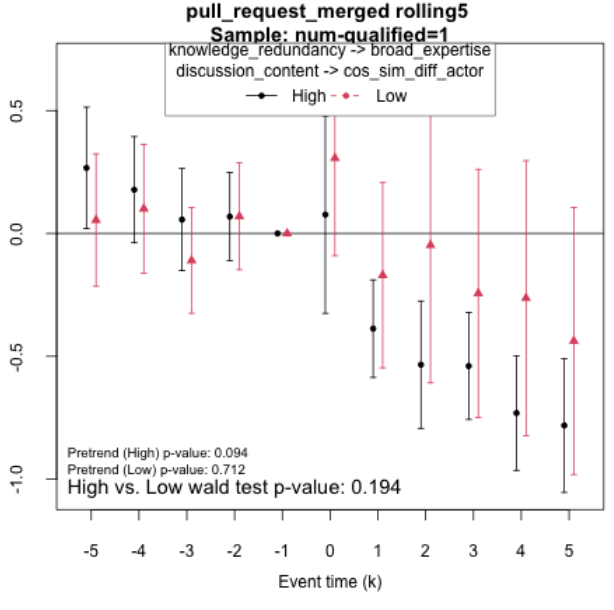

overall_new_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
activity_diversity_count -> avg_unique_types
High
Low
Pretrend (High) p-value: 0.002
Pretrend (Low) p-value: 0.869
High vs. Low wald test p-value: 0.000
Event time (k)

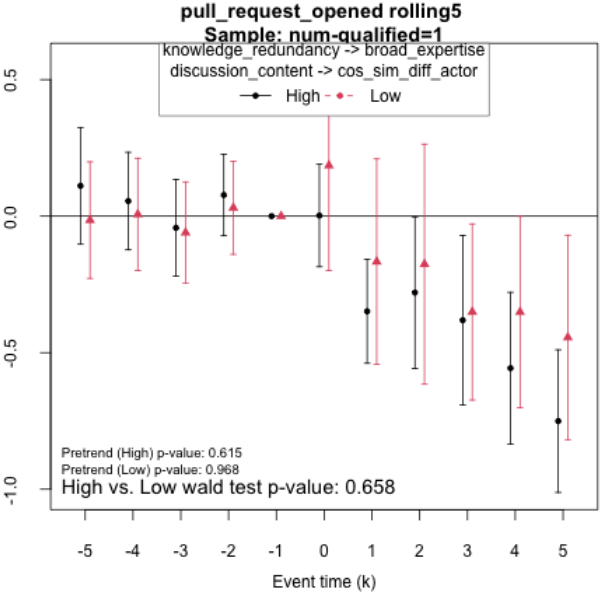

pull_request_merged rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
activity_diversity_count -> avg_unique_types
High
Low
Pretrend (High) p-value: 0.794
Pretrend (Low) p-value: 0.047
High vs. Low wald test p-value: 0.000
Event time (k)

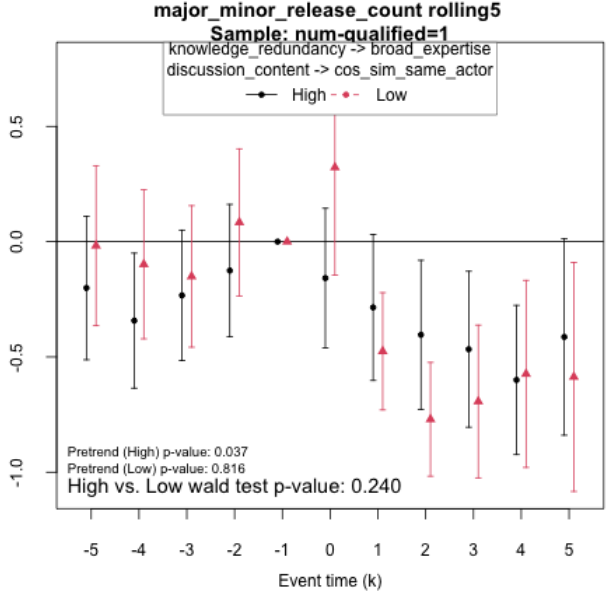

pull_request_opened rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
activity_diversity_count -> avg_unique_types
High
Low
Pretrend (High) p-value: 0.208
Pretrend (Low) p-value: 0.169
High vs. Low wald test p-value: 0.003
Event time (k)

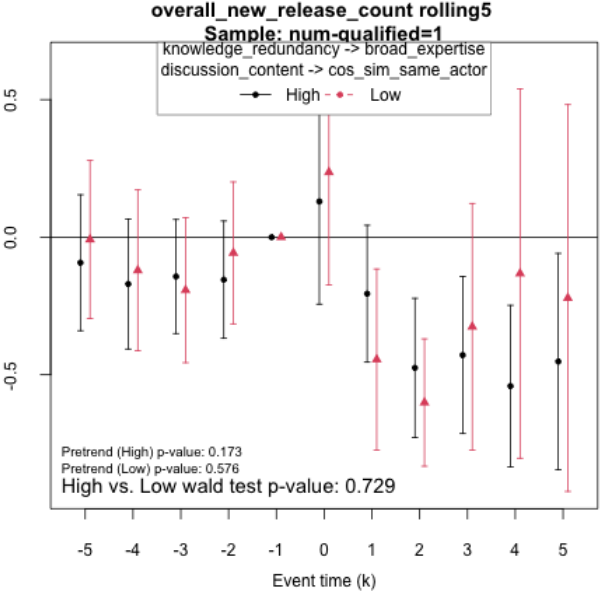

major_minor_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
discussion_content -> cos_sim_diff_actor
High
Low
Pretrend (High) p-value: 0.412
Pretrend (Low) p-value: 0.234
High vs. Low wald test p-value: 0.048
Event time (k)

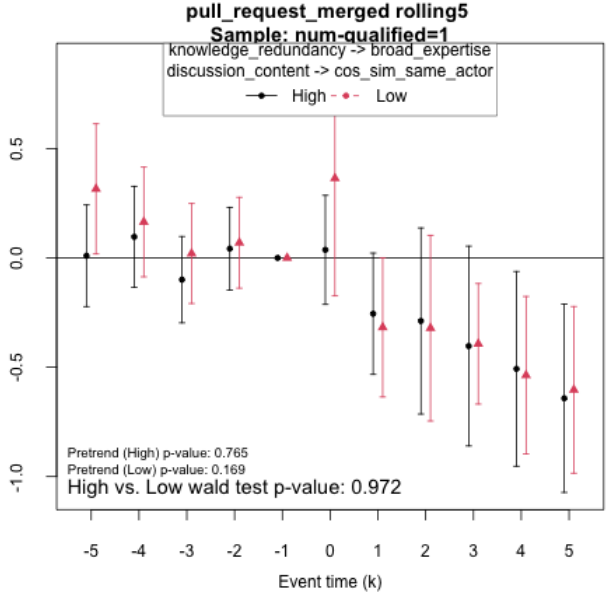

overall_new_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
discussion_content -> cos_sim_diff_actor
High
Low
Pretrend (High) p-value: 0.869
Pretrend (Low) p-value: 0.063
High vs. Low wald test p-value: 0.868
Event time (k)

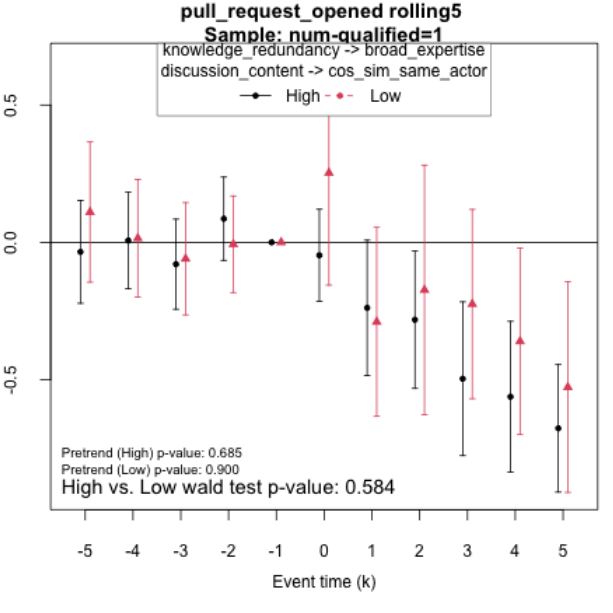

pull_request_merged rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
discussion_content -> cos_sim_diff_actor
High
Low
Pretrend (High) p-value: 0.094
Pretrend (Low) p-value: 0.712
High vs. Low wald test p-value: 0.194
Event time (k)

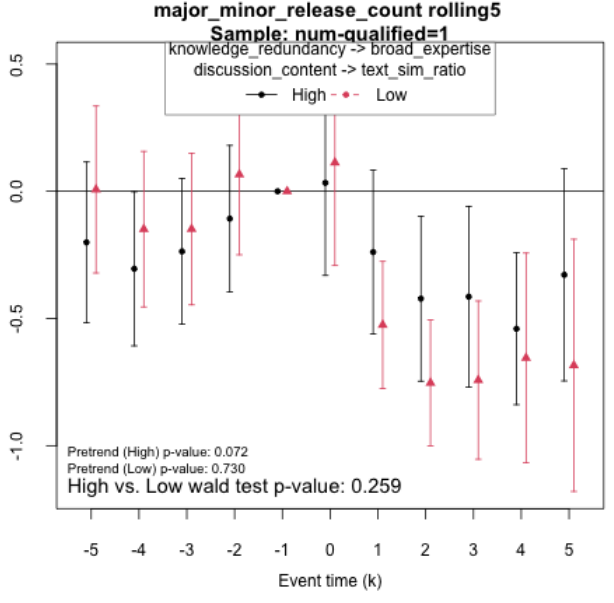

pull_request_opened rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
discussion_content -> cos_sim_diff_actor
High
Low
Pretrend (High) p-value: 0.615
Pretrend (Low) p-value: 0.968
High vs. Low wald test p-value: 0.658
Event time (k)

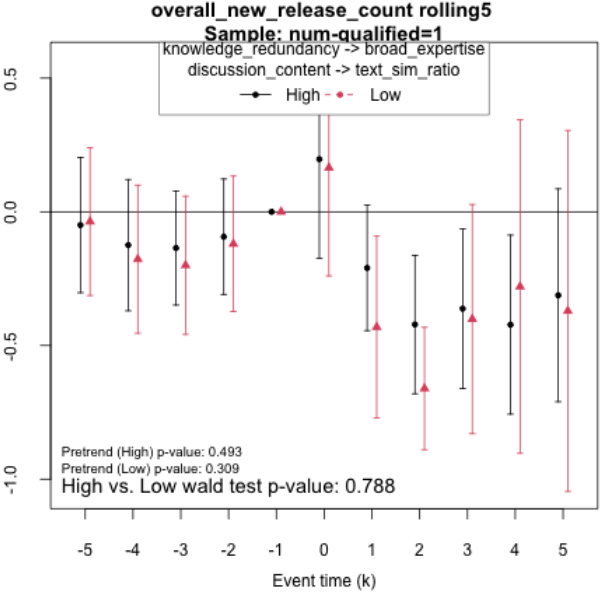

major_minor_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
discussion_content -> cos_sim_same_actor
High
Low
Pretrend (High) p-value: 0.037
Pretrend (Low) p-value: 0.816
High vs. Low wald test p-value: 0.240
Event time (k)

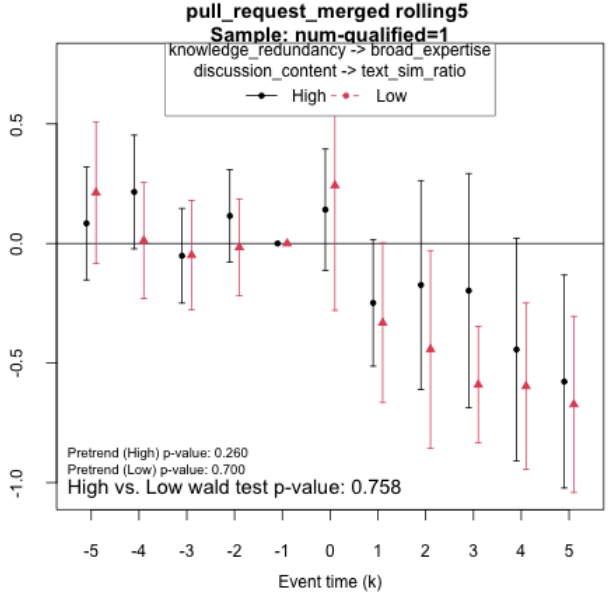

overall_new_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
discussion_content -> cos_sim_same_actor
High
Low
Pretrend (High) p-value: 0.173
Pretrend (Low) p-value: 0.576
High vs. Low wald test p-value: 0.729
Event time (k)

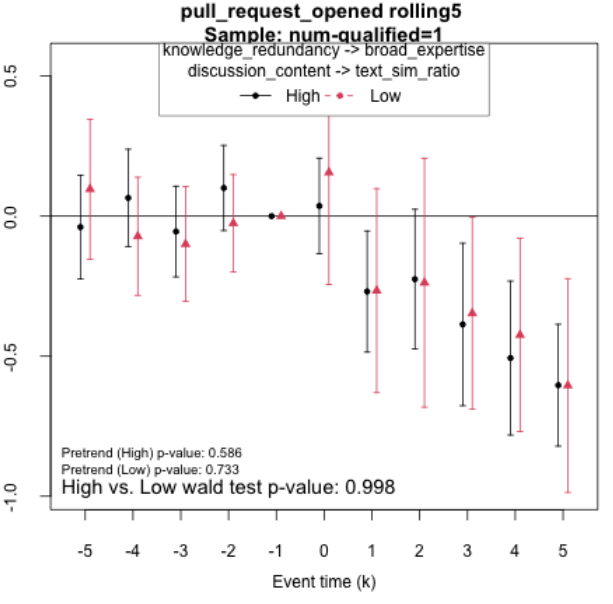

pull_request_merged rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
discussion_content -> cos_sim_same_actor
High
Low
Pretrend (High) p-value: 0.765
Pretrend (Low) p-value: 0.169
High vs. Low wald test p-value: 0.972
Event time (k)

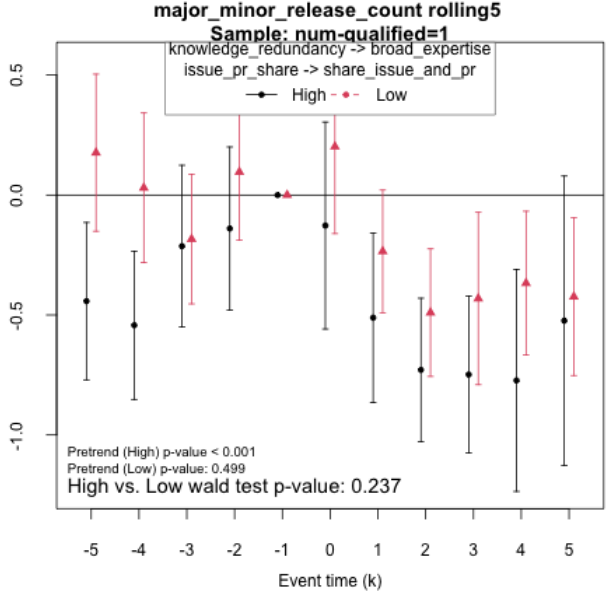

pull_request_opened rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
discussion_content -> cos_sim_same_actor
High
Low
Pretrend (High) p-value: 0.685
Pretrend (Low) p-value: 0.900
High vs. Low wald test p-value: 0.584
Event time (k)

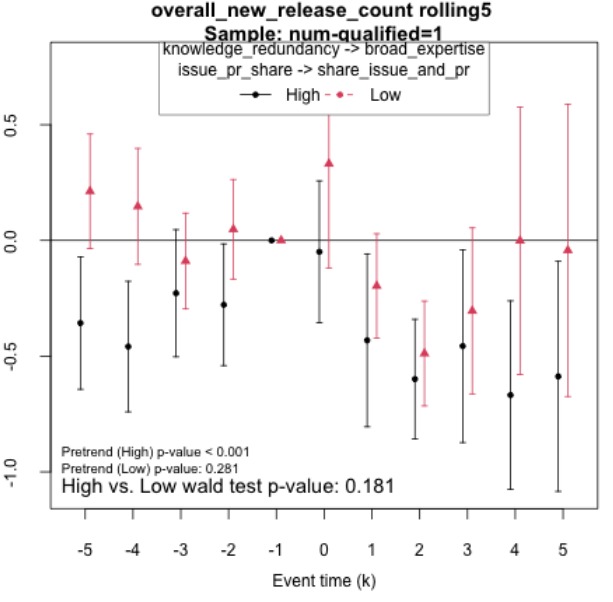

major_minor_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
discussion_content -> text_sim_ratio
High
Low
Pretrend (High) p-value: 0.072
Pretrend (Low) p-value: 0.730
High vs. Low wald test p-value: 0.259
Event time (k)

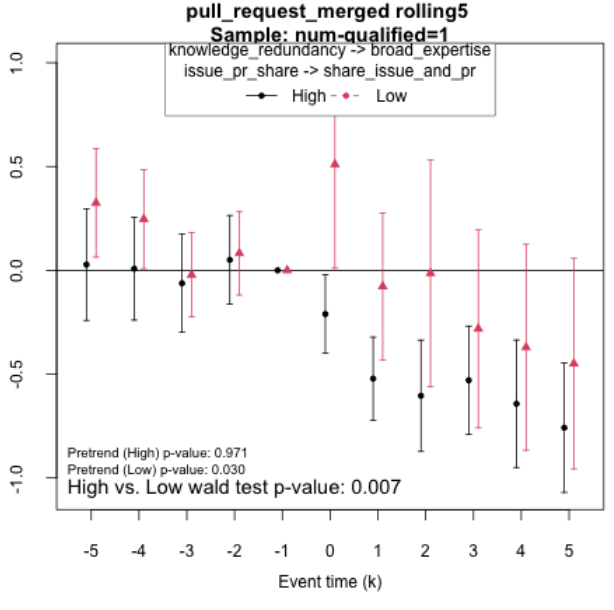

overall_new_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
discussion_content -> text_sim_ratio
High
Low
Pretrend (High) p-value: 0.493
Pretrend (Low) p-value: 0.309
High vs. Low wald test p-value: 0.788
Event time (k)

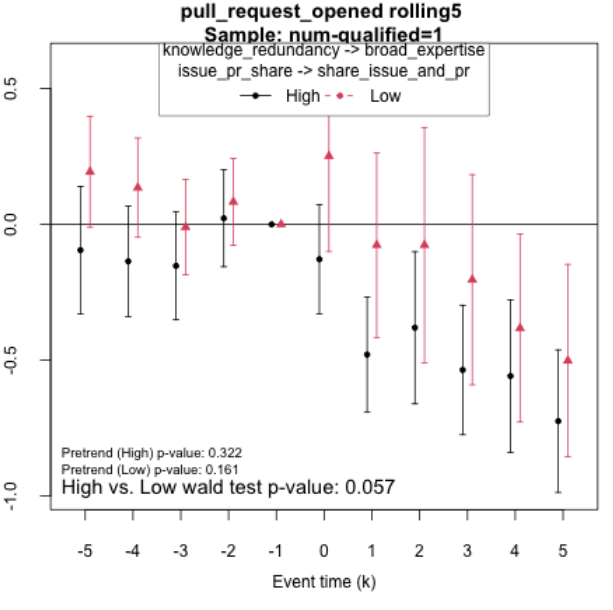

pull_request_merged rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
discussion_content -> text_sim_ratio
High
Low
Pretrend (High) p-value: 0.260
Pretrend (Low) p-value: 0.700
High vs. Low wald test p-value: 0.758
Event time (k)

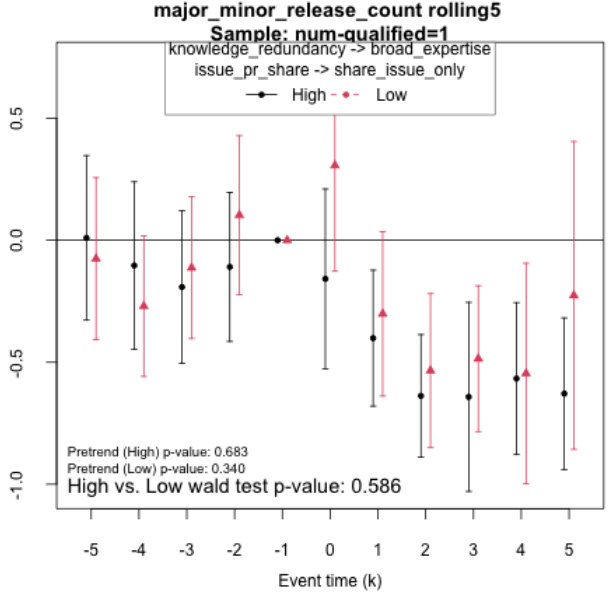

pull_request_opened rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
discussion_content -> text_sim_ratio
High
Low
Pretrend (High) p-value: 0.586
Pretrend (Low) p-value: 0.733
High vs. Low wald test p-value: 0.998
Event time (k)

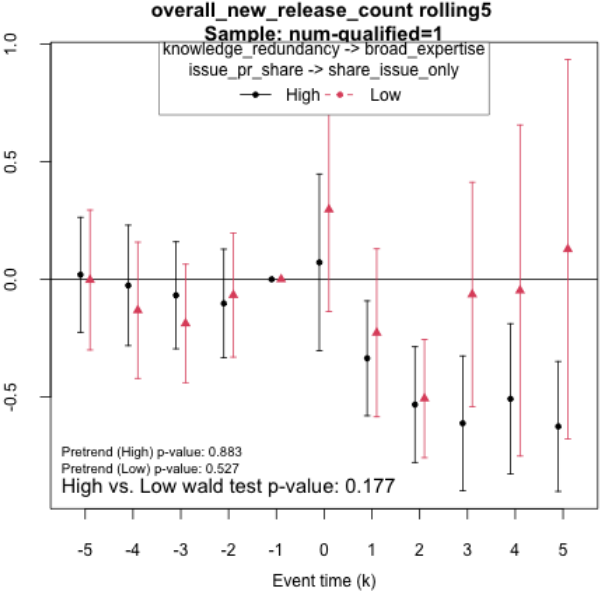

major_minor_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_issue_and_pr
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.499
High vs. Low wald test p-value: 0.237
Event time (k)

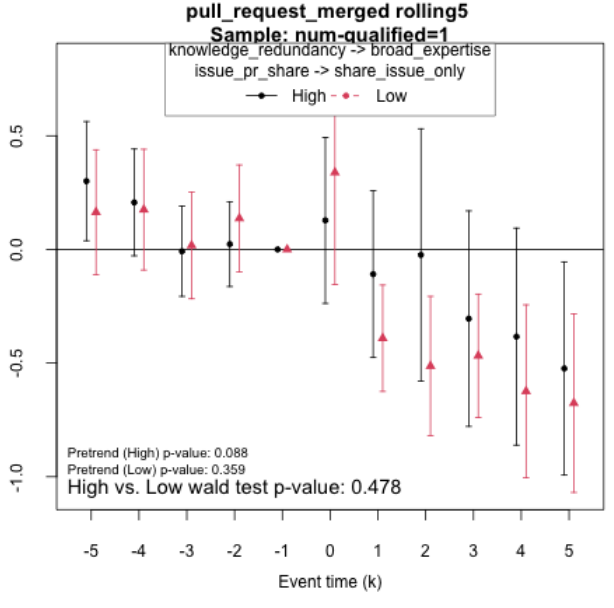

overall_new_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_issue_and_pr
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.281
High vs. Low wald test p-value: 0.181
Event time (k)

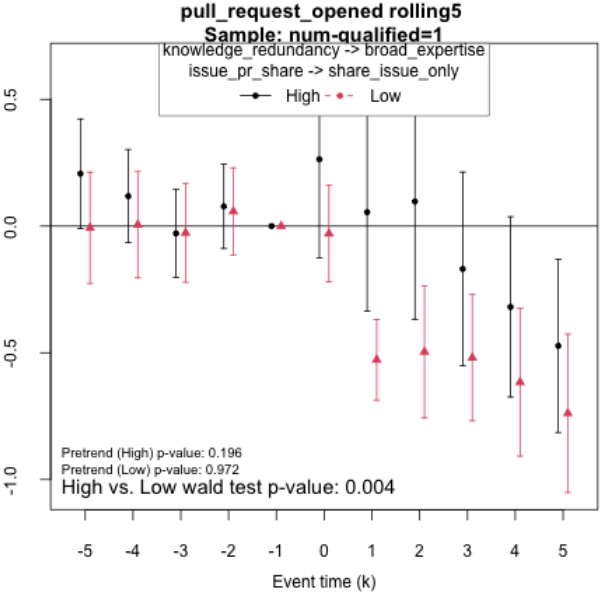

pull_request_merged rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_issue_and_pr
High
Low
Pretrend (High) p-value: 0.971
Pretrend (Low) p-value: 0.030
High vs. Low wald test p-value: 0.007
Event time (k)

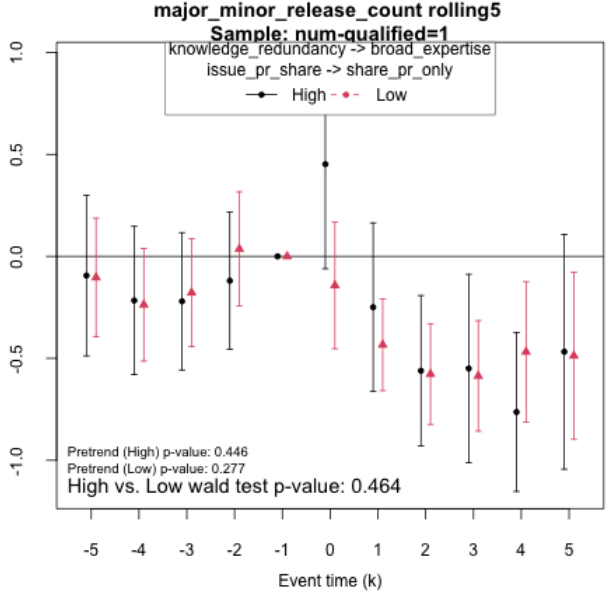

pull_request_opened rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_issue_and_pr
High
Low
Pretrend (High) p-value: 0.322
Pretrend (Low) p-value: 0.161
High vs. Low wald test p-value: 0.057
Event time (k)

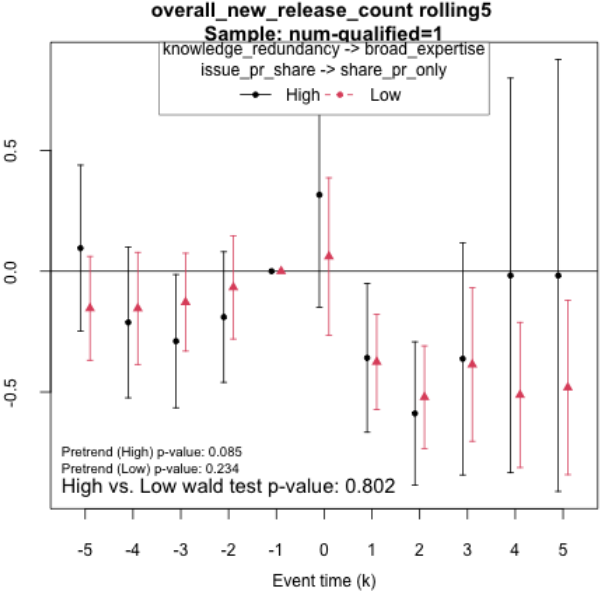

major_minor_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_issue_only
High
Low
Pretrend (High) p-value: 0.683
Pretrend (Low) p-value: 0.340
High vs. Low wald test p-value: 0.586
Event time (k)

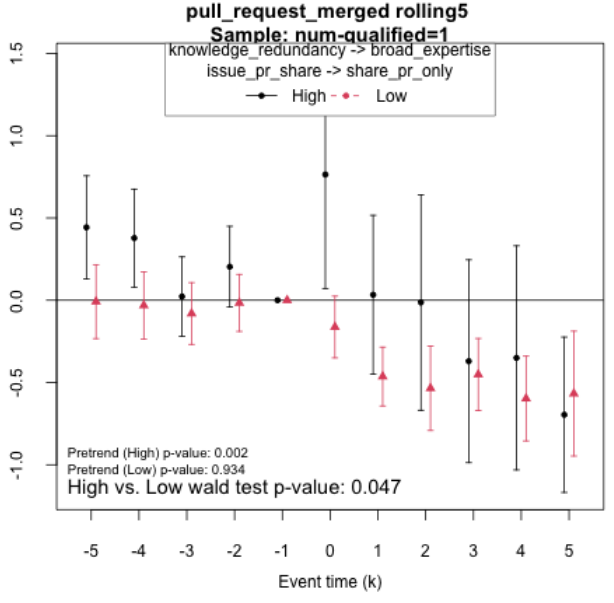

overall_new_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_issue_only
High
Low
Pretrend (High) p-value: 0.883
Pretrend (Low) p-value: 0.527
High vs. Low wald test p-value: 0.177
Event time (k)

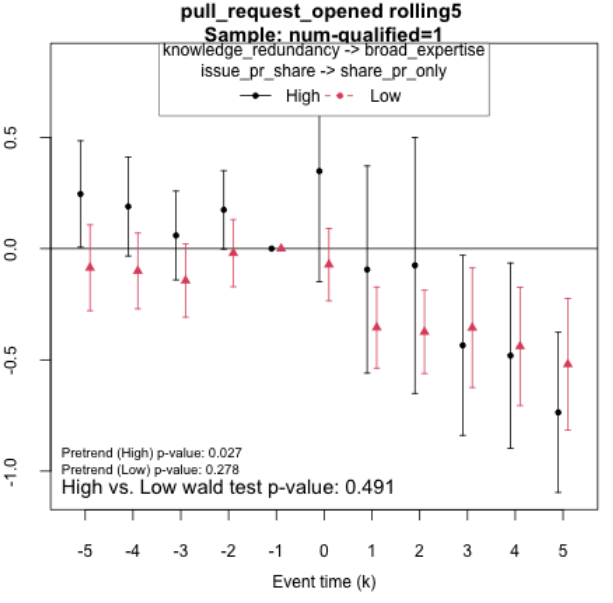

pull_request_merged rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_issue_only
High
Low
Pretrend (High) p-value: 0.088
Pretrend (Low) p-value: 0.359
High vs. Low wald test p-value: 0.478
Event time (k)

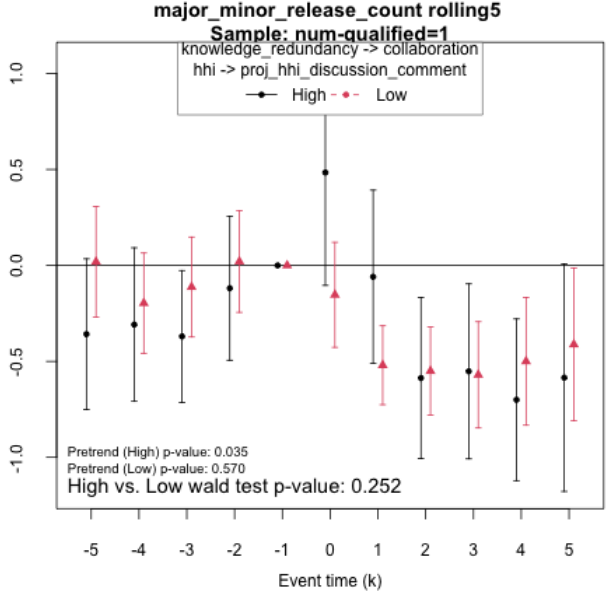

pull_request_opened rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_issue_only
High
Low
Pretrend (High) p-value: 0.196
Pretrend (Low) p-value: 0.972
High vs. Low wald test p-value: 0.004
Event time (k)

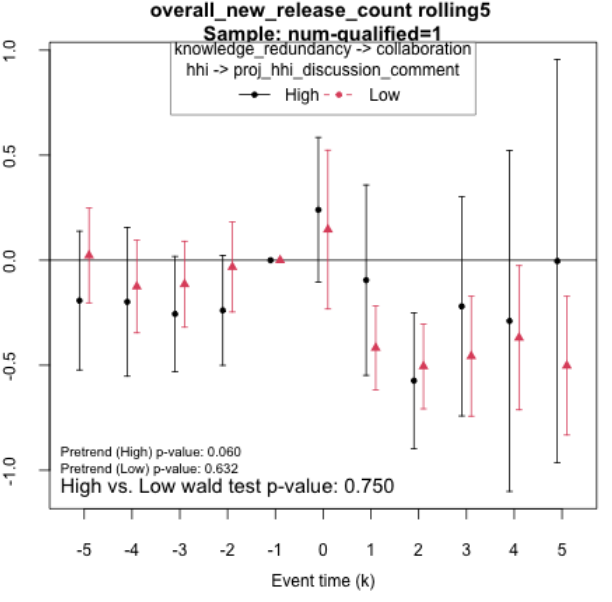

major_minor_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_pr_only
High
Low
Pretrend (High) p-value: 0.446
Pretrend (Low) p-value: 0.277
High vs. Low wald test p-value: 0.464
Event time (k)

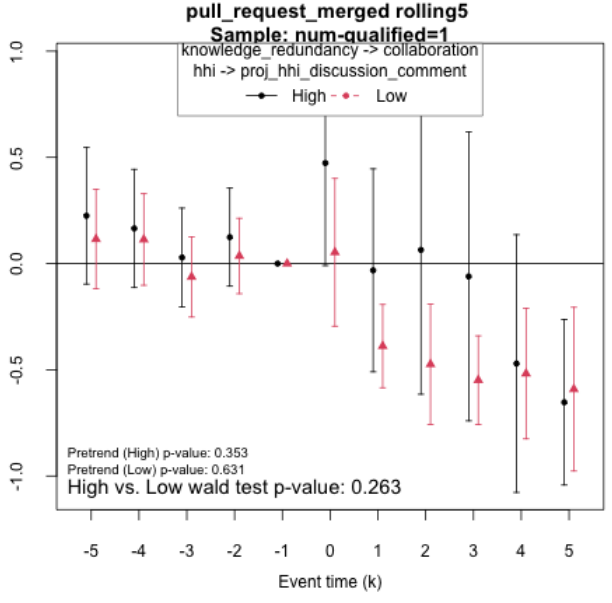

overall_new_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_pr_only
High
Low
Pretrend (High) p-value: 0.085
Pretrend (Low) p-value: 0.234
High vs. Low wald test p-value: 0.802
Event time (k)

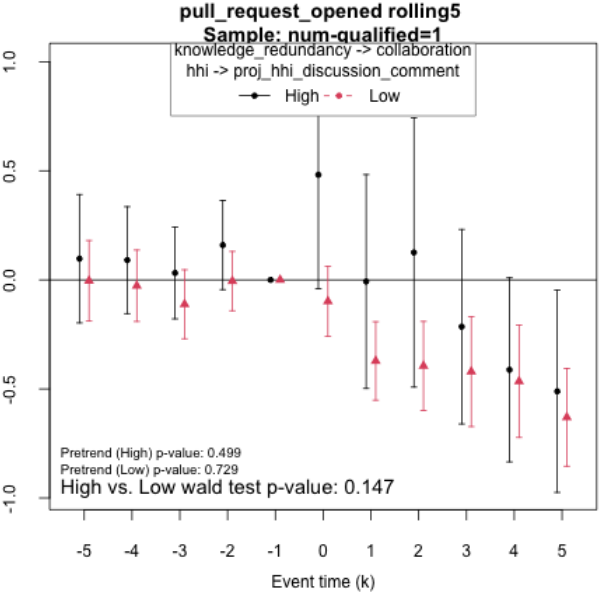

pull_request_merged rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_pr_only
High
Low
Pretrend (High) p-value: 0.002
Pretrend (Low) p-value: 0.934
High vs. Low wald test p-value: 0.047
Event time (k)

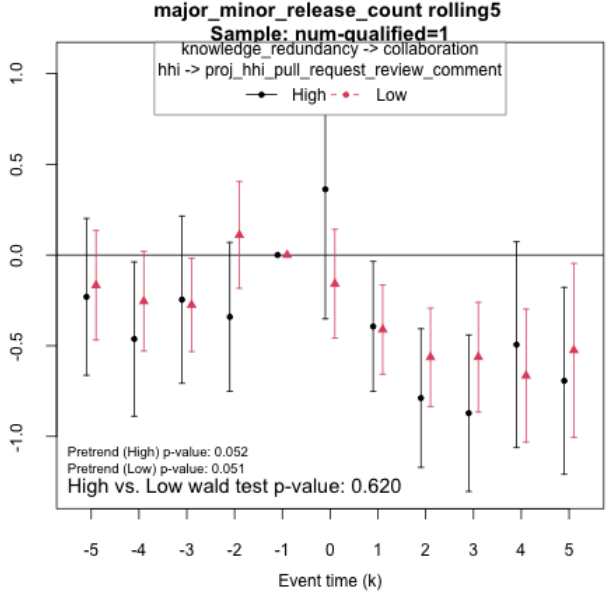

pull_request_opened rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_pr_only
High
Low
Pretrend (High) p-value: 0.027
Pretrend (Low) p-value: 0.278
High vs. Low wald test p-value: 0.491
Event time (k)

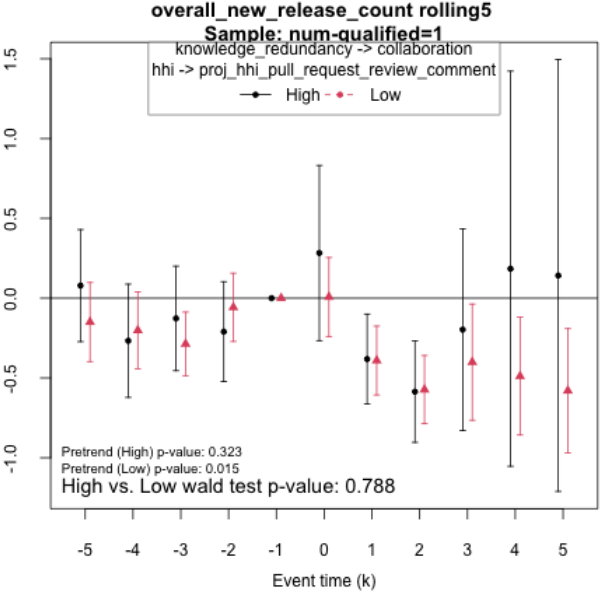

major_minor_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
hhi -> proj_hhi_discussion_comment
High
Low
Pretrend (High) p-value: 0.035
Pretrend (Low) p-value: 0.570
High vs. Low wald test p-value: 0.252
Event time (k)

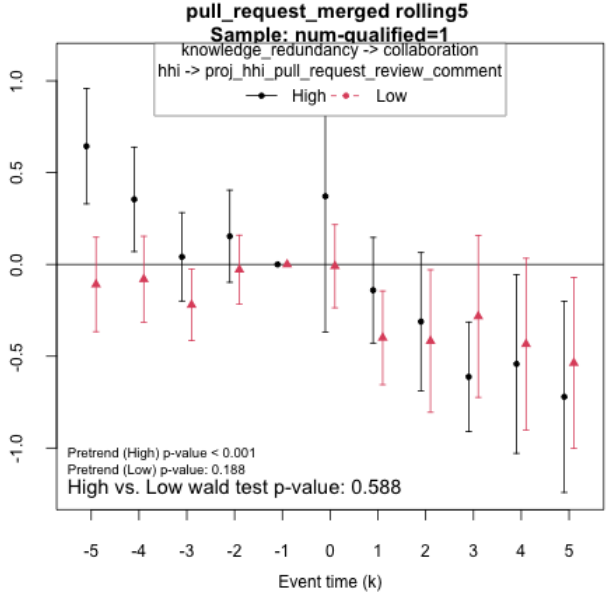

overall_new_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
hhi -> proj_hhi_discussion_comment
High
Low
Pretrend (High) p-value: 0.060
Pretrend (Low) p-value: 0.632
High vs. Low wald test p-value: 0.750
Event time (k)

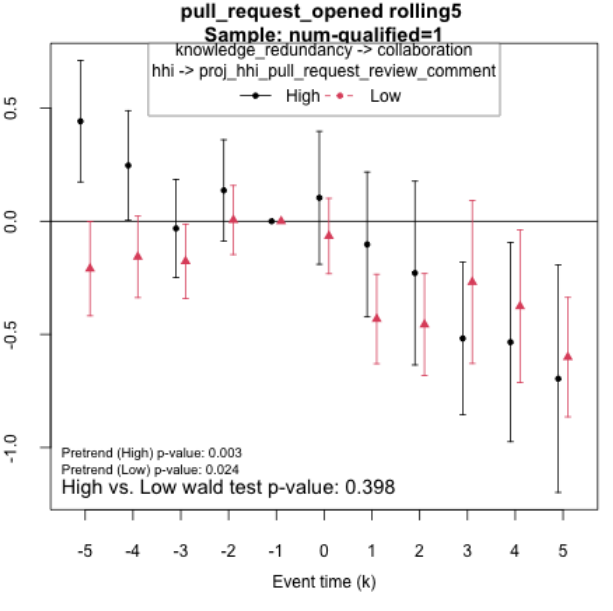

pull_request_merged rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
hhi -> proj_hhi_discussion_comment
High
Low
Pretrend (High) p-value: 0.353
Pretrend (Low) p-value: 0.631
High vs. Low wald test p-value: 0.263
Event time (k)

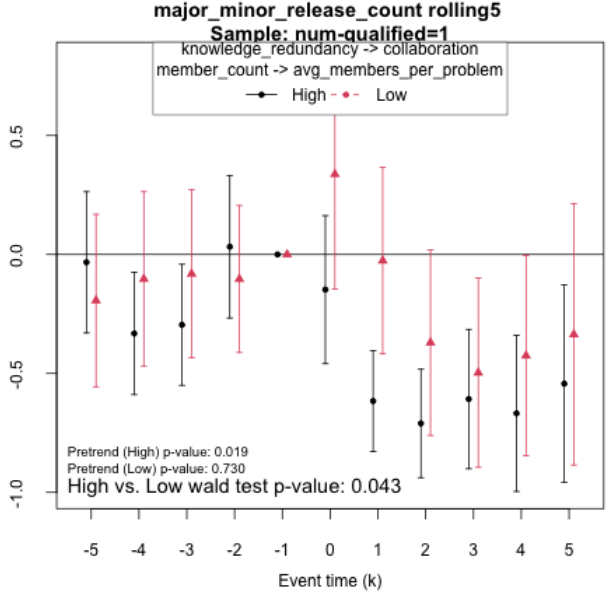

pull_request_opened rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
hhi -> proj_hhi_discussion_comment
High
Low
Pretrend (High) p-value: 0.499
Pretrend (Low) p-value: 0.729
High vs. Low wald test p-value: 0.147
Event time (k)

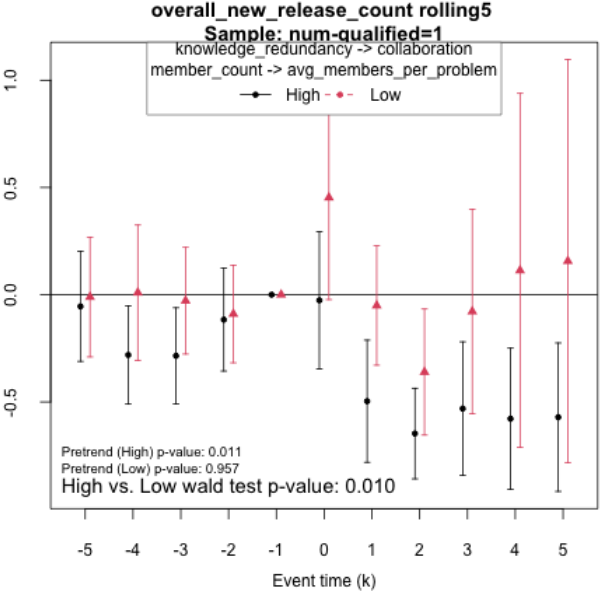

major_minor_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
hhi -> proj_hhi_pull_request_review_comment
High
Low
Pretrend (High) p-value: 0.052
Pretrend (Low) p-value: 0.051
High vs. Low wald test p-value: 0.620
Event time (k)

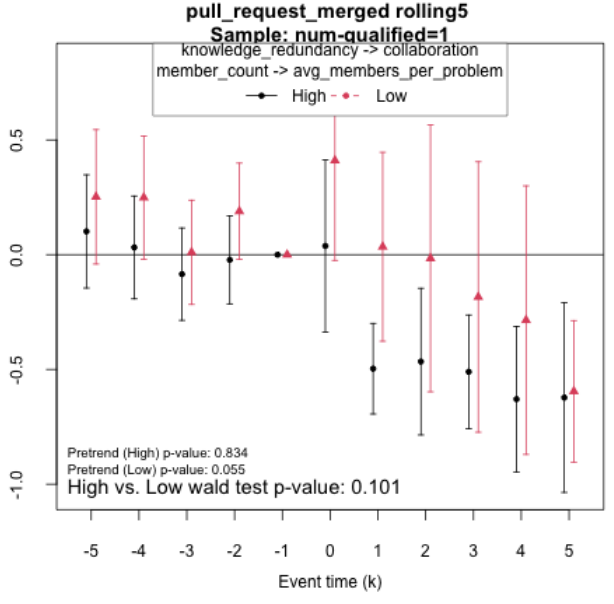

overall_new_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
hhi -> proj_hhi_pull_request_review_comment
High
Low
Pretrend (High) p-value: 0.323
Pretrend (Low) p-value: 0.015
High vs. Low wald test p-value: 0.788
Event time (k)

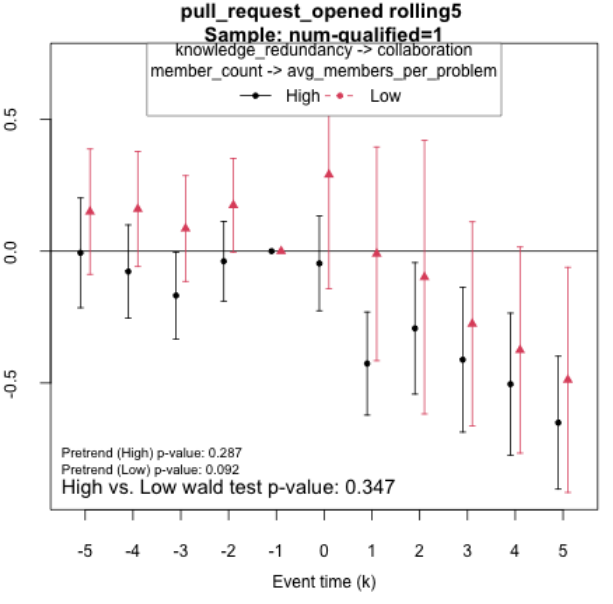

pull_request_merged rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
hhi -> proj_hhi_pull_request_review_comment
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.188
High vs. Low wald test p-value: 0.588
Event time (k)

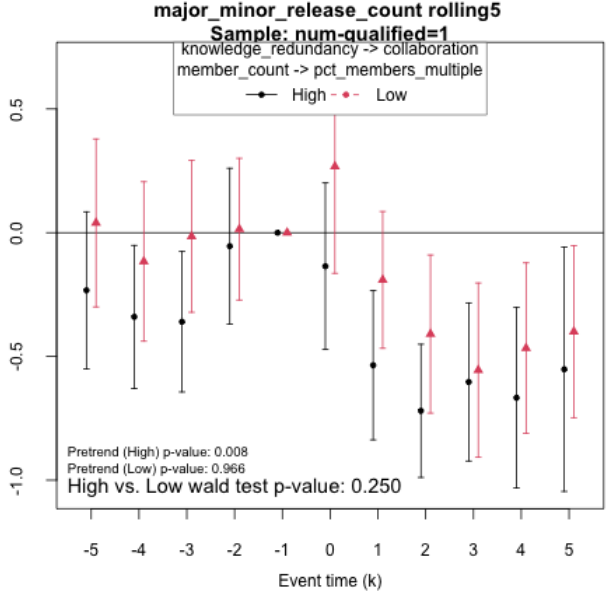

pull_request_opened rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
hhi -> proj_hhi_pull_request_review_comment
High
Low
Pretrend (High) p-value: 0.003
Pretrend (Low) p-value: 0.024
High vs. Low wald test p-value: 0.398
Event time (k)

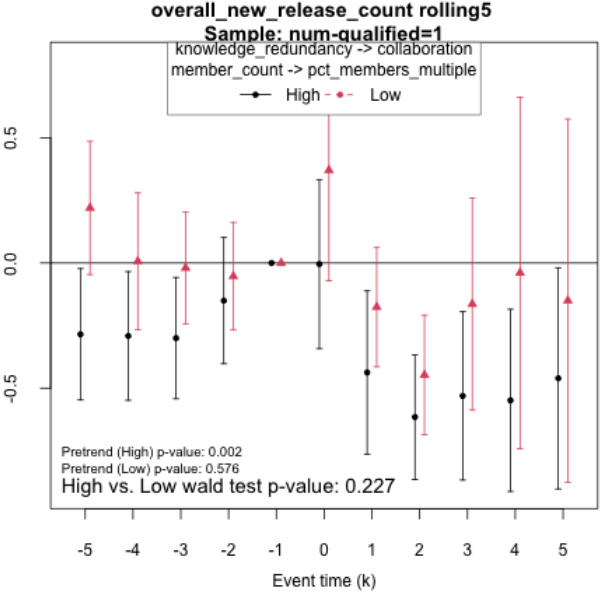

major_minor_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
member_count -> avg_members_per_problem
High
Low
Pretrend (High) p-value: 0.019
Pretrend (Low) p-value: 0.730
High vs. Low wald test p-value: 0.043
Event time (k)

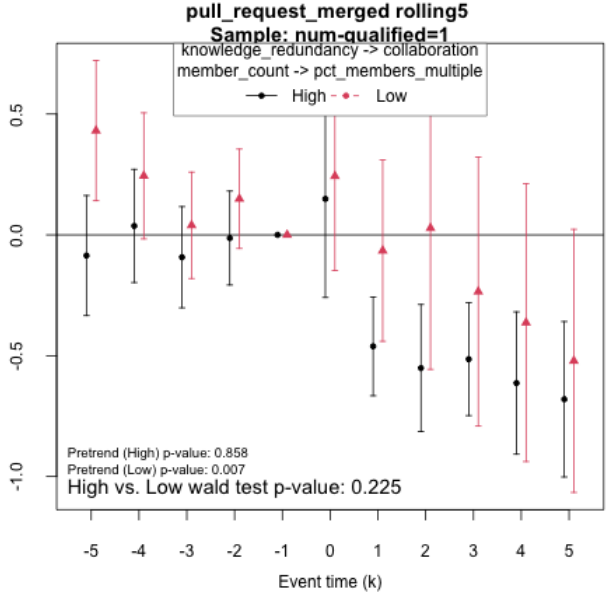

overall_new_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
member_count -> avg_members_per_problem
High
Low
Pretrend (High) p-value: 0.011
Pretrend (Low) p-value: 0.957
High vs. Low wald test p-value: 0.010
Event time (k)

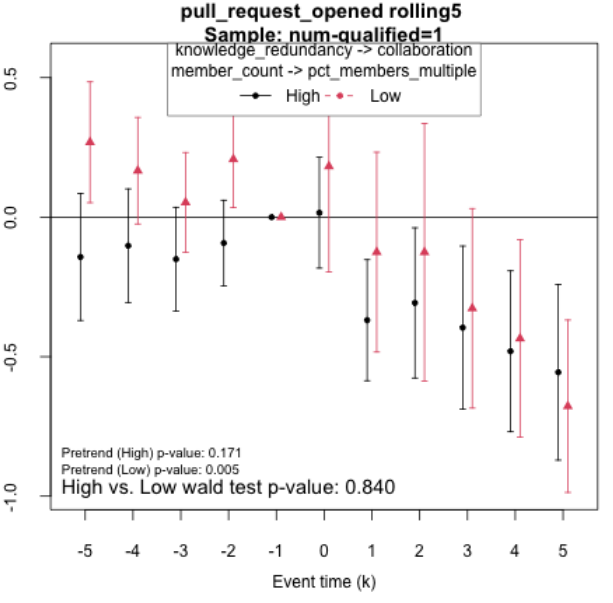

pull_request_merged rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
member_count -> avg_members_per_problem
High
Low
Pretrend (High) p-value: 0.834
Pretrend (Low) p-value: 0.055
High vs. Low wald test p-value: 0.101
Event time (k)

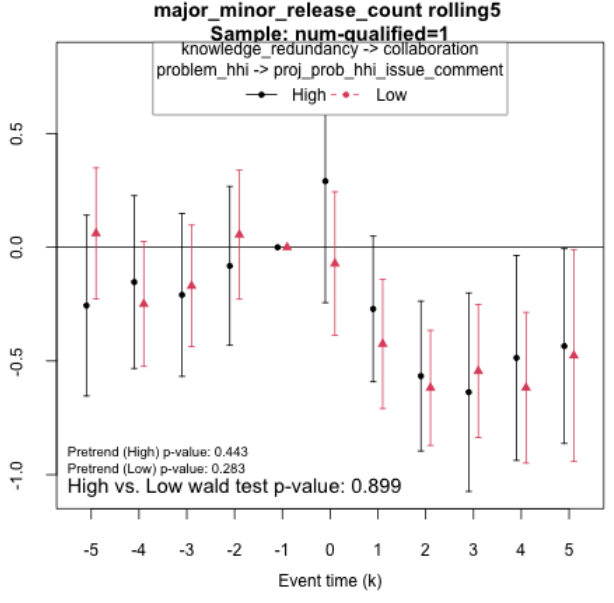

pull_request_opened rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
member_count -> avg_members_per_problem
High
Low
Pretrend (High) p-value: 0.287
Pretrend (Low) p-value: 0.092
High vs. Low wald test p-value: 0.347
Event time (k)

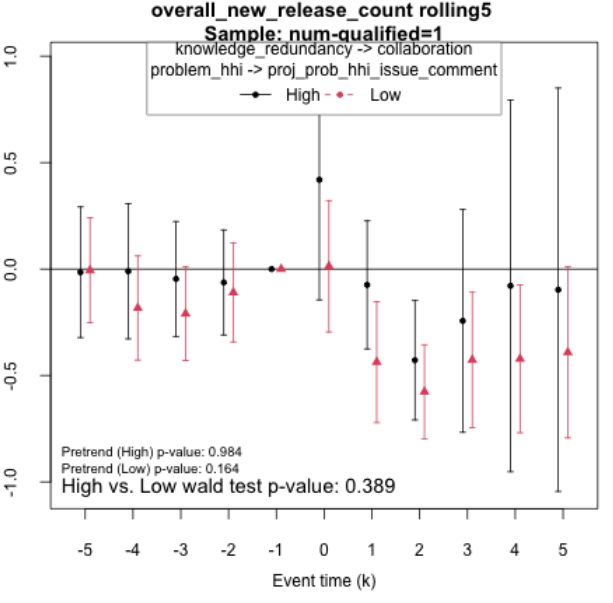

major_minor_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
member_count -> pct_members_multiple
High
Low
Pretrend (High) p-value: 0.008
Pretrend (Low) p-value: 0.966
High vs. Low wald test p-value: 0.250
Event time (k)

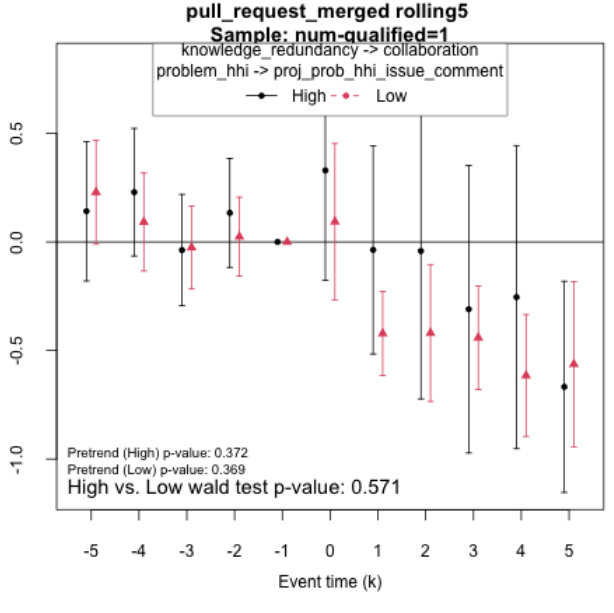

overall_new_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
member_count -> pct_members_multiple
High
Low
Pretrend (High) p-value: 0.002
Pretrend (Low) p-value: 0.576
High vs. Low wald test p-value: 0.227
Event time (k)

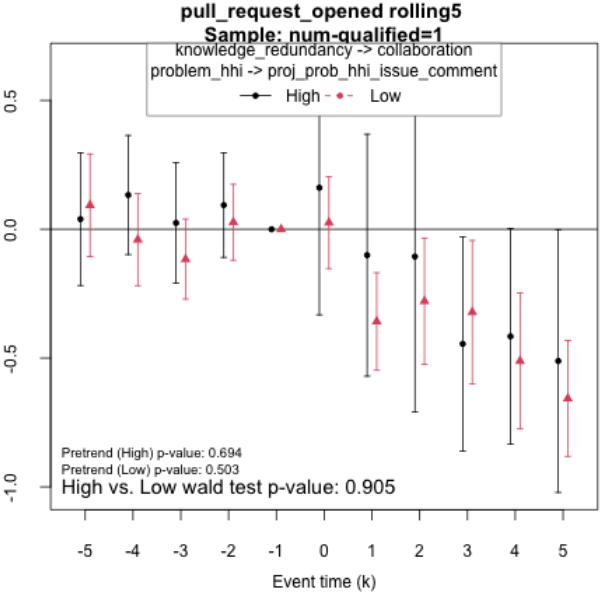

pull_request_merged rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
member_count -> pct_members_multiple
High
Low
Pretrend (High) p-value: 0.858
Pretrend (Low) p-value: 0.007
High vs. Low wald test p-value: 0.225
Event time (k)

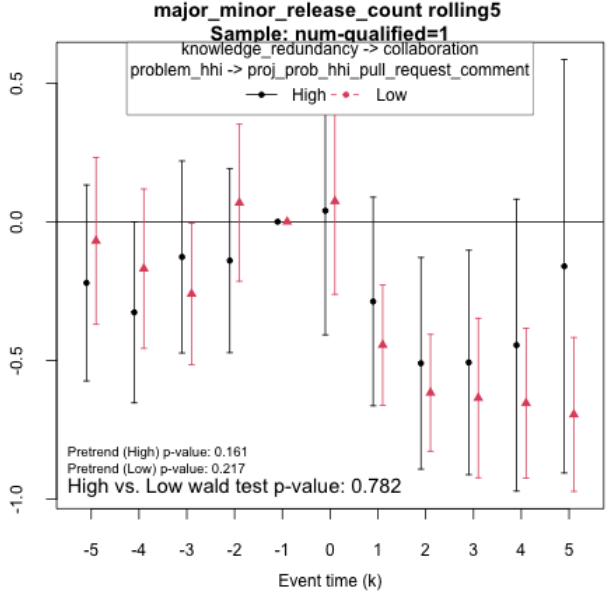

pull_request_opened rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
member_count -> pct_members_multiple
High
Low
Pretrend (High) p-value: 0.171
Pretrend (Low) p-value: 0.005
High vs. Low wald test p-value: 0.840
Event time (k)

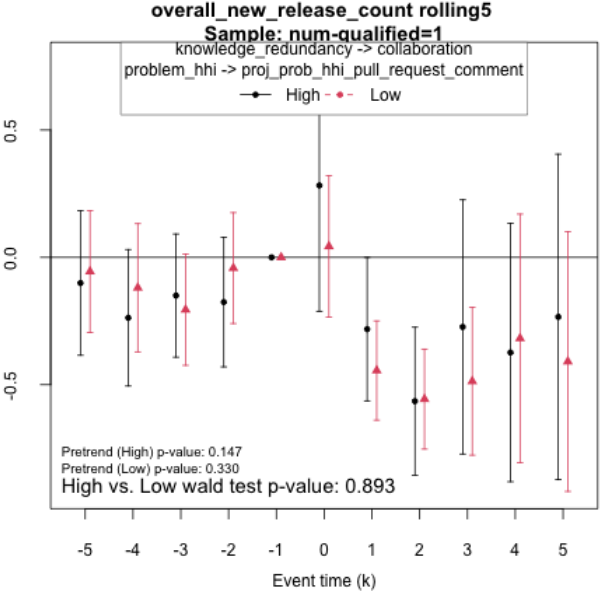

major_minor_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_issue_comment
High
Low
Pretrend (High) p-value: 0.443
Pretrend (Low) p-value: 0.283
High vs. Low wald test p-value: 0.899
Event time (k)

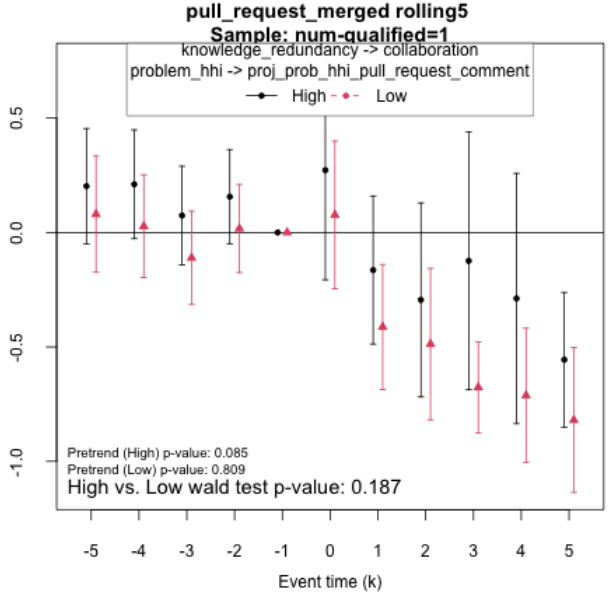

overall_new_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_issue_comment
High
Low
Pretrend (High) p-value: 0.984
Pretrend (Low) p-value: 0.164
High vs. Low wald test p-value: 0.389
Event time (k)

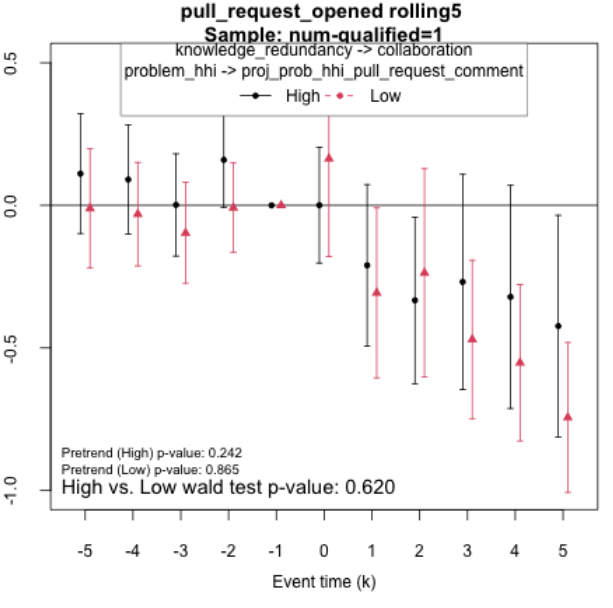

pull_request_merged rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_issue_comment
High
Low
Pretrend (High) p-value: 0.372
Pretrend (Low) p-value: 0.369
High vs. Low wald test p-value: 0.571
Event time (k)

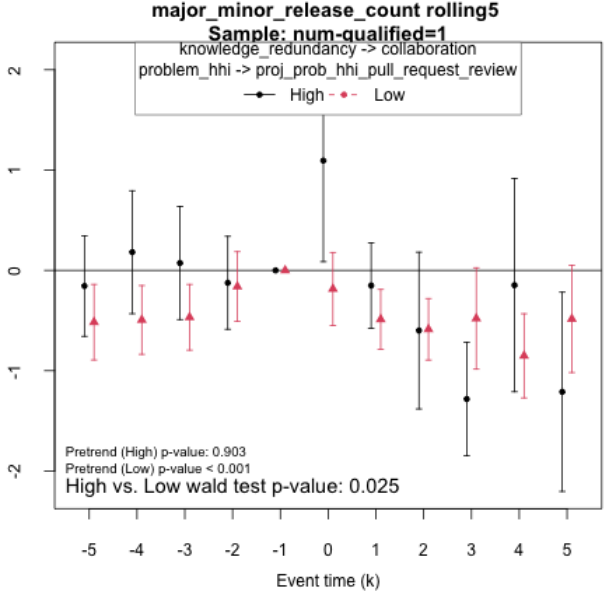

pull_request_opened rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_issue_comment
High
Low
Pretrend (High) p-value: 0.694
Pretrend (Low) p-value: 0.503
High vs. Low wald test p-value: 0.905
Event time (k)

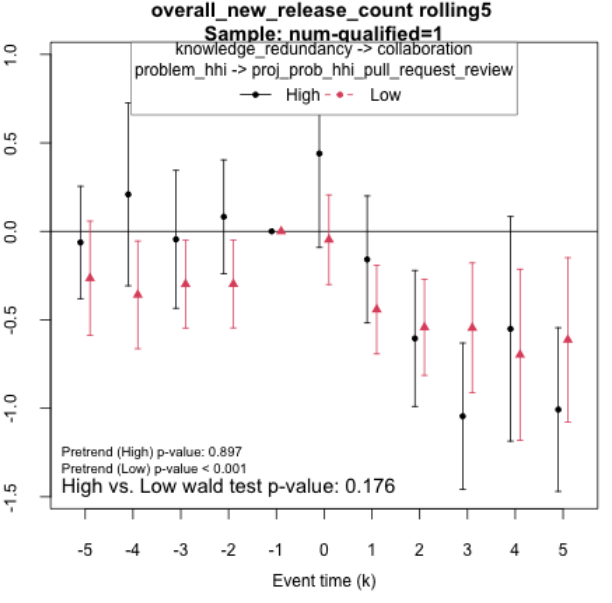

major_minor_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_comment
High
Low
Pretrend (High) p-value: 0.161
Pretrend (Low) p-value: 0.217
High vs. Low wald test p-value: 0.782
Event time (k)

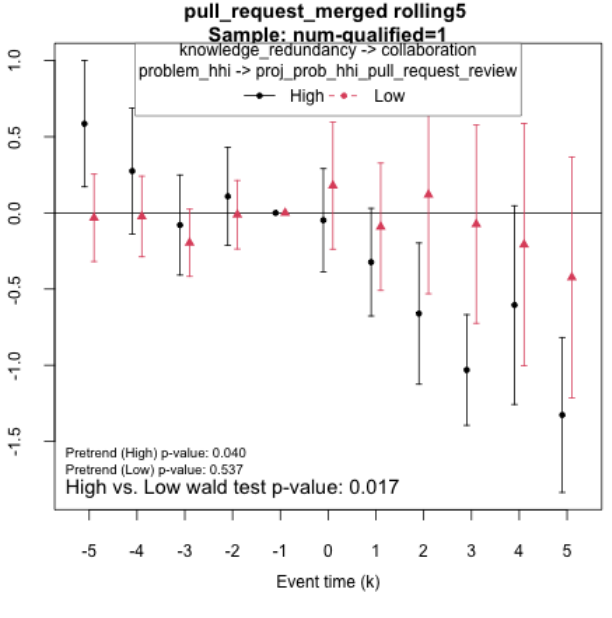

overall_new_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_comment
High
Low
Pretrend (High) p-value: 0.147
Pretrend (Low) p-value: 0.330
High vs. Low wald test p-value: 0.893
Event time (k)

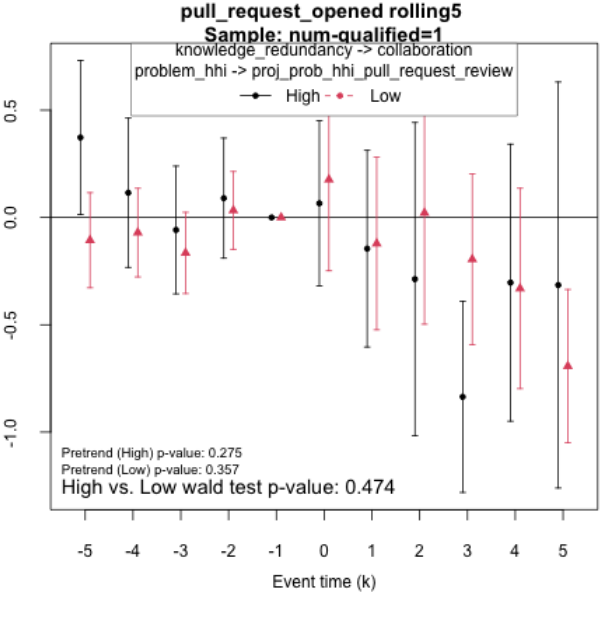

pull_request_merged rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_comment
High
Low
Pretrend (High) p-value: 0.085
Pretrend (Low) p-value: 0.809
High vs. Low wald test p-value: 0.187
Event time (k)

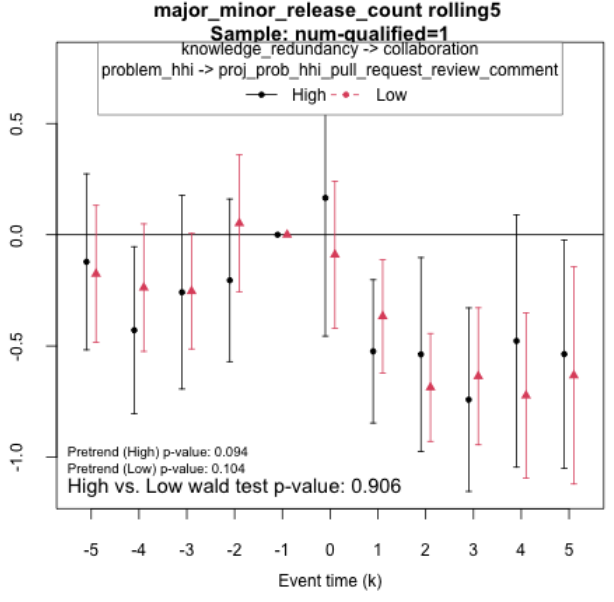

pull_request_opened rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_comment
High
Low
Pretrend (High) p-value: 0.242
Pretrend (Low) p-value: 0.865
High vs. Low wald test p-value: 0.620
Event time (k)

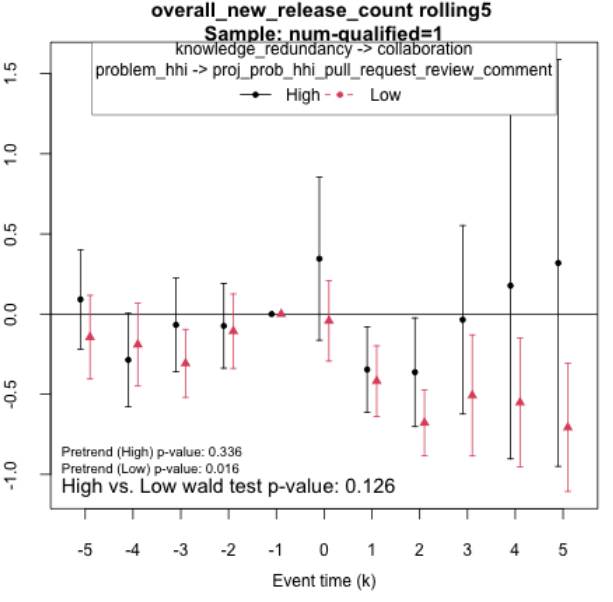

major_minor_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_review
High
Low
Pretrend (High) p-value: 0.903
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.025
Event time (k)

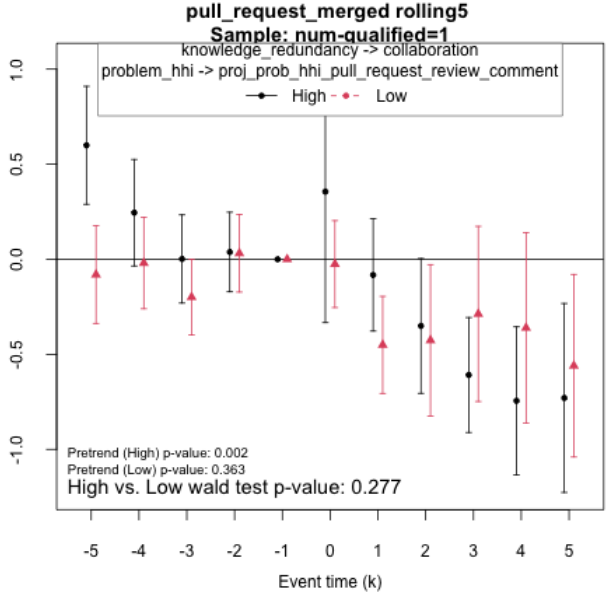

overall_new_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_review
High
Low
Pretrend (High) p-value: 0.897
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.176
Event time (k)

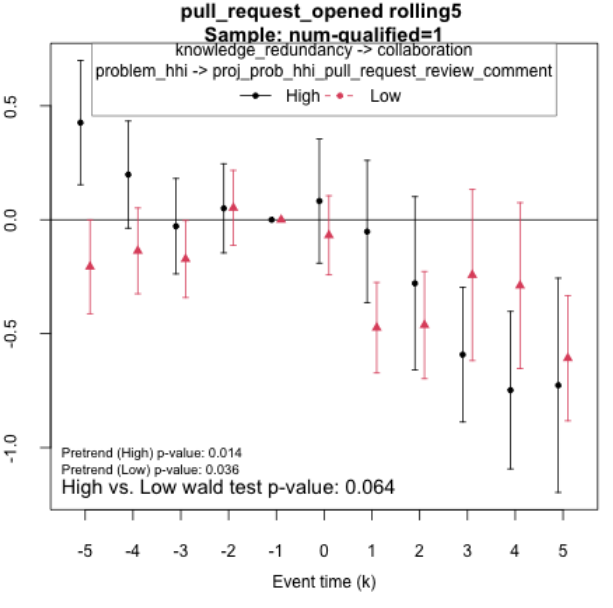

pull_request_merged rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_review
High
Low
Pretrend (High) p-value: 0.040
Pretrend (Low) p-value: 0.537
High vs. Low wald test p-value: 0.017
Event time (k)

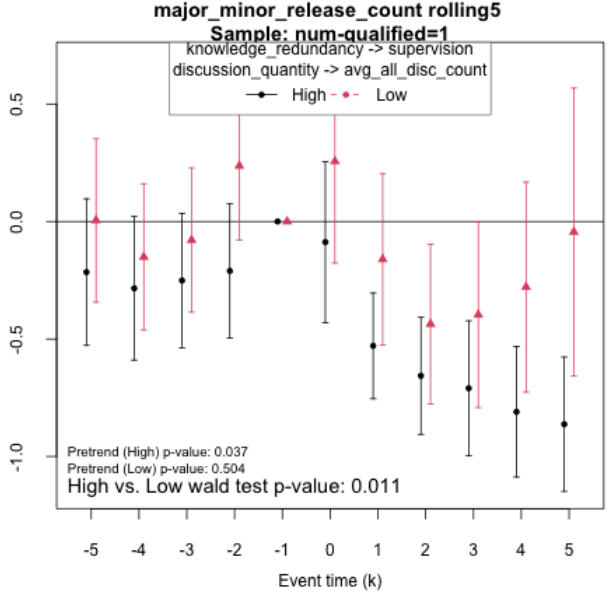

pull_request_opened rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_review
High
Low
Pretrend (High) p-value: 0.275
Pretrend (Low) p-value: 0.357
High vs. Low wald test p-value: 0.474
Event time (k)

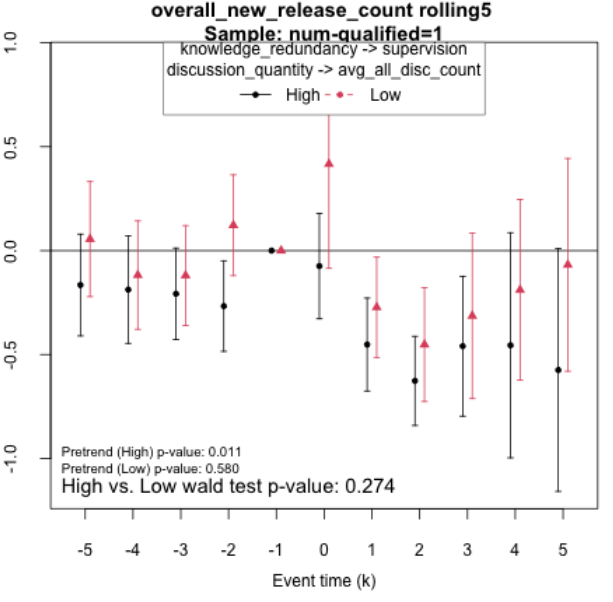

major_minor_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_review_comment
High
Low
Pretrend (High) p-value: 0.094
Pretrend (Low) p-value: 0.104
High vs. Low wald test p-value: 0.906
Event time (k)

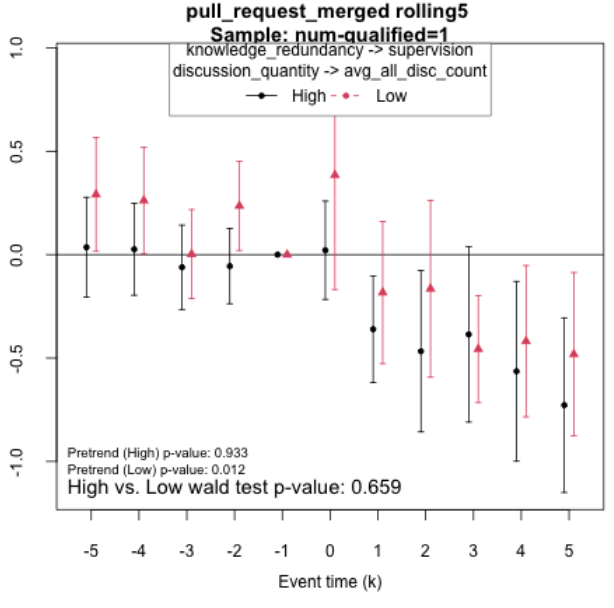

overall_new_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_review_comment
High
Low
Pretrend (High) p-value: 0.336
Pretrend (Low) p-value: 0.016
High vs. Low wald test p-value: 0.126
Event time (k)

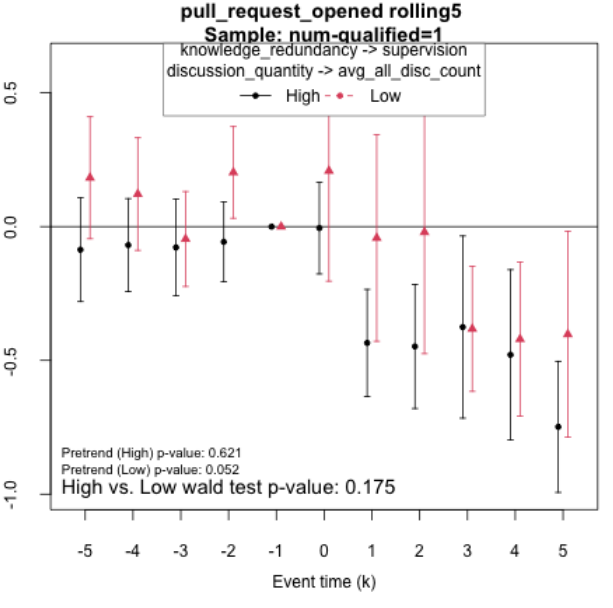

pull_request_merged rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_review_comment
High
Low
Pretrend (High) p-value: 0.002
Pretrend (Low) p-value: 0.363
High vs. Low wald test p-value: 0.277
Event time (k)

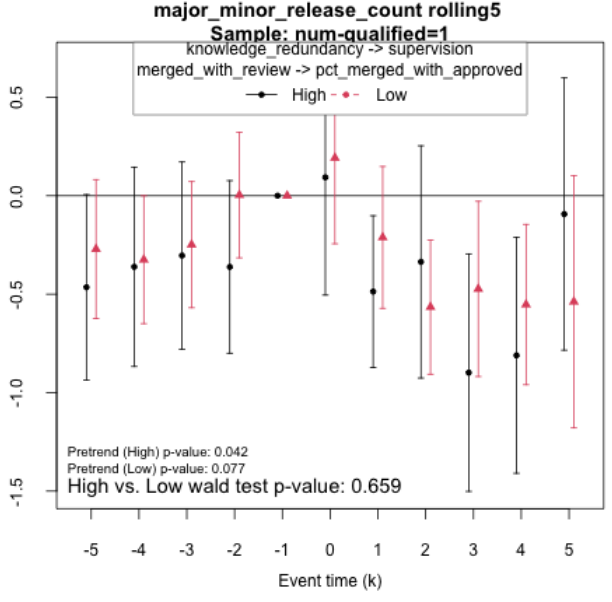

pull_request_opened rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_review_comment
High
Low
Pretrend (High) p-value: 0.014
Pretrend (Low) p-value: 0.036
High vs. Low wald test p-value: 0.064
Event time (k)

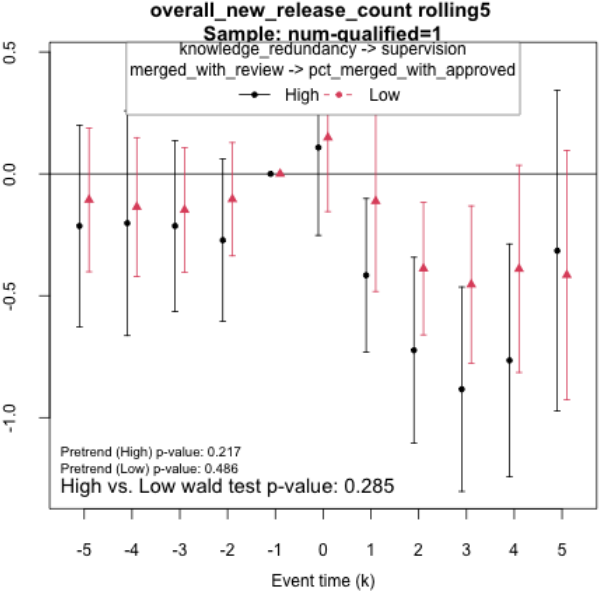

major_minor_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> supervision
discussion_quantity -> avg_all_disc_count
High
Low
Pretrend (High) p-value: 0.037
Pretrend (Low) p-value: 0.504
High vs. Low wald test p-value: 0.011
Event time (k)

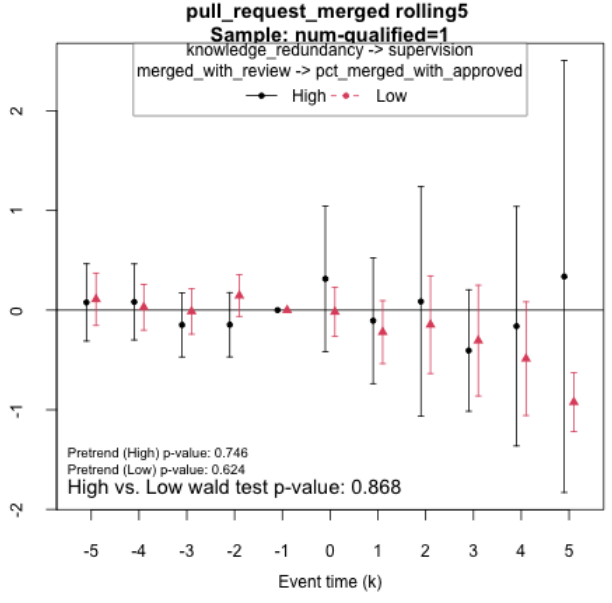

overall_new_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> supervision
discussion_quantity -> avg_all_disc_count
High
Low
Pretrend (High) p-value: 0.011
Pretrend (Low) p-value: 0.580
High vs. Low wald test p-value: 0.274
Event time (k)

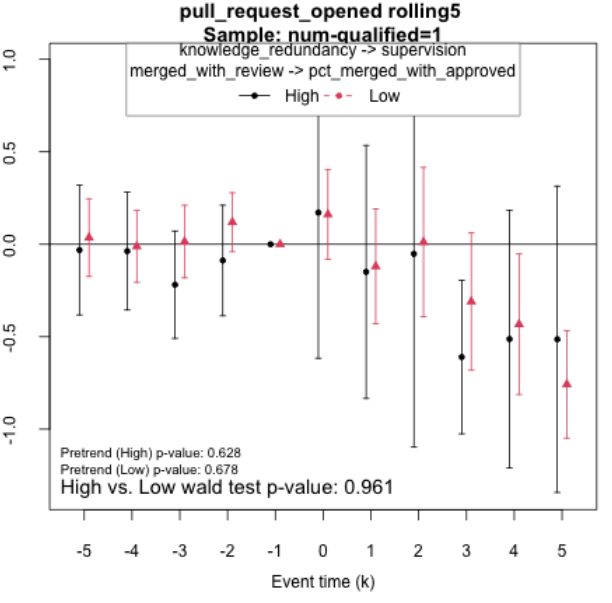

pull_request_merged rolling5
Sample: num-qualified=1
knowledge_redundancy -> supervision
discussion_quantity -> avg_all_disc_count
High
Low
Pretrend (High) p-value: 0.933
Pretrend (Low) p-value: 0.012
High vs. Low wald test p-value: 0.659
Event time (k)

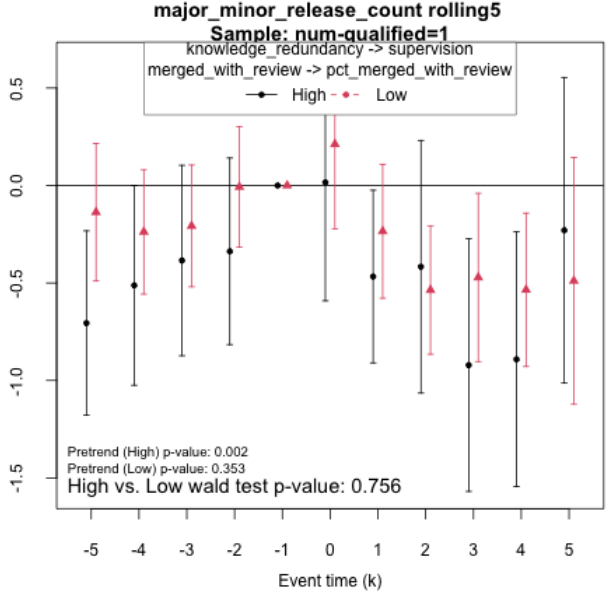

pull_request_opened rolling5
Sample: num-qualified=1
knowledge_redundancy -> supervision
discussion_quantity -> avg_all_disc_count
High
Low
Pretrend (High) p-value: 0.621
Pretrend (Low) p-value: 0.052
High vs. Low wald test p-value: 0.175
Event time (k)

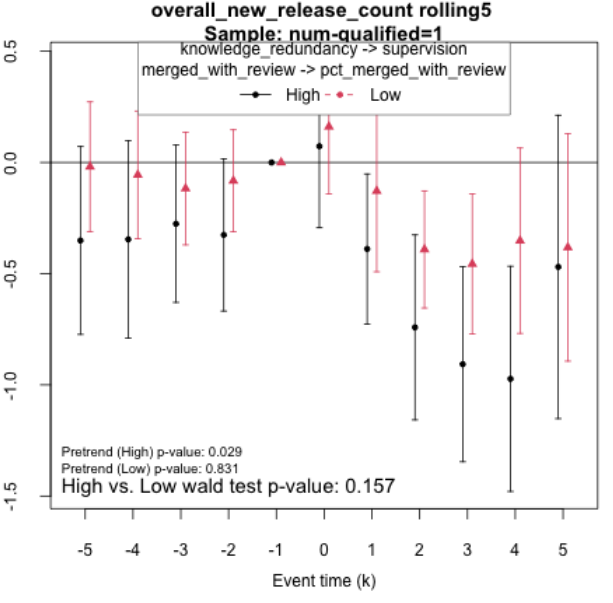

major_minor_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> supervision
merged_with_review -> pct_merged_with_approved
High
Low
Pretrend (High) p-value: 0.042
Pretrend (Low) p-value: 0.077
High vs. Low wald test p-value: 0.659
Event time (k)

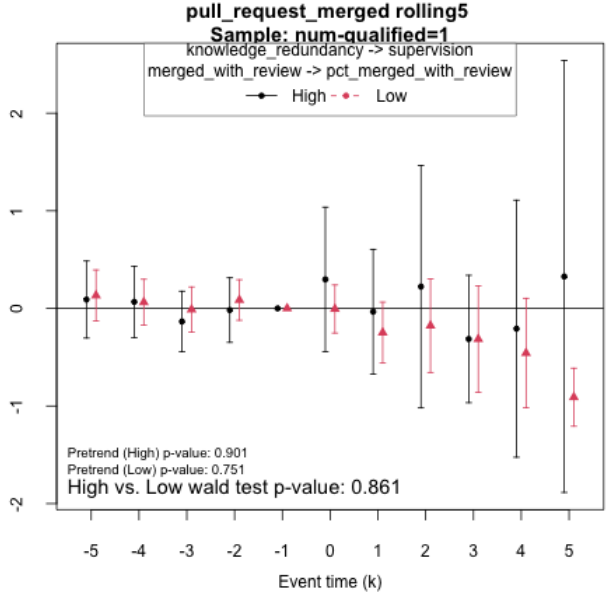

overall_new_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> supervision
merged_with_review -> pct_merged_with_approved
High
Low
Pretrend (High) p-value: 0.217
Pretrend (Low) p-value: 0.486
High vs. Low wald test p-value: 0.285
Event time (k)

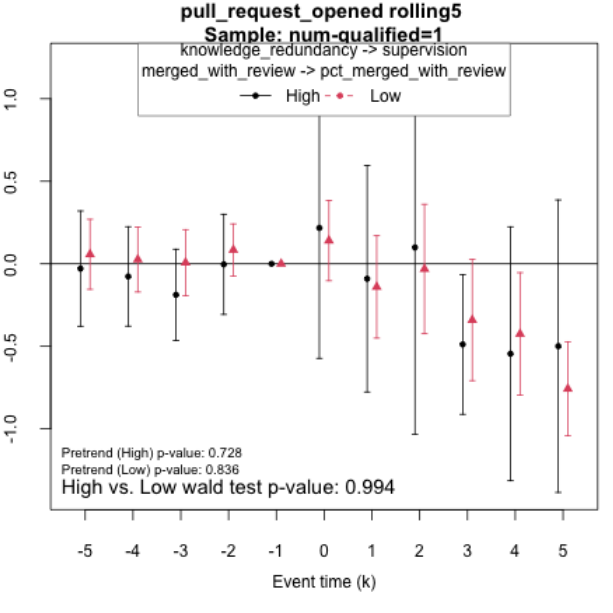

pull_request_merged rolling5
Sample: num-qualified=1
knowledge_redundancy -> supervision
merged_with_review -> pct_merged_with_approved
High
Low
Pretrend (High) p-value: 0.746
Pretrend (Low) p-value: 0.624
High vs. Low wald test p-value: 0.868
Event time (k)

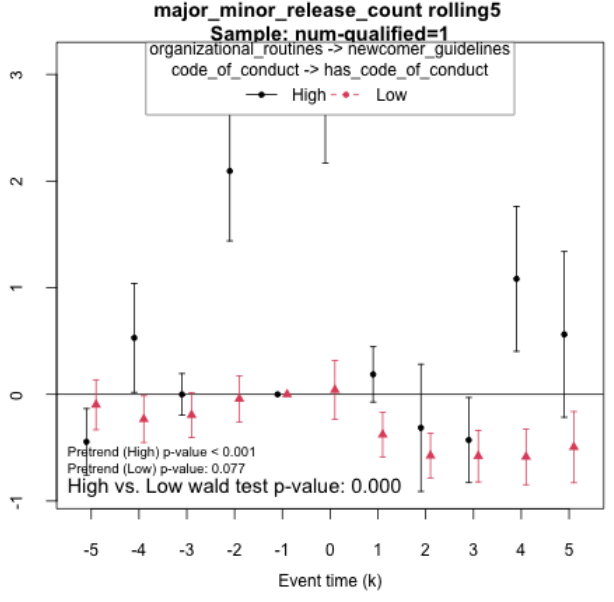

pull_request_opened rolling5
Sample: num-qualified=1
knowledge_redundancy -> supervision
merged_with_review -> pct_merged_with_approved
High
Low
Pretrend (High) p-value: 0.628
Pretrend (Low) p-value: 0.678
High vs. Low wald test p-value: 0.961
Event time (k)

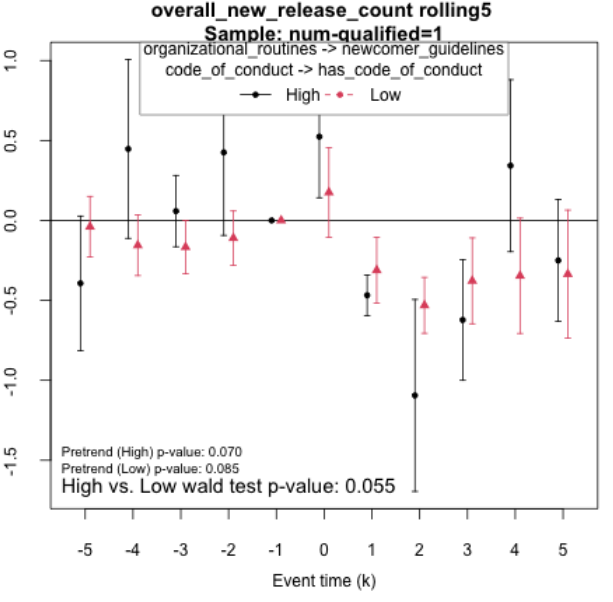

major_minor_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> supervision
merged_with_review -> pct_merged_with_review
High
Low
Pretrend (High) p-value: 0.002
Pretrend (Low) p-value: 0.353
High vs. Low wald test p-value: 0.756
Event time (k)

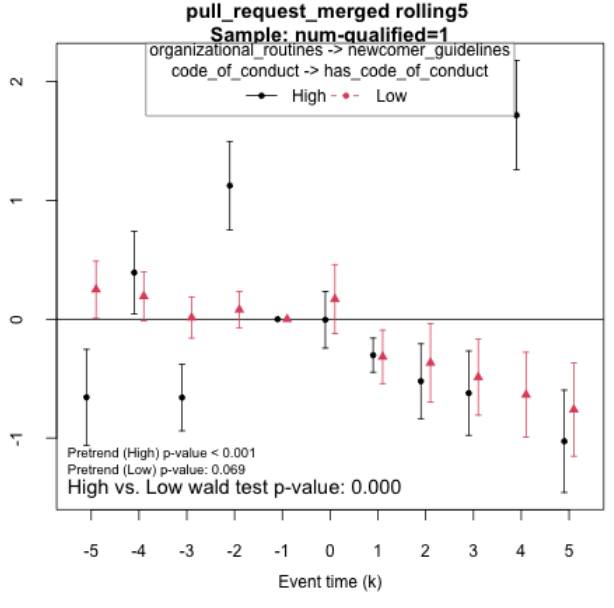

overall_new_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> supervision
merged_with_review -> pct_merged_with_review
High
Low
Pretrend (High) p-value: 0.029
Pretrend (Low) p-value: 0.831
High vs. Low wald test p-value: 0.157
Event time (k)

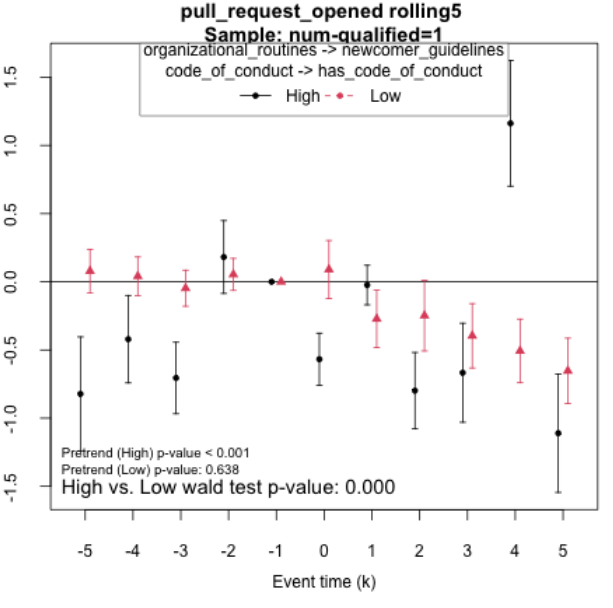

pull_request_merged rolling5
Sample: num-qualified=1
knowledge_redundancy -> supervision
merged_with_review -> pct_merged_with_review
High
Low
Pretrend (High) p-value: 0.901
Pretrend (Low) p-value: 0.751
High vs. Low wald test p-value: 0.861
Event time (k)

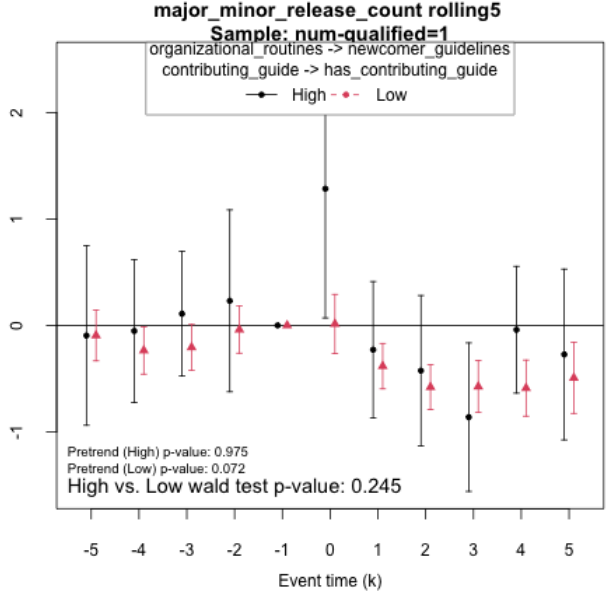

pull_request_opened rolling5
Sample: num-qualified=1
knowledge_redundancy -> supervision
merged_with_review -> pct_merged_with_review
High
Low
Pretrend (High) p-value: 0.728
Pretrend (Low) p-value: 0.836
High vs. Low wald test p-value: 0.994
Event time (k)

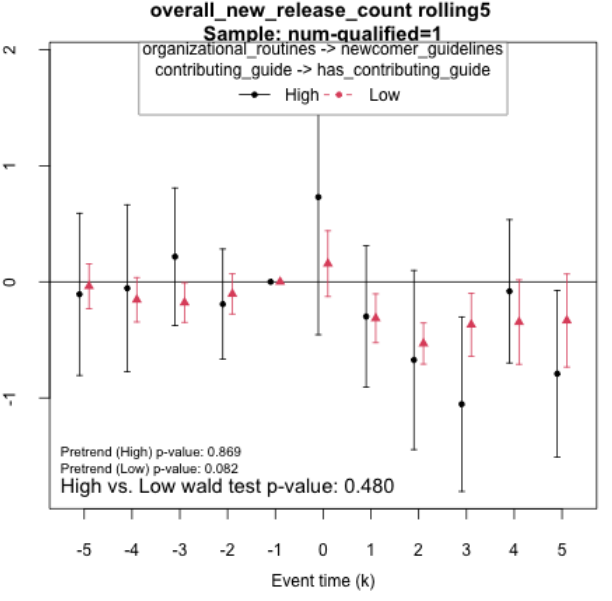

major_minor_release_count rolling5
Sample: num-qualified=1
organizational_routines -> newcomer_guidelines
code_of_conduct -> has_code_of_conduct
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.077
High vs. Low wald test p-value: 0.000
Event time (k)

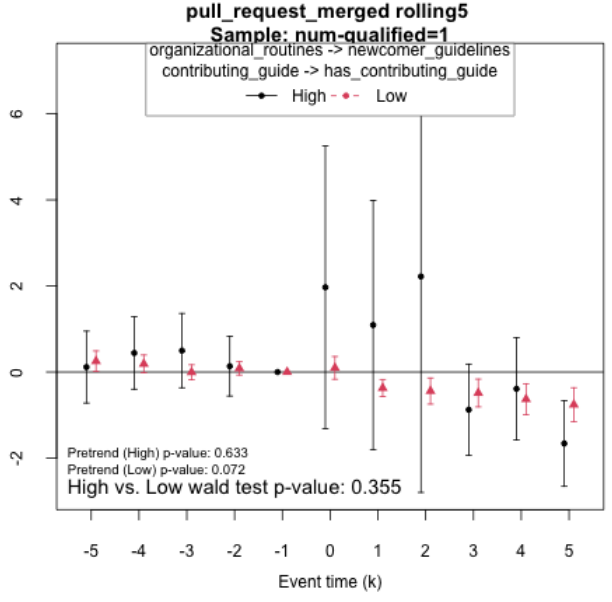

overall_new_release_count rolling5
Sample: num-qualified=1
organizational_routines -> newcomer_guidelines
code_of_conduct -> has_code_of_conduct
High
Low
Pretrend (High) p-value: 0.070
Pretrend (Low) p-value: 0.085
High vs. Low wald test p-value: 0.055
Event time (k)

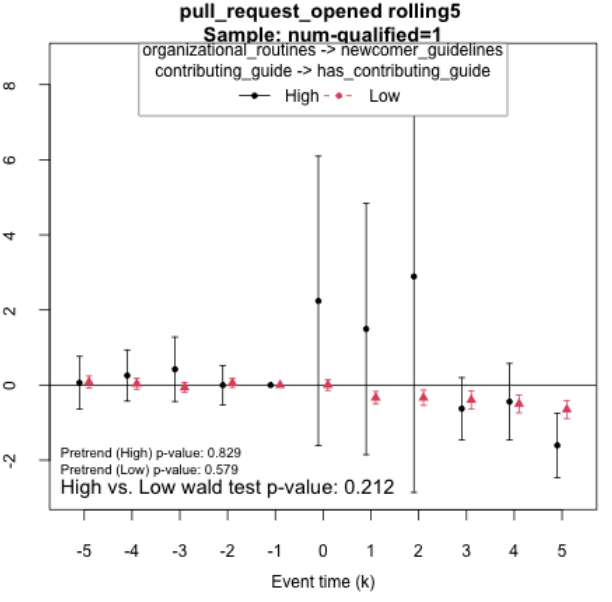

pull_request_merged rolling5
Sample: num-qualified=1
organizational_routines -> newcomer_guidelines
code_of_conduct -> has_code_of_conduct
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.069
High vs. Low wald test p-value: 0.000
Event time (k)

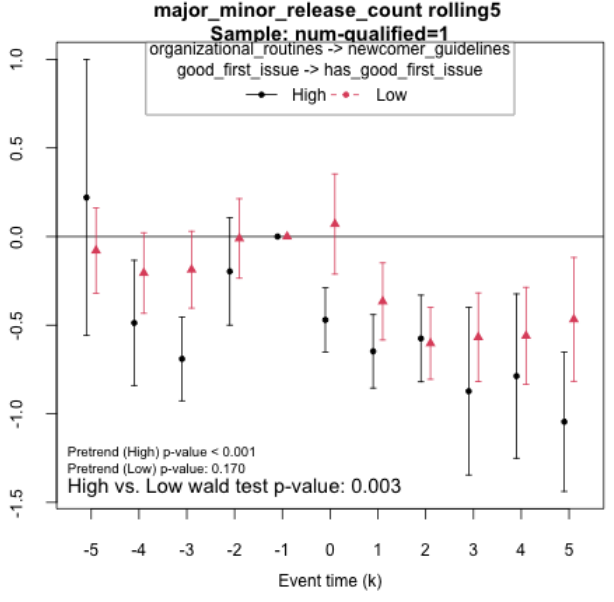

pull_request_opened rolling5
Sample: num-qualified=1
organizational_routines -> newcomer_guidelines
code_of_conduct -> has_code_of_conduct
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.638
High vs. Low wald test p-value: 0.000
Event time (k)

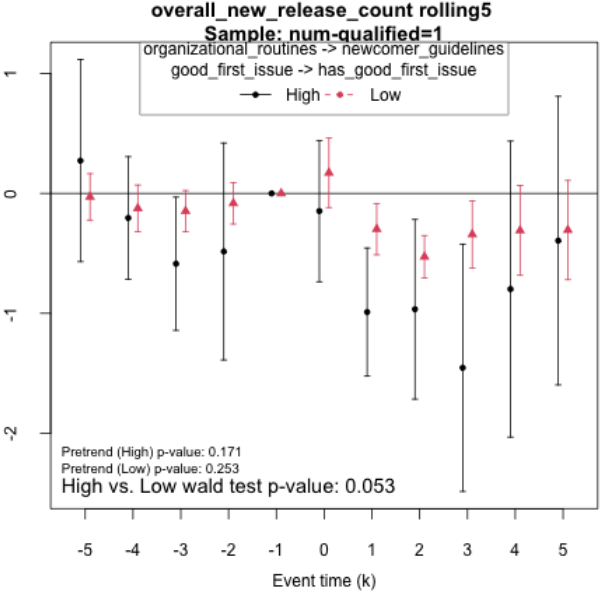

major_minor_release_count rolling5
Sample: num-qualified=1
organizational_routines -> newcomer_guidelines
contributing_guide -> has_contributing_guide
High
Low
Pretrend (High) p-value: 0.975
Pretrend (Low) p-value: 0.072
High vs. Low wald test p-value: 0.245
Event time (k)

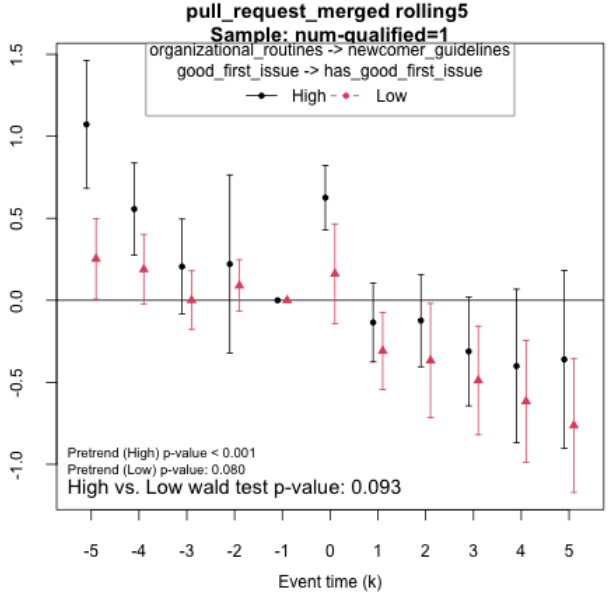

overall_new_release_count rolling5
Sample: num-qualified=1
organizational_routines -> newcomer_guidelines
contributing_guide -> has_contributing_guide
High
Low
Pretrend (High) p-value: 0.869
Pretrend (Low) p-value: 0.082
High vs. Low wald test p-value: 0.480
Event time (k)

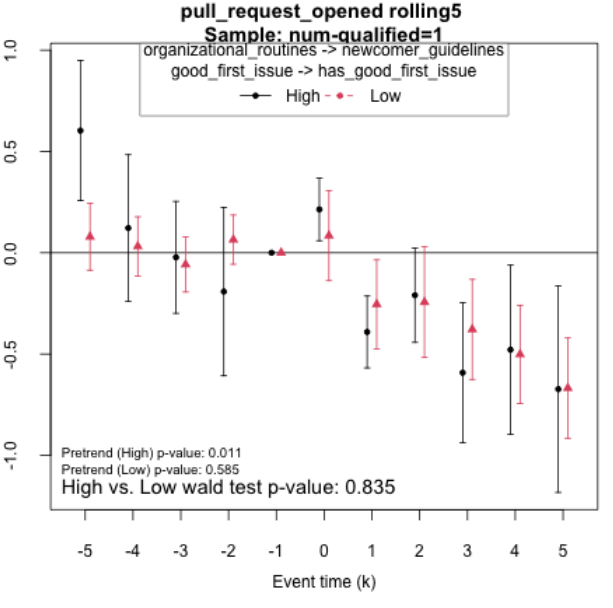

pull_request_merged rolling5
Sample: num-qualified=1
organizational_routines -> newcomer_guidelines
contributing_guide -> has_contributing_guide
High
Low
Pretrend (High) p-value: 0.633
Pretrend (Low) p-value: 0.072
High vs. Low wald test p-value: 0.355
Event time (k)

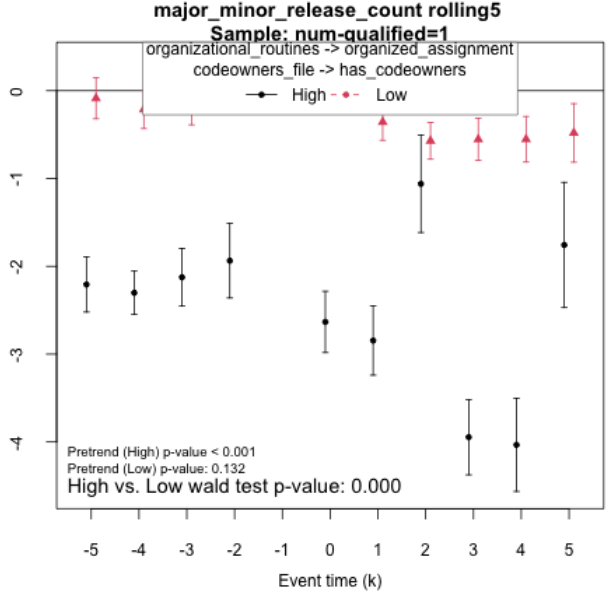

pull_request_opened rolling5
Sample: num-qualified=1
organizational_routines -> newcomer_guidelines
contributing_guide -> has_contributing_guide
High
Low
Pretrend (High) p-value: 0.829
Pretrend (Low) p-value: 0.579
High vs. Low wald test p-value: 0.212
Event time (k)

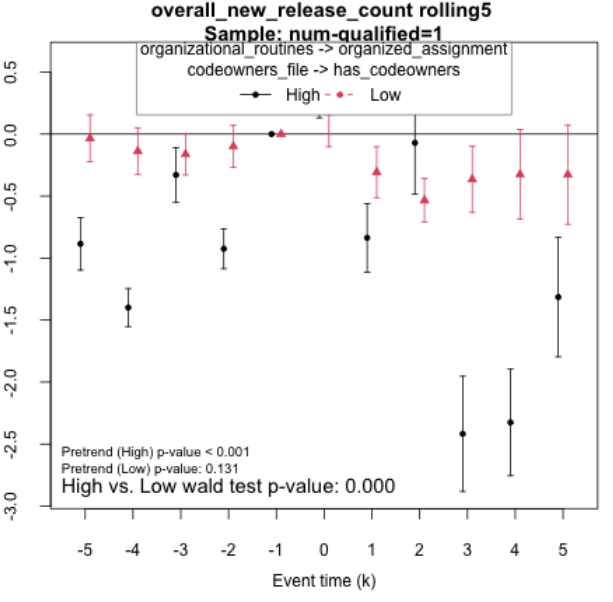

major_minor_release_count rolling5
Sample: num-qualified=1
organizational_routines -> newcomer_guidelines
good_first_issue -> has_good_first_issue
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.170
High vs. Low wald test p-value: 0.003
Event time (k)

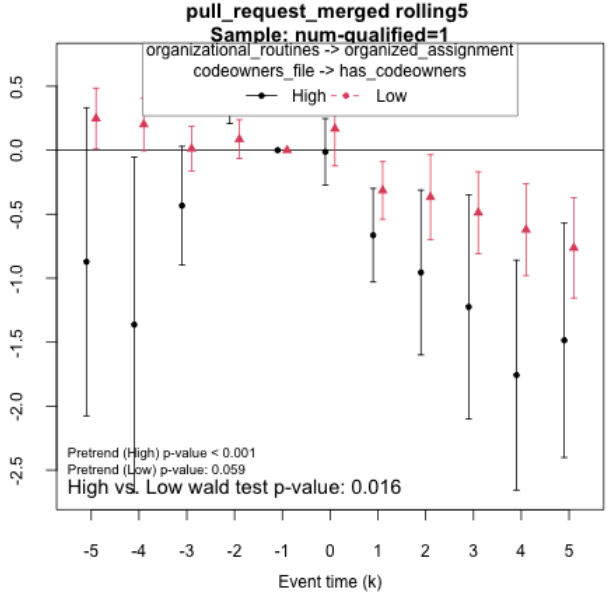

overall_new_release_count rolling5
Sample: num-qualified=1
organizational_routines -> newcomer_guidelines
good_first_issue -> has_good_first_issue
High
Low
Pretrend (High) p-value: 0.171
Pretrend (Low) p-value: 0.253
High vs. Low wald test p-value: 0.053
Event time (k)

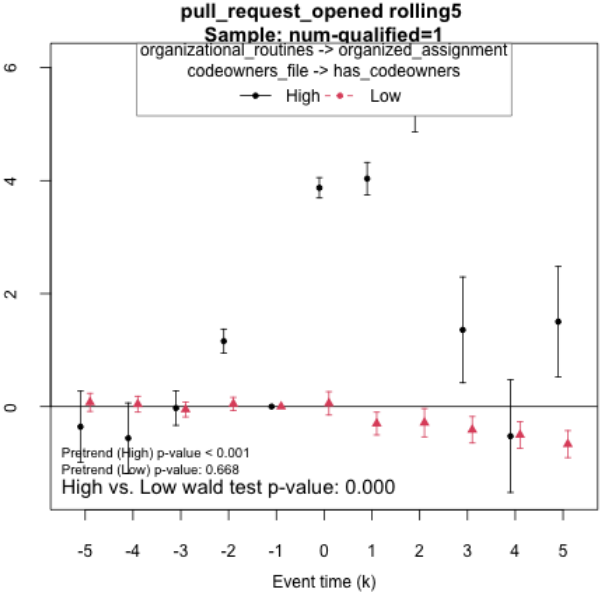

pull_request_merged rolling5
Sample: num-qualified=1
organizational_routines -> newcomer_guidelines
good_first_issue -> has_good_first_issue
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.080
High vs. Low wald test p-value: 0.093
Event time (k)

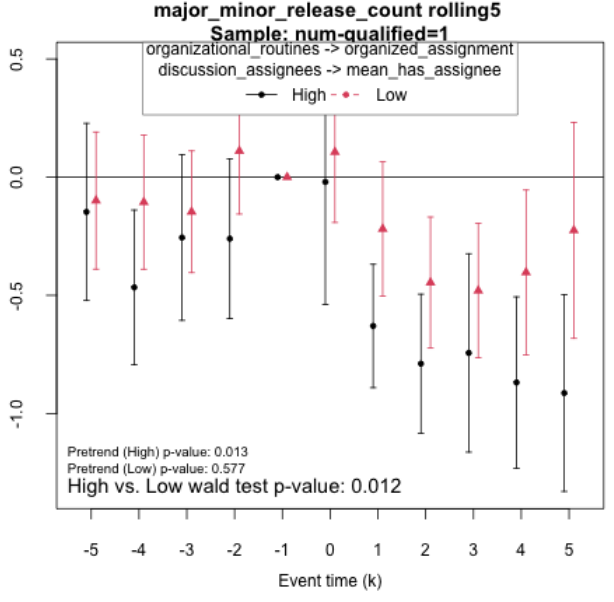

pull_request_opened rolling5
Sample: num-qualified=1
organizational_routines -> newcomer_guidelines
good_first_issue -> has_good_first_issue
High
Low
Pretrend (High) p-value: 0.011
Pretrend (Low) p-value: 0.585
High vs. Low wald test p-value: 0.835
Event time (k)

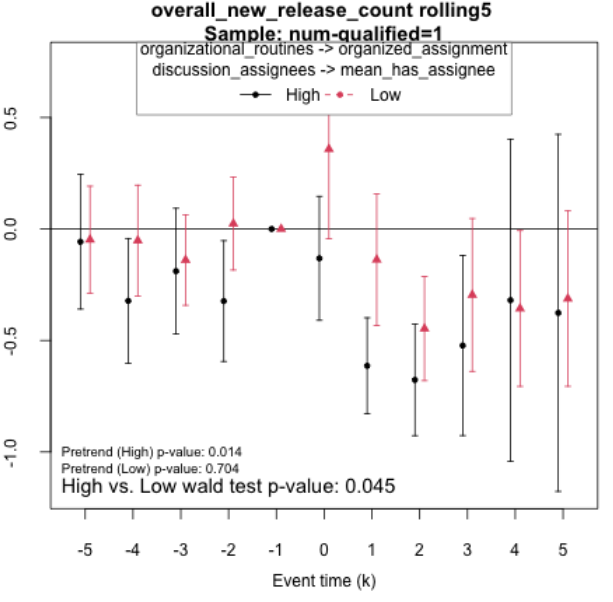

major_minor_release_count rolling5
Sample: num-qualified=1
organizational_routines -> organized_assignment
codeowners_file -> has_codeowners
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.132
High vs. Low wald test p-value: 0.000
Event time (k)

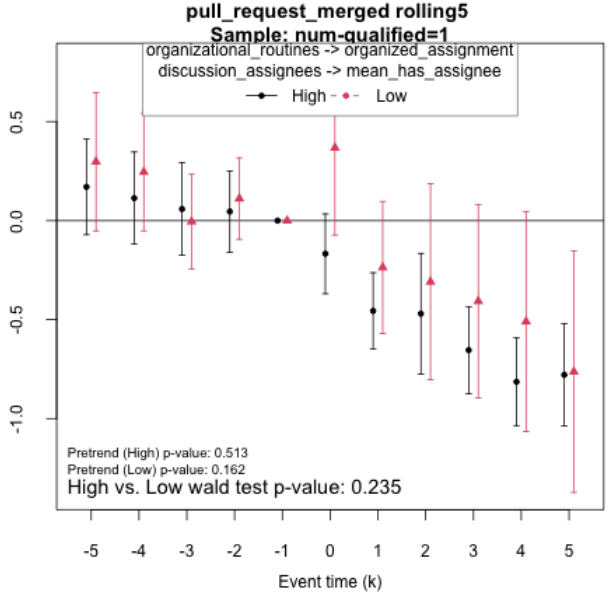

overall_new_release_count rolling5
Sample: num-qualified=1
organizational_routines -> organized_assignment
codeowners_file -> has_codeowners
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.131
High vs. Low wald test p-value: 0.000
Event time (k)

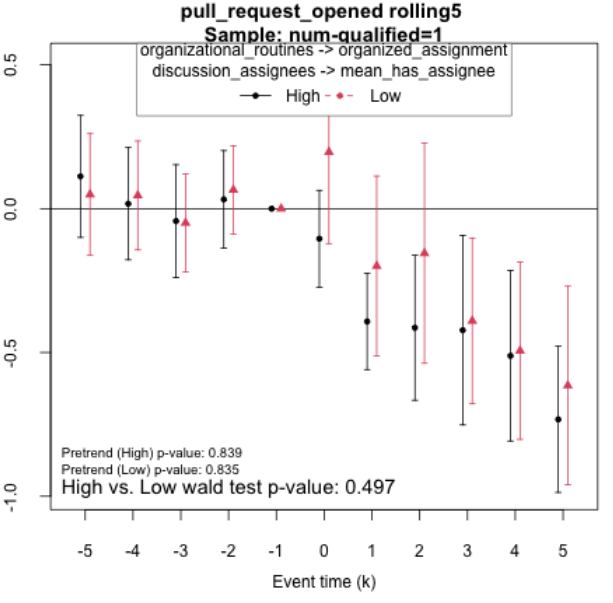

pull_request_merged rolling5
Sample: num-qualified=1
organizational_routines -> organized_assignment
codeowners_file -> has_codeowners
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.059
High vs. Low wald test p-value: 0.016
Event time (k)

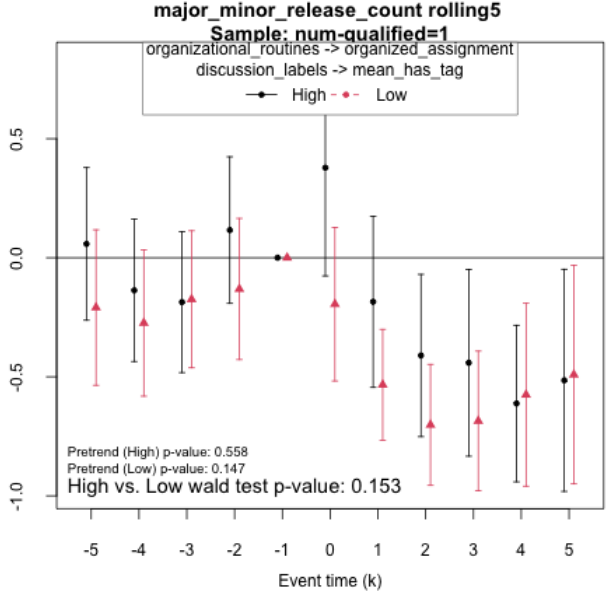

pull_request_opened rolling5
Sample: num-qualified=1
organizational_routines -> organized_assignment
codeowners_file -> has_codeowners
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.668
High vs. Low wald test p-value: 0.000
Event time (k)

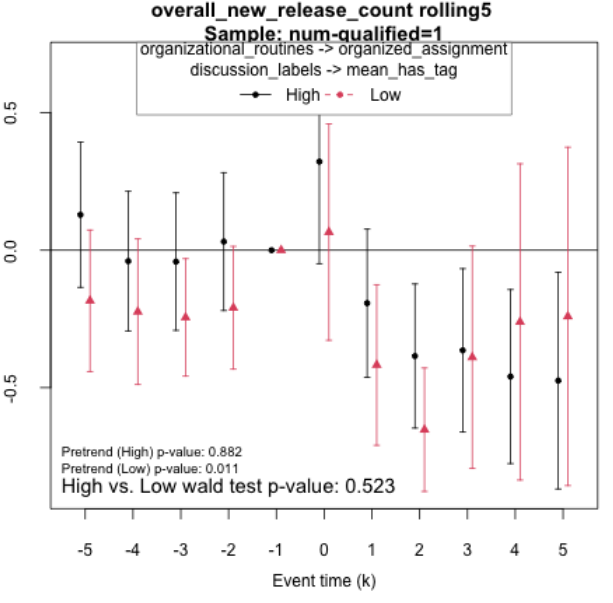

major_minor_release_count rolling5
Sample: num-qualified=1
organizational_routines -> organized_assignment
discussion_assignees -> mean_has_assignee
High
Low
Pretrend (High) p-value: 0.013
Pretrend (Low) p-value: 0.577
High vs. Low wald test p-value: 0.012
Event time (k)

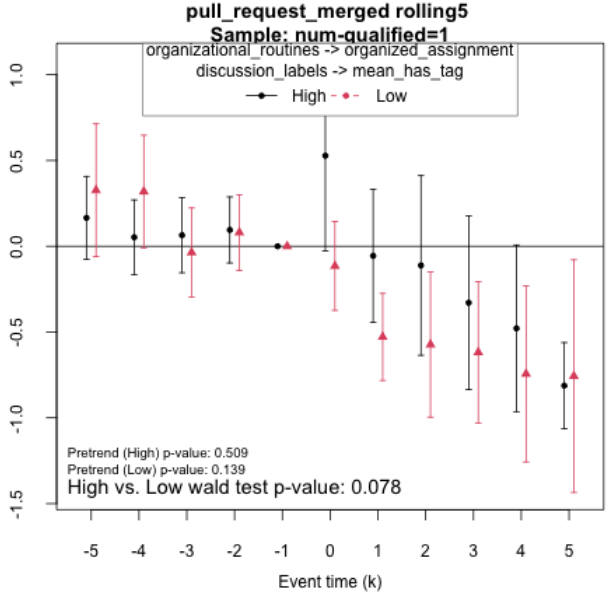

overall_new_release_count rolling5
Sample: num-qualified=1
organizational_routines -> organized_assignment
discussion_assignees -> mean_has_assignee
High
Low
Pretrend (High) p-value: 0.014
Pretrend (Low) p-value: 0.704
High vs. Low wald test p-value: 0.045
Event time (k)

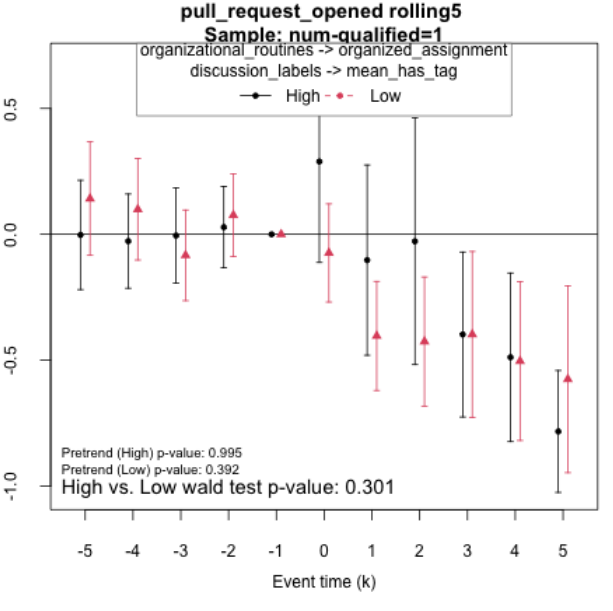

pull_request_merged rolling5
Sample: num-qualified=1
organizational_routines -> organized_assignment
discussion_assignees -> mean_has_assignee
High
Low
Pretrend (High) p-value: 0.513
Pretrend (Low) p-value: 0.162
High vs. Low wald test p-value: 0.235
Event time (k)

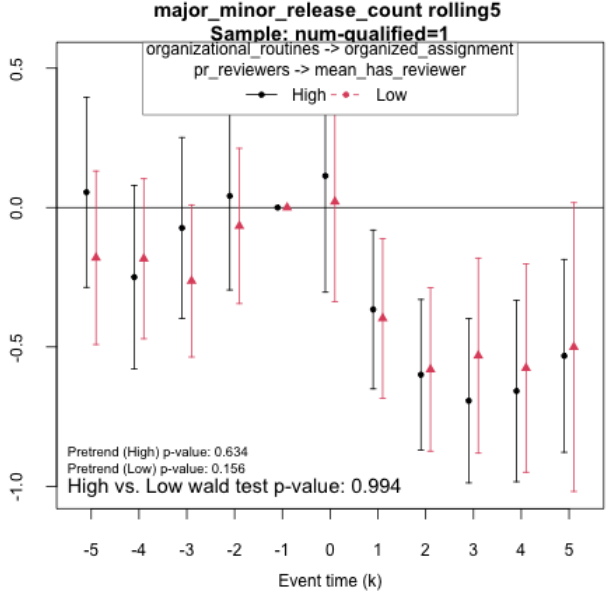

pull_request_opened rolling5
Sample: num-qualified=1
organizational_routines -> organized_assignment
discussion_assignees -> mean_has_assignee
High
Low
Pretrend (High) p-value: 0.839
Pretrend (Low) p-value: 0.835
High vs. Low wald test p-value: 0.497
Event time (k)

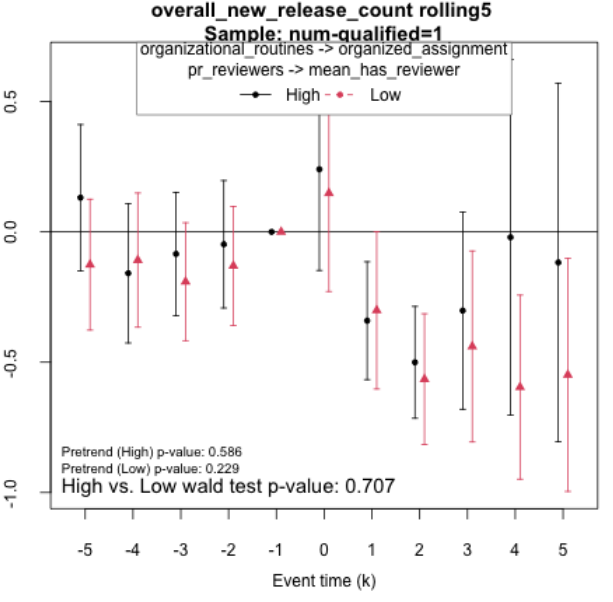

major_minor_release_count rolling5
Sample: num-qualified=1
organizational_routines -> organized_assignment
discussion_labels -> mean_has_tag
High
Low
Pretrend (High) p-value: 0.558
Pretrend (Low) p-value: 0.147
High vs. Low wald test p-value: 0.153
Event time (k)

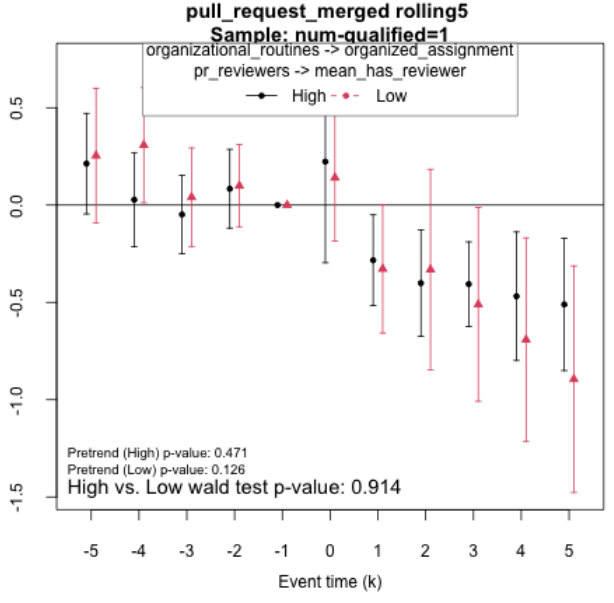

overall_new_release_count rolling5
Sample: num-qualified=1
organizational_routines -> organized_assignment
discussion_labels -> mean_has_tag
High
Low
Pretrend (High) p-value: 0.882
Pretrend (Low) p-value: 0.011
High vs. Low wald test p-value: 0.523
Event time (k)

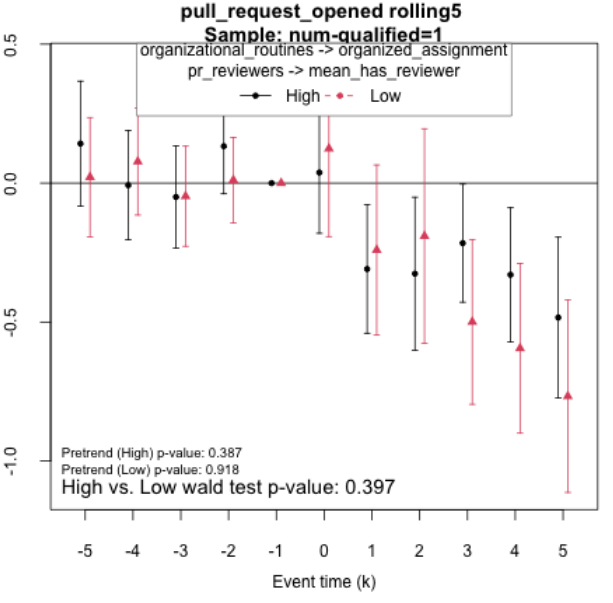

pull_request_merged rolling5
Sample: num-qualified=1
organizational_routines -> organized_assignment
discussion_labels -> mean_has_tag
High
Low
Pretrend (High) p-value: 0.509
Pretrend (Low) p-value: 0.139
High vs. Low wald test p-value: 0.078
Event time (k)

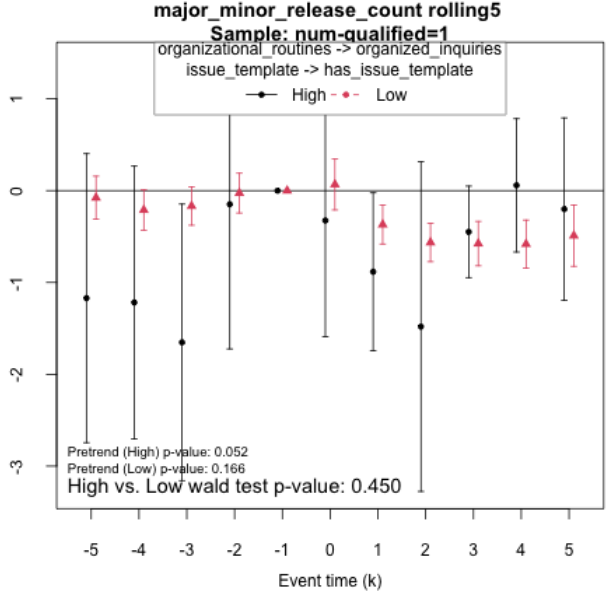

pull_request_opened rolling5
Sample: num-qualified=1
organizational_routines -> organized_assignment
discussion_labels -> mean_has_tag
High
Low
Pretrend (High) p-value: 0.995
Pretrend (Low) p-value: 0.392
High vs. Low wald test p-value: 0.301
Event time (k)

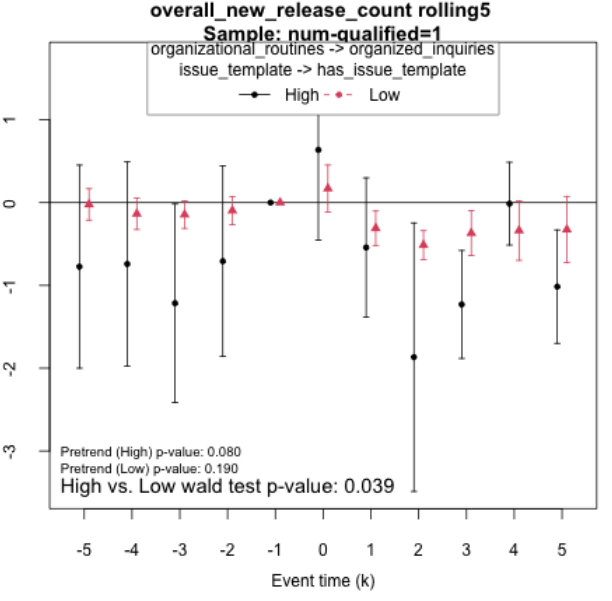

major_minor_release_count rolling5
Sample: num-qualified=1
organizational_routines -> organized_assignment
pr_reviewers -> mean_has_reviewer
High
Low
Pretrend (High) p-value: 0.634
Pretrend (Low) p-value: 0.156
High vs. Low wald test p-value: 0.994
Event time (k)

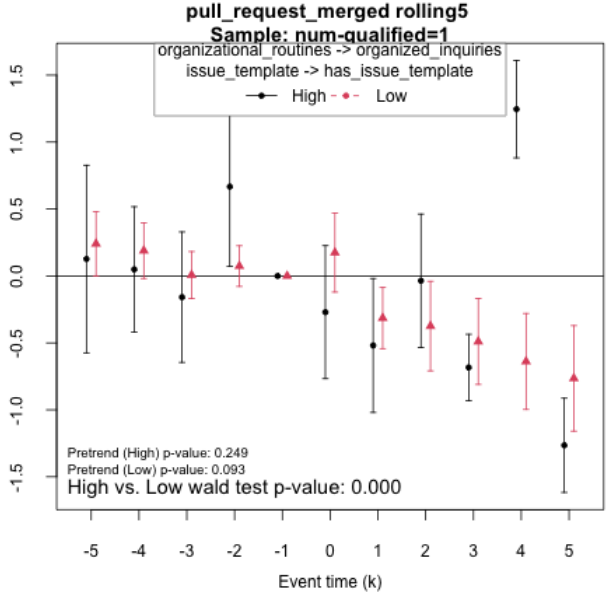

overall_new_release_count rolling5
Sample: num-qualified=1
organizational_routines -> organized_assignment
pr_reviewers -> mean_has_reviewer
High
Low
Pretrend (High) p-value: 0.586
Pretrend (Low) p-value: 0.229
High vs. Low wald test p-value: 0.707
Event time (k)

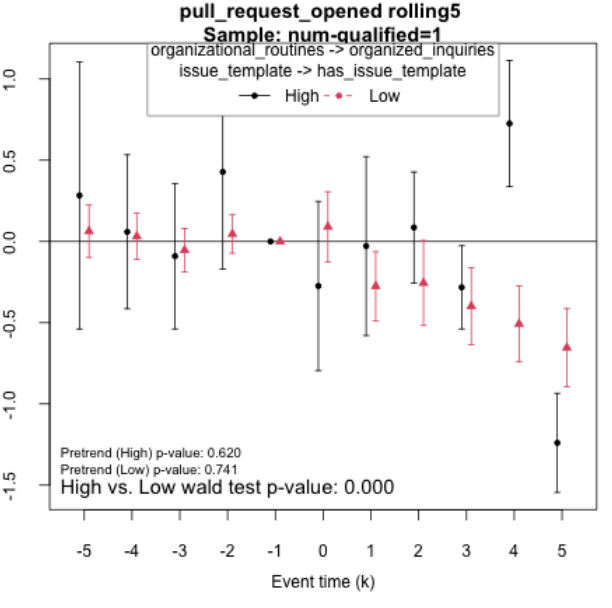

pull_request_merged rolling5
Sample: num-qualified=1
organizational_routines -> organized_assignment
pr_reviewers -> mean_has_reviewer
High
Low
Pretrend (High) p-value: 0.471
Pretrend (Low) p-value: 0.126
High vs. Low wald test p-value: 0.914
Event time (k)

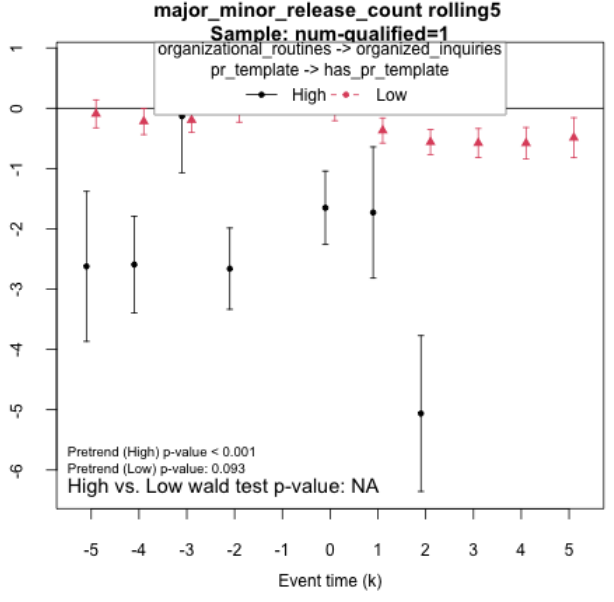

pull_request_opened rolling5
Sample: num-qualified=1
organizational_routines -> organized_assignment
pr_reviewers -> mean_has_reviewer
High
Low
Pretrend (High) p-value: 0.387
Pretrend (Low) p-value: 0.918
High vs. Low wald test p-value: 0.397
Event time (k)

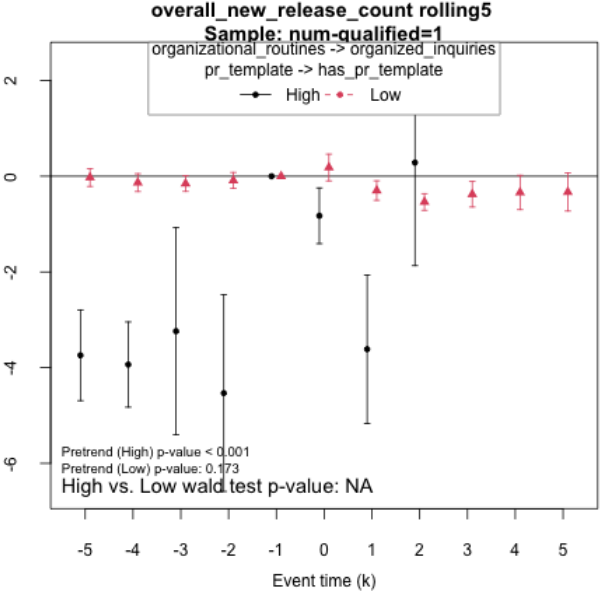

major_minor_release_count rolling5
Sample: num-qualified=1
organizational_routines -> organized_inquiries
issue_template -> has_issue_template
High
Low
Pretrend (High) p-value: 0.052
Pretrend (Low) p-value: 0.166
High vs. Low wald test p-value: 0.450
Event time (k)

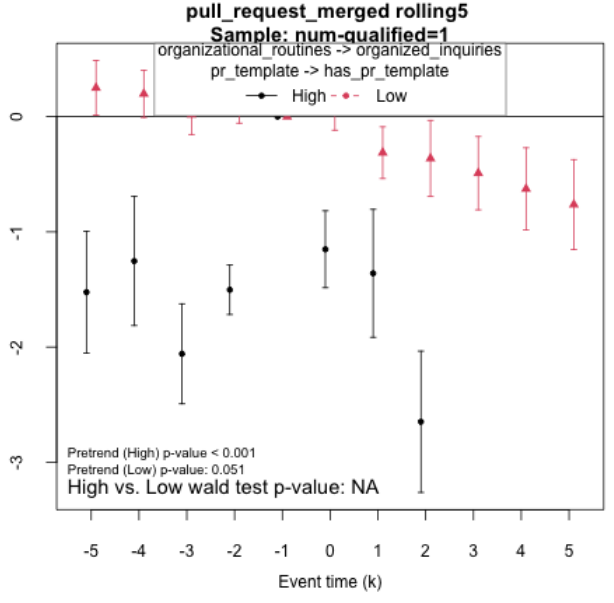

overall_new_release_count rolling5
Sample: num-qualified=1
organizational_routines -> organized_inquiries
issue_template -> has_issue_template
High
Low
Pretrend (High) p-value: 0.080
Pretrend (Low) p-value: 0.190
High vs. Low wald test p-value: 0.039
Event time (k)

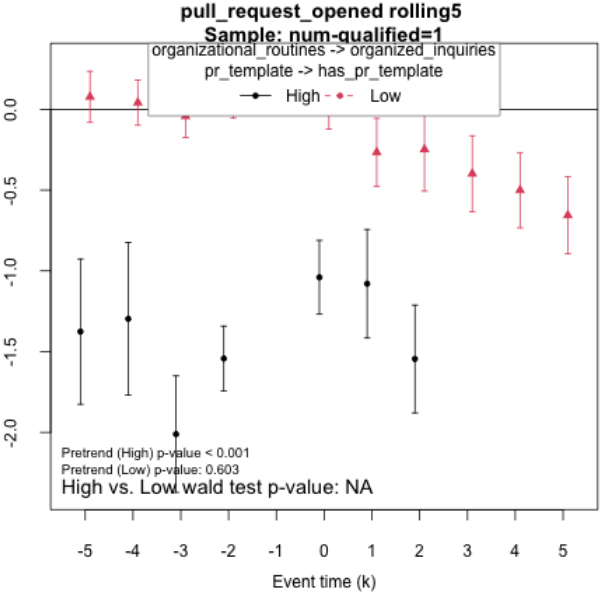

pull_request_merged rolling5
Sample: num-qualified=1
organizational_routines -> organized_inquiries
issue_template -> has_issue_template
High
Low
Pretrend (High) p-value: 0.249
Pretrend (Low) p-value: 0.093
High vs. Low wald test p-value: 0.000
Event time (k)

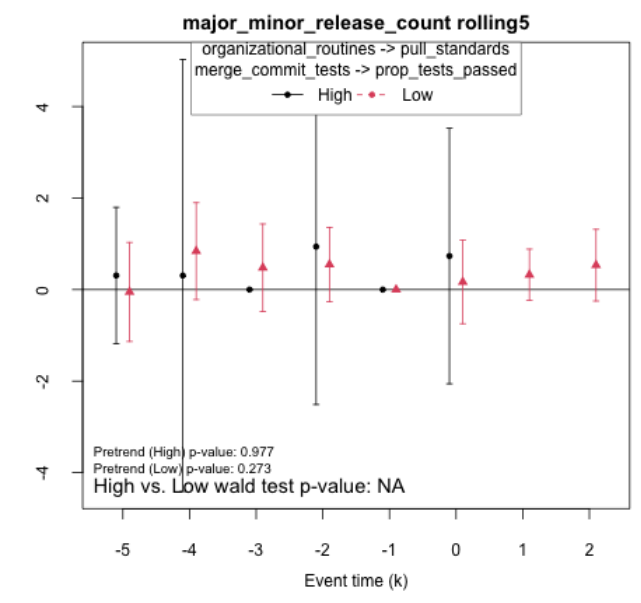

pull_request_opened rolling5
Sample: num-qualified=1
organizational_routines -> organized_inquiries
issue_template -> has_issue_template
High
Low
Pretrend (High) p-value: 0.620
Pretrend (Low) p-value: 0.741
High vs. Low wald test p-value: 0.000
Event time (k)

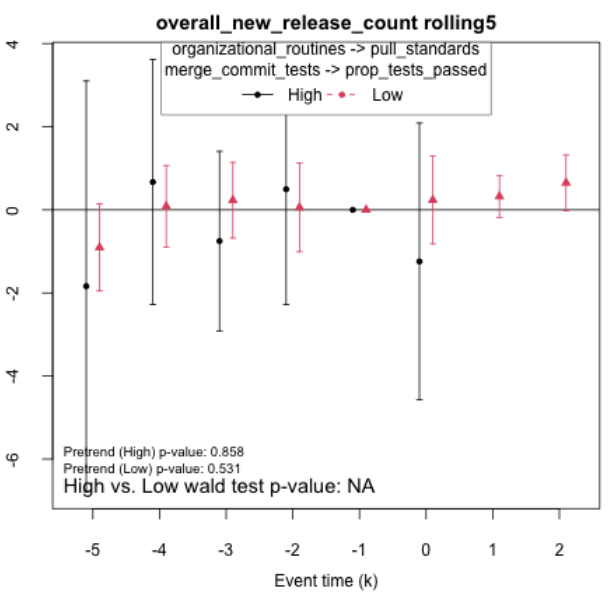

major_minor_release_count rolling5
Sample: num-qualified=1
organizational_routines -> organized_inquiries
pr_template -> has_pr_template
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.093
High vs. Low wald test p-value: NA
Event time (k)

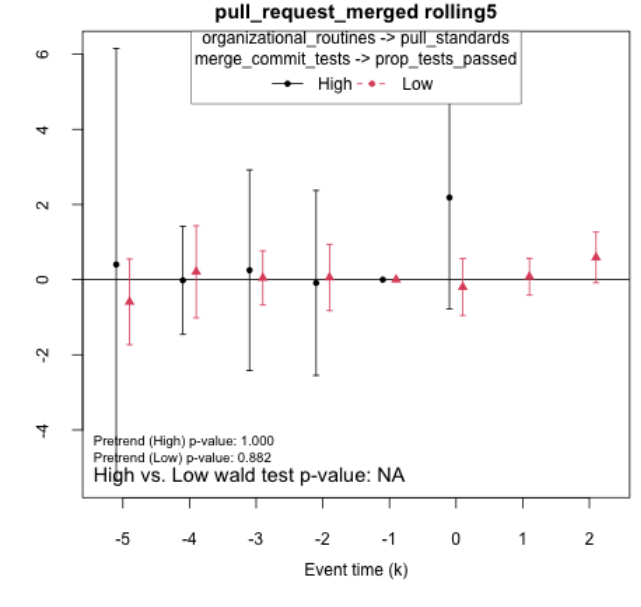

overall_new_release_count rolling5
Sample: num-qualified=1
organizational_routines -> organized_inquiries
pr_template -> has_pr_template
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.173
High vs. Low wald test p-value: NA
Event time (k)

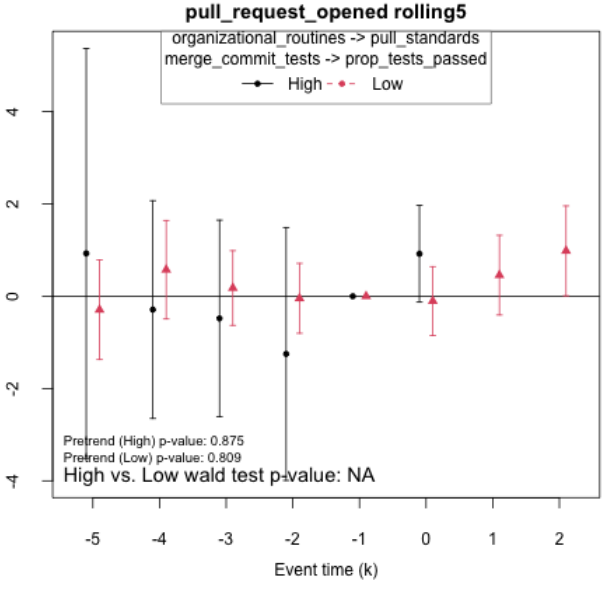

pull_request_merged rolling5
Sample: num-qualified=1
organizational_routines -> organized_inquiries
pr_template -> has_pr_template
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.051
High vs. Low wald test p-value: NA
Event time (k)

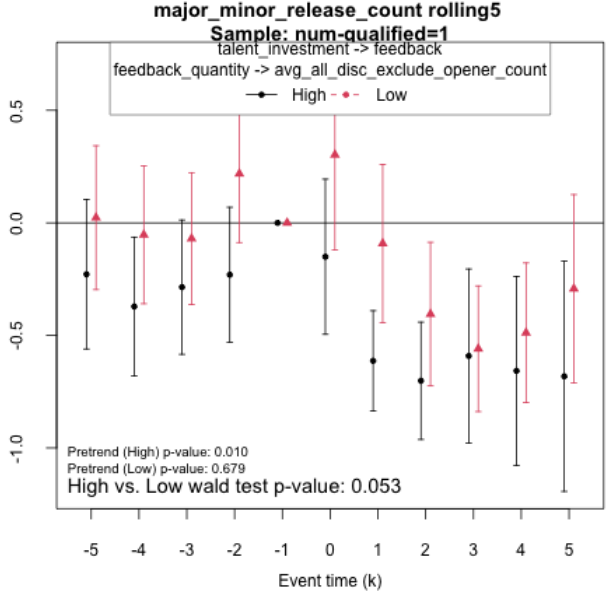

pull_request_opened rolling5
Sample: num-qualified=1
organizational_routines -> organized_inquiries
pr_template -> has_pr_template
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.603
High vs. Low wald test p-value: NA
Event time (k)

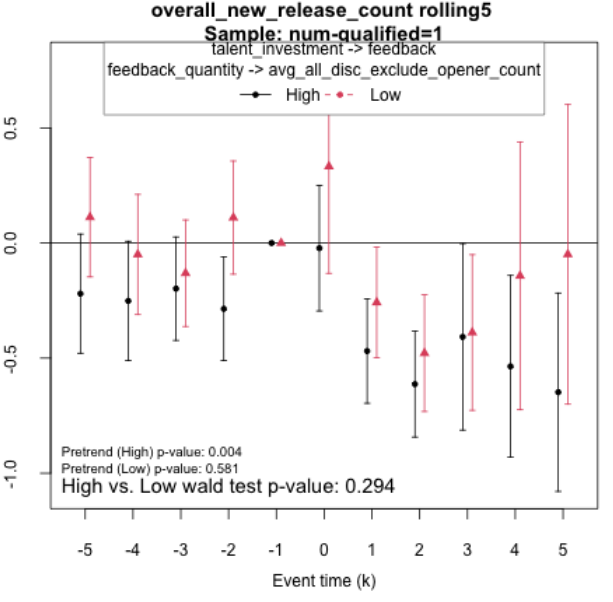

major_minor_release_count rolling5
organizational_routines -> pull_standards
merge_commit_tests -> prop_tests_passed
High
Low
Pretrend (High) p-value: 0.977
Pretrend (Low) p-value: 0.273
High vs. Low wald test p-value: NA
Event time (k)

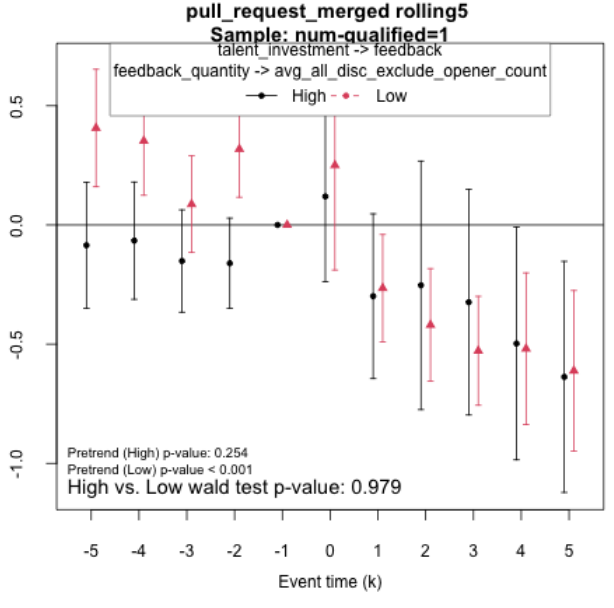

overall_new_release_count rolling5
organizational_routines -> pull_standards
merge_commit_tests -> prop_tests_passed
High
Low
Pretrend (High) p-value: 0.858
Pretrend (Low) p-value: 0.531
High vs. Low wald test p-value: NA
Event time (k)

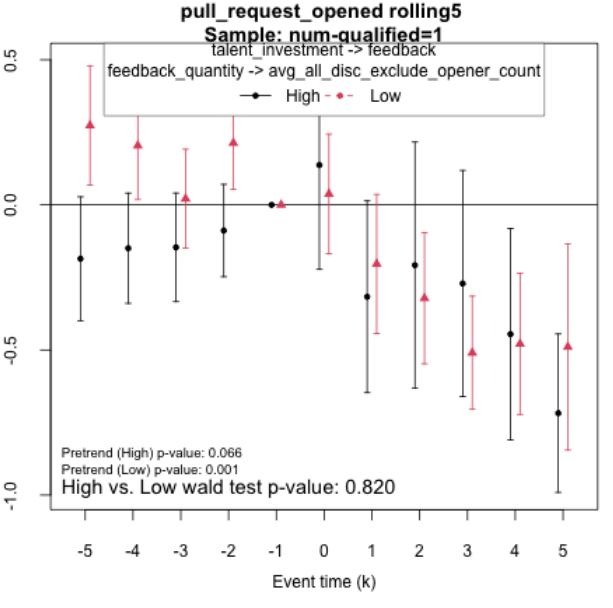

pull_request_merged rolling5
organizational_routines -> pull_standards
merge_commit_tests -> prop_tests_passed
High
Low
Pretrend (High) p-value: 1.000
Pretrend (Low) p-value: 0.882
High vs. Low wald test p-value: NA
Event time (k)

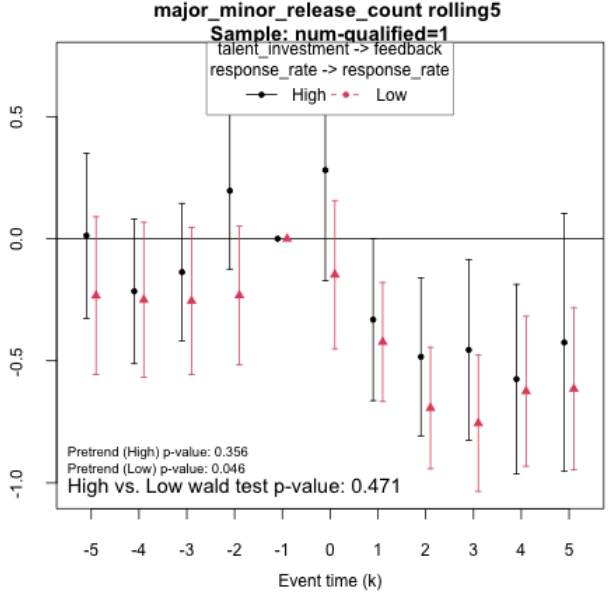

pull_request_opened rolling5
organizational_routines -> pull_standards
merge_commit_tests -> prop_tests_passed
High
Low
Pretrend (High) p-value: 0.875
Pretrend (Low) p-value: 0.809
High vs. Low wald test p-value: NA
Event time (k)

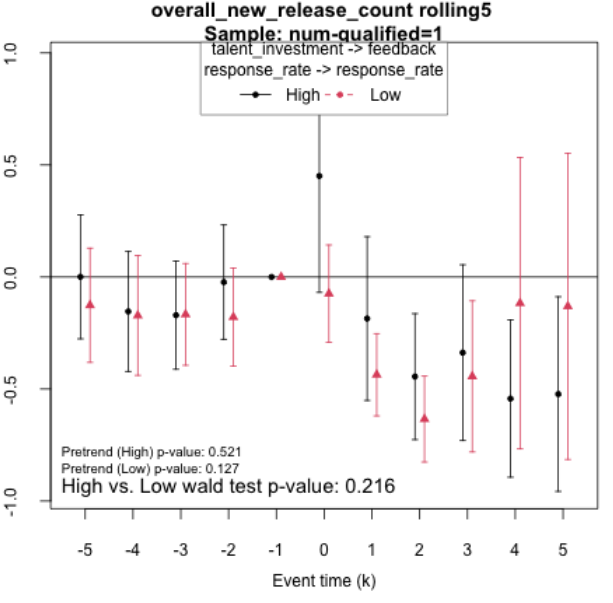

major_minor_release_count rolling5
Sample: num-qualified=1
talent_investment -> feedback
feedback_quantity -> avg_all_disc_exclude_opener_count
High
Low
Pretrend (High) p-value: 0.010
Pretrend (Low) p-value: 0.679
High vs. Low wald test p-value: 0.053
Event time (k)

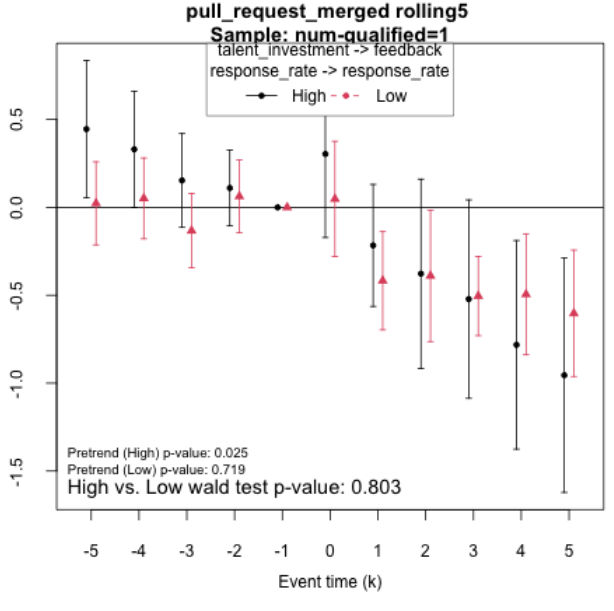

overall_new_release_count rolling5
Sample: num-qualified=1
talent_investment -> feedback
feedback_quantity -> avg_all_disc_exclude_opener_count
High
Low
Pretrend (High) p-value: 0.004
Pretrend (Low) p-value: 0.581
High vs. Low wald test p-value: 0.294
Event time (k)

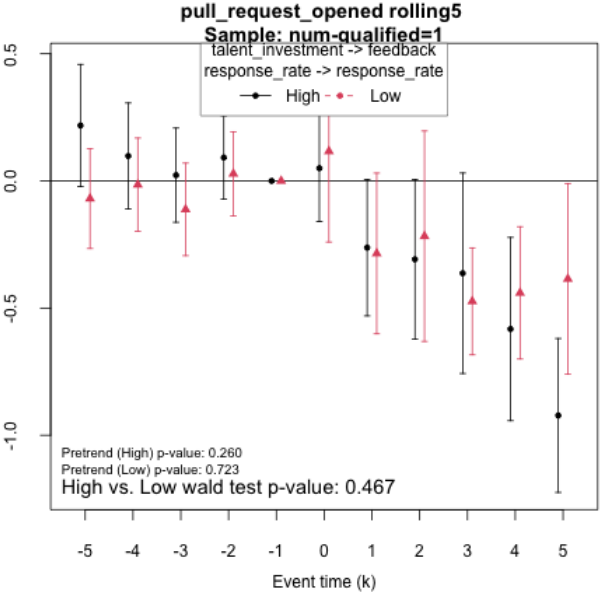

pull_request_merged rolling5
Sample: num-qualified=1
talent_investment -> feedback
feedback_quantity -> avg_all_disc_exclude_opener_count
High
Low
Pretrend (High) p-value: 0.254
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.979
Event time (k)

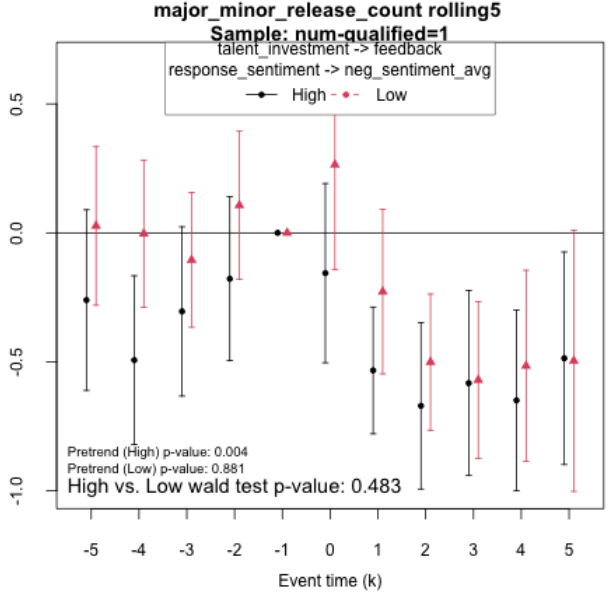

pull_request_opened rolling5
Sample: num-qualified=1
talent_investment -> feedback
feedback_quantity -> avg_all_disc_exclude_opener_count
High
Low
Pretrend (High) p-value: 0.066
Pretrend (Low) p-value: 0.001
High vs. Low wald test p-value: 0.820
Event time (k)

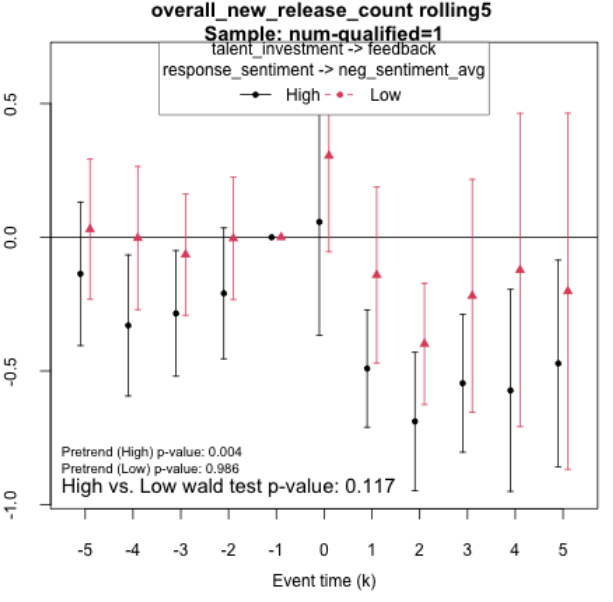

major_minor_release_count rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_rate -> response_rate
High
Low
Pretrend (High) p-value: 0.356
Pretrend (Low) p-value: 0.046
High vs. Low wald test p-value: 0.471
Event time (k)

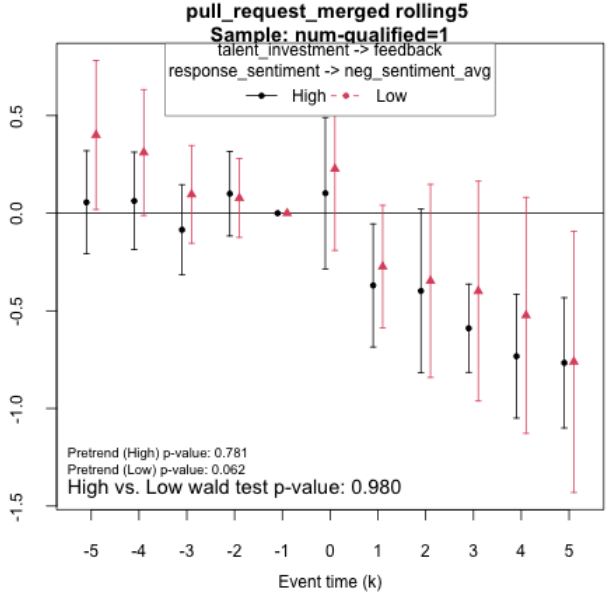

overall_new_release_count rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_rate -> response_rate
High
Low
Pretrend (High) p-value: 0.521
Pretrend (Low) p-value: 0.127
High vs. Low wald test p-value: 0.216
Event time (k)

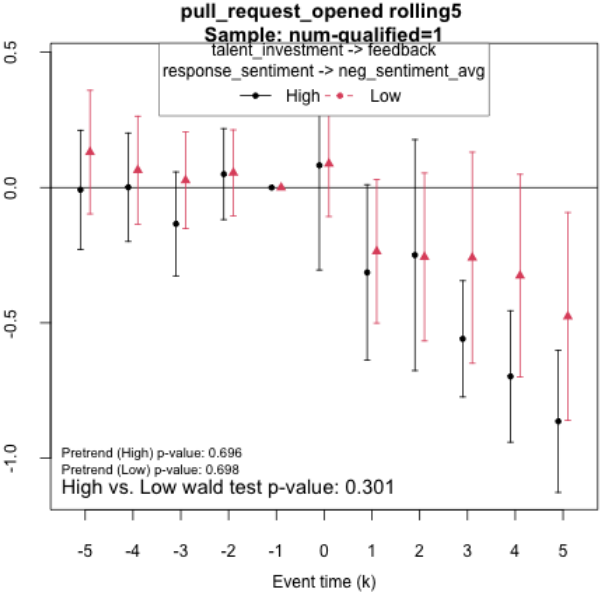

pull_request_merged rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_rate -> response_rate
High
Low
Pretrend (High) p-value: 0.025
Pretrend (Low) p-value: 0.719
High vs. Low wald test p-value: 0.803
Event time (k)

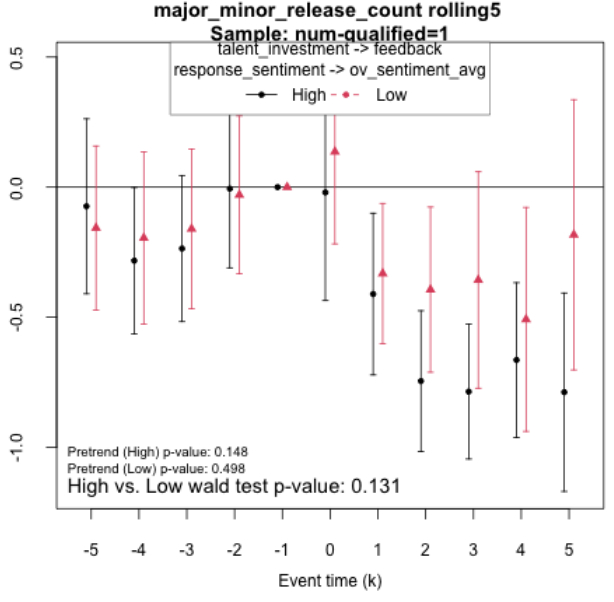

pull_request_opened rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_rate -> response_rate
High
Low
Pretrend (High) p-value: 0.260
Pretrend (Low) p-value: 0.723
High vs. Low wald test p-value: 0.467
Event time (k)

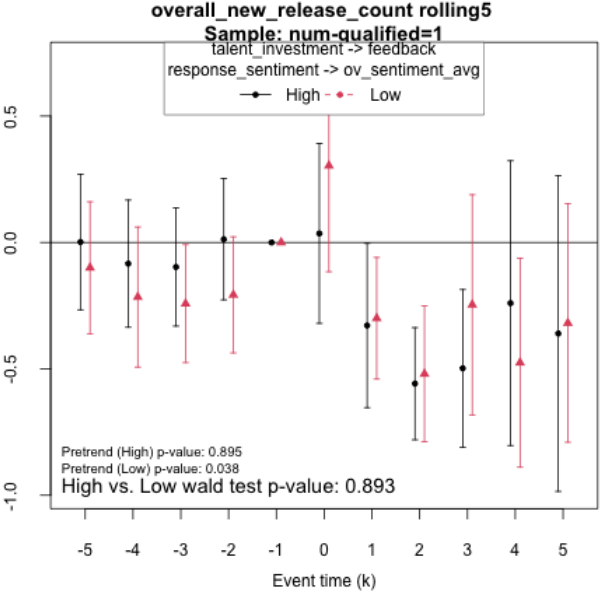

major_minor_release_count rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_sentiment -> neg_sentiment_avg
High
Low
Pretrend (High) p-value: 0.004
Pretrend (Low) p-value: 0.881
High vs. Low wald test p-value: 0.483
Event time (k)

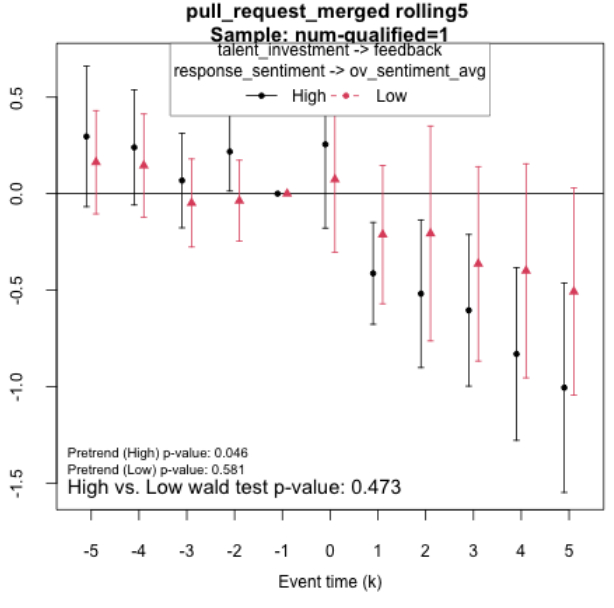

overall_new_release_count rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_sentiment -> neg_sentiment_avg
High
Low
Pretrend (High) p-value: 0.004
Pretrend (Low) p-value: 0.986
High vs. Low wald test p-value: 0.117
Event time (k)

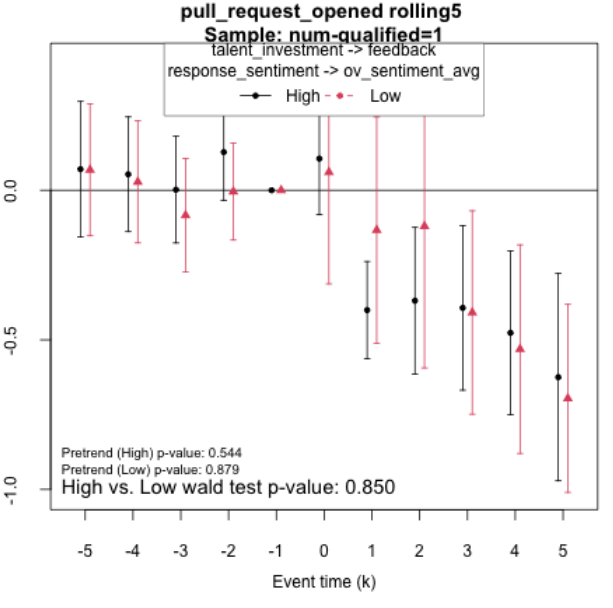

pull_request_merged rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_sentiment -> neg_sentiment_avg
High
Low
Pretrend (High) p-value: 0.781
Pretrend (Low) p-value: 0.062
High vs. Low wald test p-value: 0.980
Event time (k)

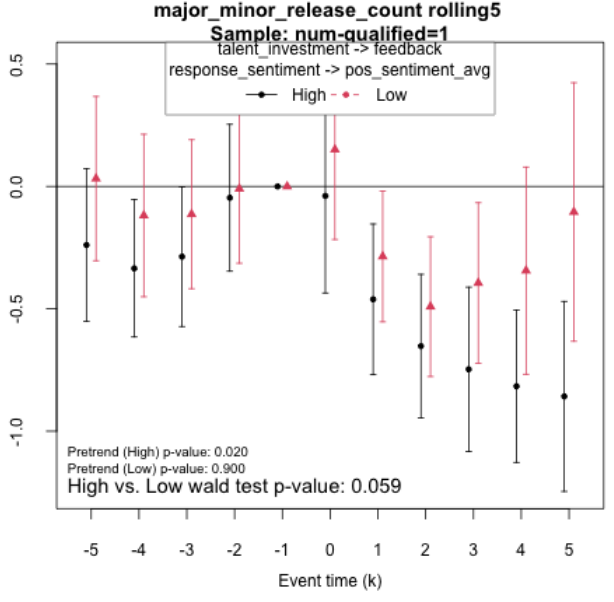

pull_request_opened rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_sentiment -> neg_sentiment_avg
High
Low
Pretrend (High) p-value: 0.696
Pretrend (Low) p-value: 0.698
High vs. Low wald test p-value: 0.301
Event time (k)

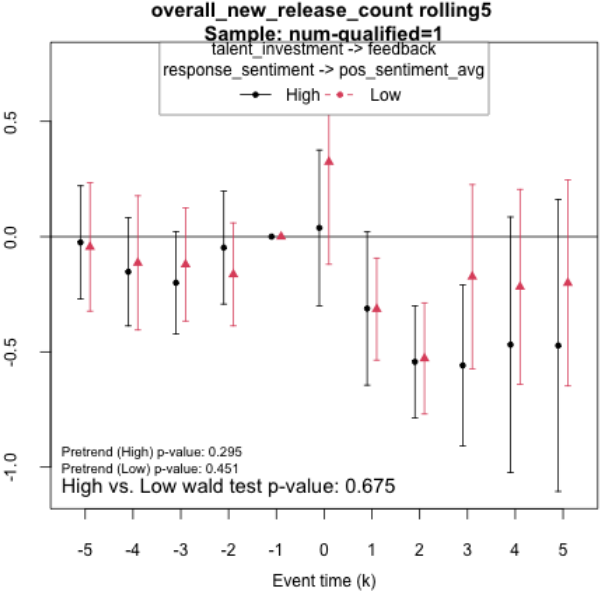

major_minor_release_count rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_sentiment -> ov_sentiment_avg
High
Low
Pretrend (High) p-value: 0.148
Pretrend (Low) p-value: 0.498
High vs. Low wald test p-value: 0.131
Event time (k)

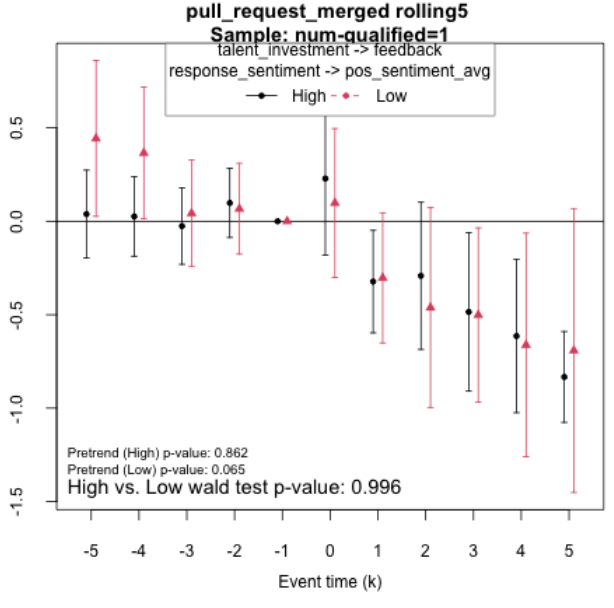

overall_new_release_count rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_sentiment -> ov_sentiment_avg
High
Low
Pretrend (High) p-value: 0.895
Pretrend (Low) p-value: 0.038
High vs. Low wald test p-value: 0.893
Event time (k)

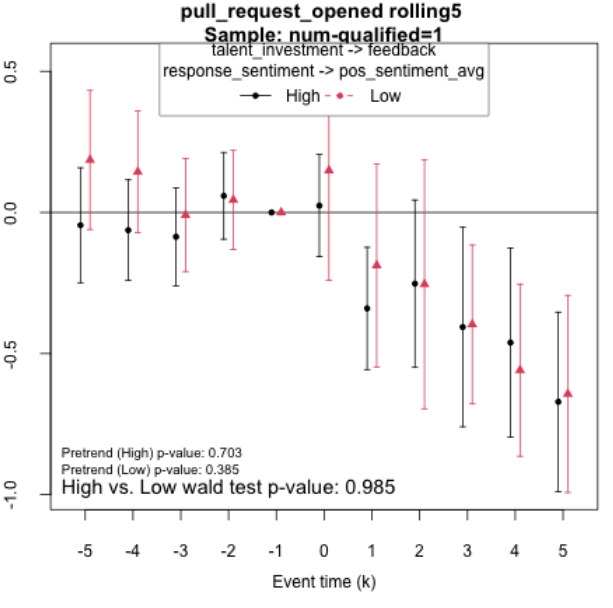

pull_request_merged rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_sentiment -> ov_sentiment_avg
High
Low
Pretrend (High) p-value: 0.046
Pretrend (Low) p-value: 0.581
High vs. Low wald test p-value: 0.473
Event time (k)

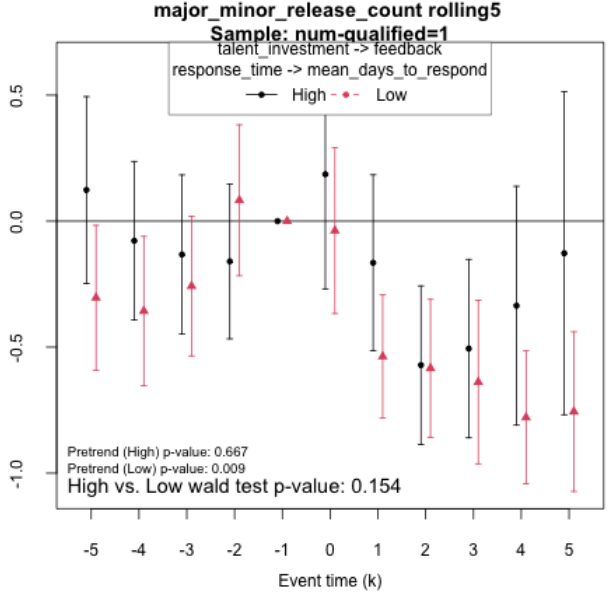

pull_request_opened rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_sentiment -> ov_sentiment_avg
High
Low
Pretrend (High) p-value: 0.544
Pretrend (Low) p-value: 0.879
High vs. Low wald test p-value: 0.850
Event time (k)

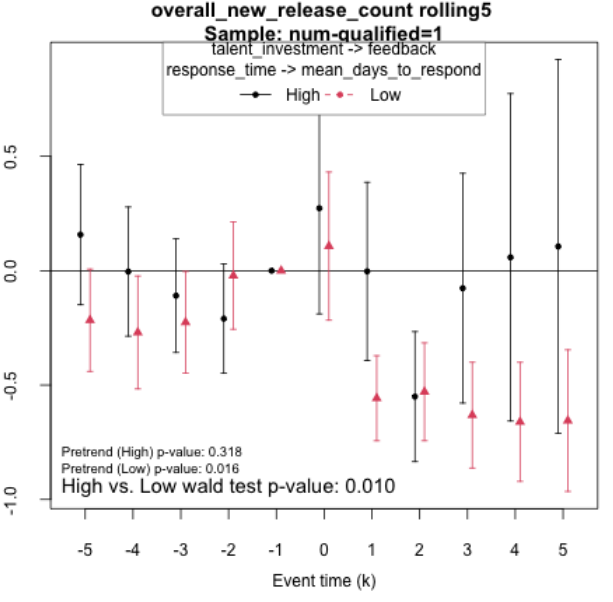

major_minor_release_count rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_sentiment -> pos_sentiment_avg
High
Low
Pretrend (High) p-value: 0.020
Pretrend (Low) p-value: 0.900
High vs. Low wald test p-value: 0.059
Event time (k)

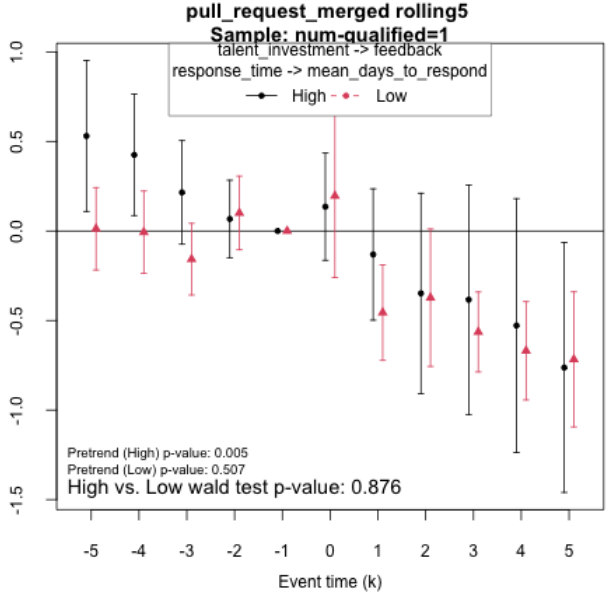

overall_new_release_count rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_sentiment -> pos_sentiment_avg
High
Low
Pretrend (High) p-value: 0.295
Pretrend (Low) p-value: 0.451
High vs. Low wald test p-value: 0.675
Event time (k)

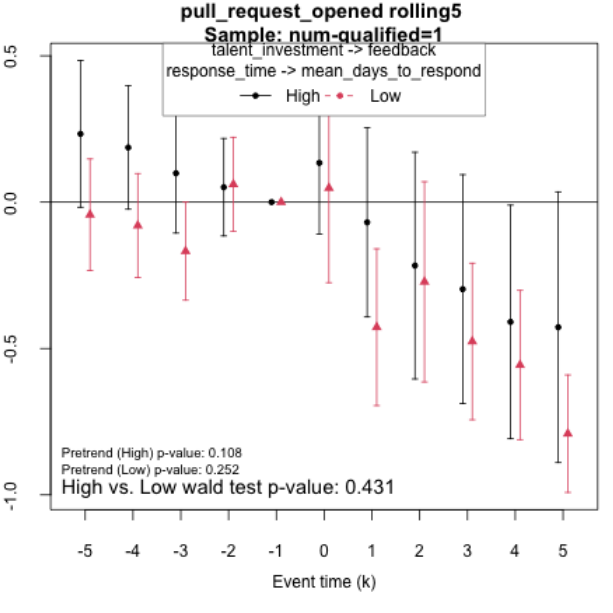

pull_request_merged rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_sentiment -> pos_sentiment_avg
High
Low
Pretrend (High) p-value: 0.862
Pretrend (Low) p-value: 0.065
High vs. Low wald test p-value: 0.996
Event time (k)

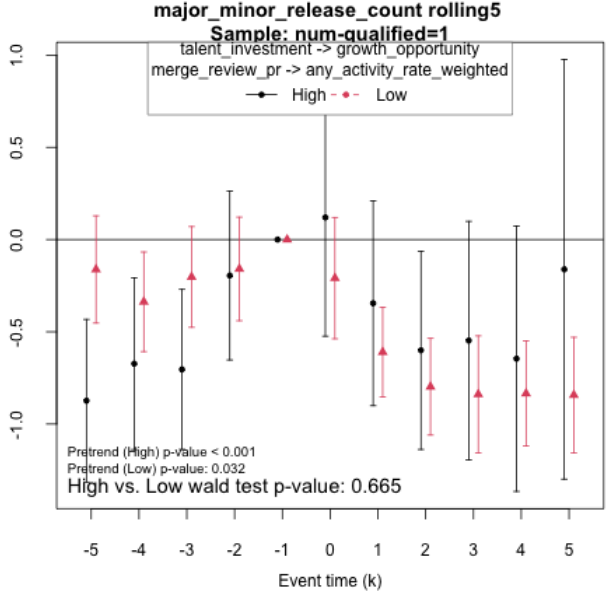

pull_request_opened rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_sentiment -> pos_sentiment_avg
High
Low
Pretrend (High) p-value: 0.703
Pretrend (Low) p-value: 0.385
High vs. Low wald test p-value: 0.985
Event time (k)

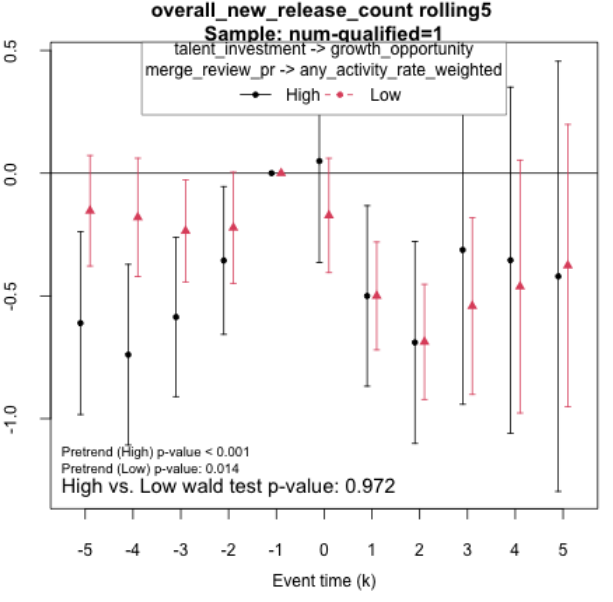

major_minor_release_count rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_time -> mean_days_to_respond
High
Low
Pretrend (High) p-value: 0.667
Pretrend (Low) p-value: 0.009
High vs. Low wald test p-value: 0.154
Event time (k)

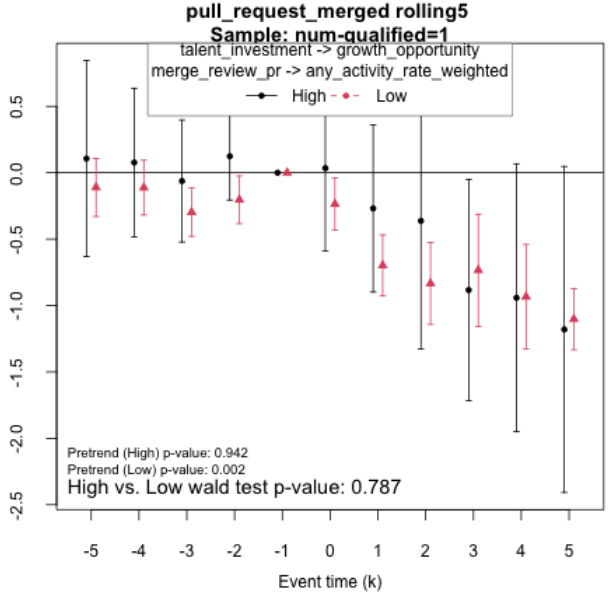

overall_new_release_count rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_time -> mean_days_to_respond
High
Low
Pretrend (High) p-value: 0.318
Pretrend (Low) p-value: 0.016
High vs. Low wald test p-value: 0.010
Event time (k)

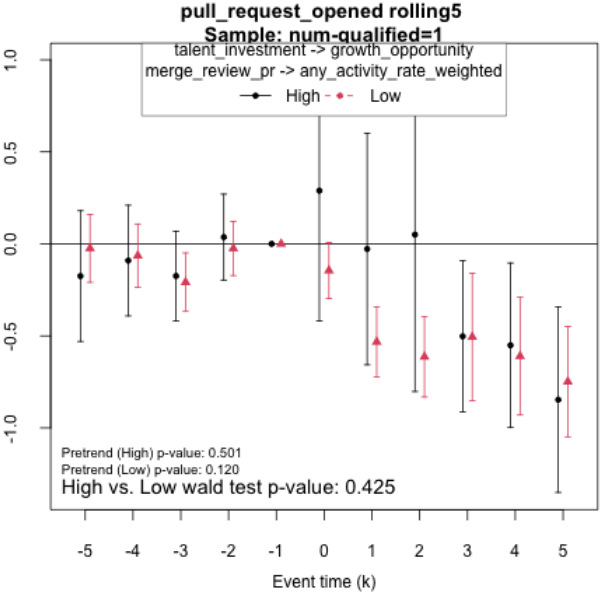

pull_request_merged rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_time -> mean_days_to_respond
High
Low
Pretrend (High) p-value: 0.005
Pretrend (Low) p-value: 0.507
High vs. Low wald test p-value: 0.876
Event time (k)

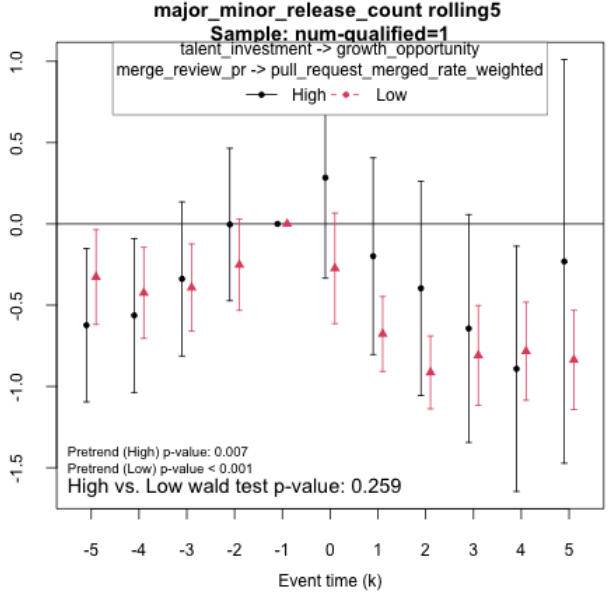

pull_request_opened rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_time -> mean_days_to_respond
High
Low
Pretrend (High) p-value: 0.108
Pretrend (Low) p-value: 0.252
High vs. Low wald test p-value: 0.431
Event time (k)

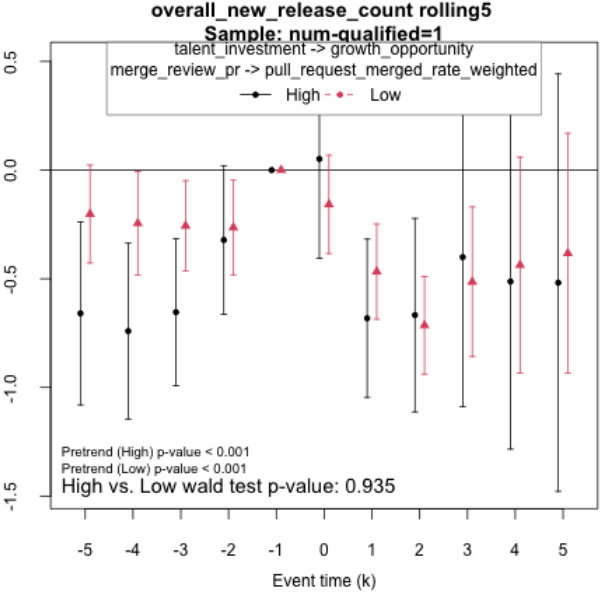

major_minor_release_count rolling5
Sample: num-qualified=1
talent_investment -> growth_opportunity
merge_review_pr -> any_activity_rate_weighted
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.032
High vs. Low wald test p-value: 0.665
Event time (k)

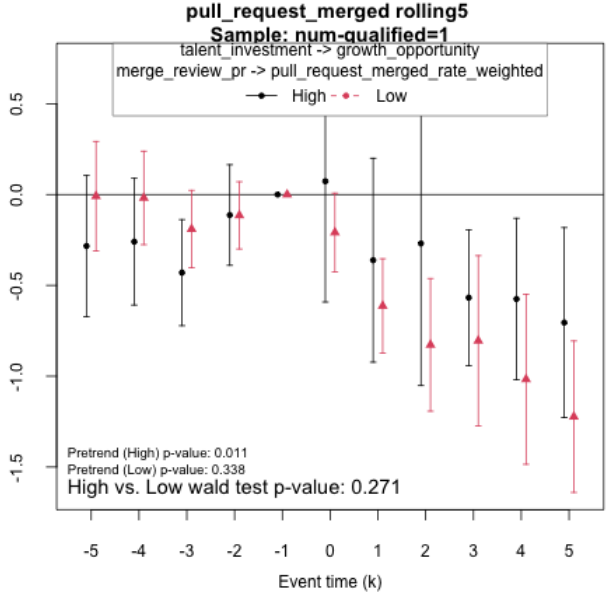

overall_new_release_count rolling5
Sample: num-qualified=1
talent_investment -> growth_opportunity
merge_review_pr -> any_activity_rate_weighted
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.014
High vs. Low wald test p-value: 0.972
Event time (k)

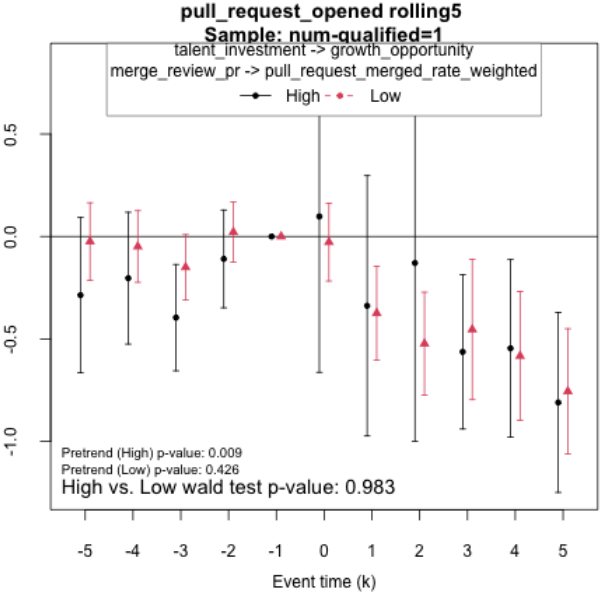

pull_request_merged rolling5
Sample: num-qualified=1
talent_investment -> growth_opportunity
merge_review_pr -> any_activity_rate_weighted
High
Low
Pretrend (High) p-value: 0.942
Pretrend (Low) p-value: 0.002
High vs. Low wald test p-value: 0.787
Event time (k)

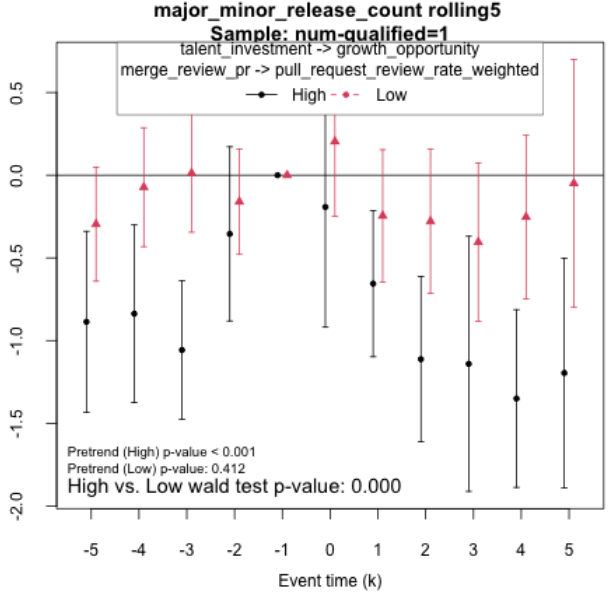

pull_request_opened rolling5
Sample: num-qualified=1
talent_investment -> growth_opportunity
merge_review_pr -> any_activity_rate_weighted
High
Low
Pretrend (High) p-value: 0.501
Pretrend (Low) p-value: 0.120
High vs. Low wald test p-value: 0.425
Event time (k)

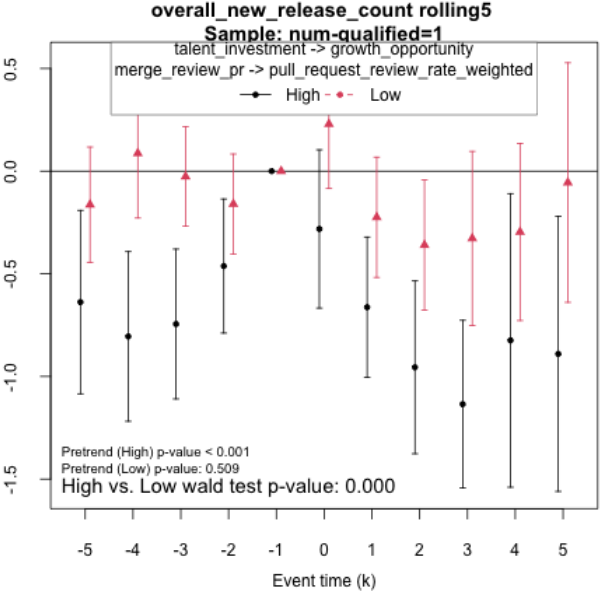

major_minor_release_count rolling5
Sample: num-qualified=1
talent_investment -> growth_opportunity
merge_review_pr -> pull_request_merged_rate_weighted
High
Low
Pretrend (High) p-value: 0.007
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.259
Event time (k)

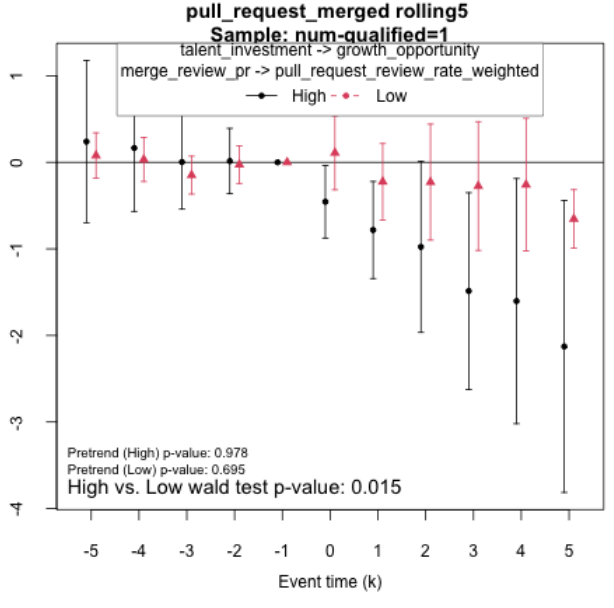

overall_new_release_count rolling5
Sample: num-qualified=1
talent_investment -> growth_opportunity
merge_review_pr -> pull_request_merged_rate_weighted
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.935
Event time (k)

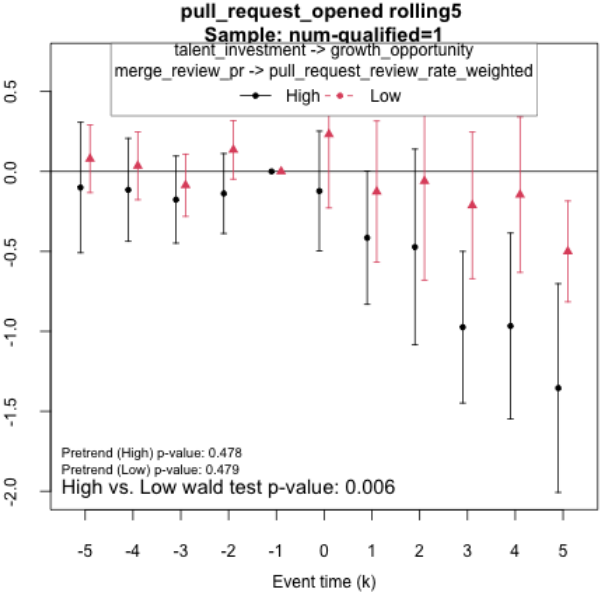

pull_request_merged rolling5
Sample: num-qualified=1
talent_investment -> growth_opportunity
merge_review_pr -> pull_request_merged_rate_weighted
High
Low
Pretrend (High) p-value: 0.011
Pretrend (Low) p-value: 0.338
High vs. Low wald test p-value: 0.271
Event time (k)

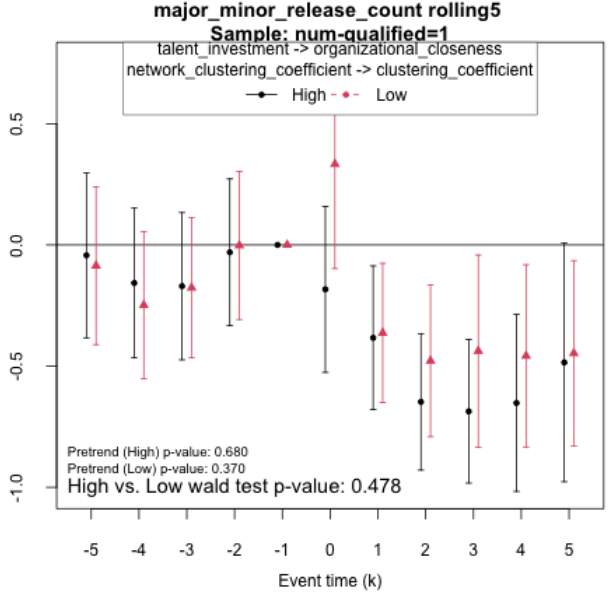

pull_request_opened rolling5
Sample: num-qualified=1
talent_investment -> growth_opportunity
merge_review_pr -> pull_request_merged_rate_weighted
High
Low
Pretrend (High) p-value: 0.009
Pretrend (Low) p-value: 0.426
High vs. Low wald test p-value: 0.983
Event time (k)

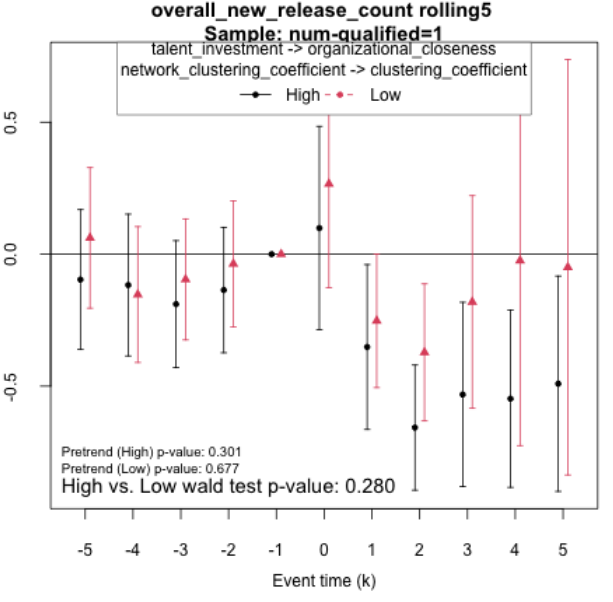

major_minor_release_count rolling5
Sample: num-qualified=1
talent_investment -> growth_opportunity
merge_review_pr -> pull_request_review_rate_weighted
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.412
High vs. Low wald test p-value: 0.000
Event time (k)

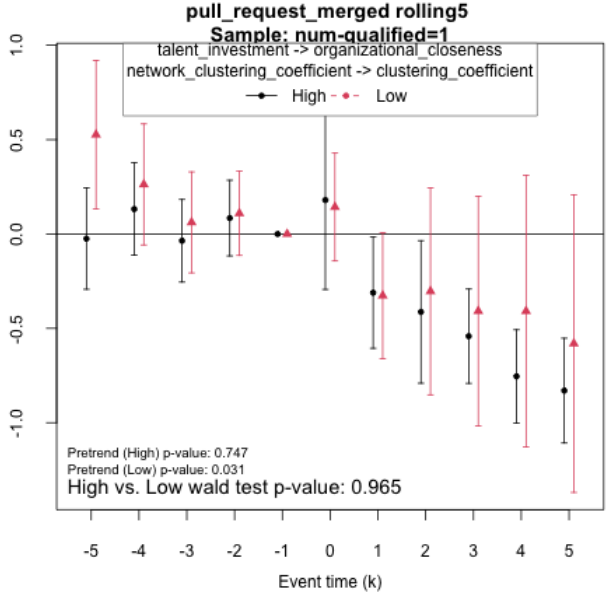

overall_new_release_count rolling5
Sample: num-qualified=1
talent_investment -> growth_opportunity
merge_review_pr -> pull_request_review_rate_weighted
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.509
High vs. Low wald test p-value: 0.000
Event time (k)

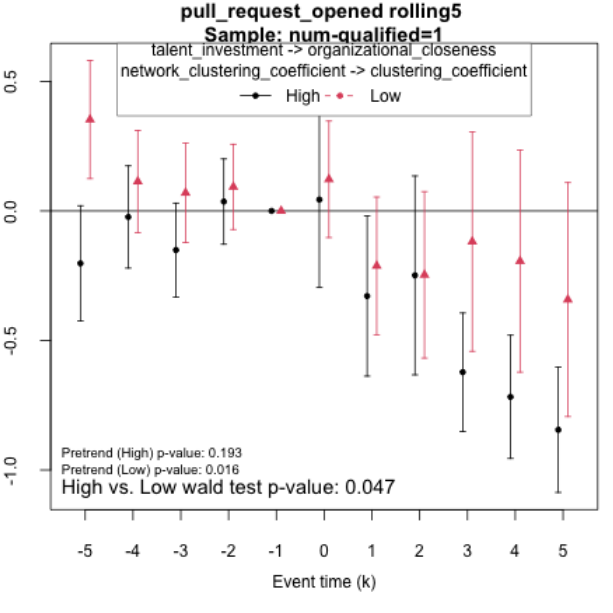

pull_request_merged rolling5
Sample: num-qualified=1
talent_investment -> growth_opportunity
merge_review_pr -> pull_request_review_rate_weighted
High
Low
Pretrend (High) p-value: 0.978
Pretrend (Low) p-value: 0.695
High vs. Low wald test p-value: 0.015
Event time (k)


pull_request_opened rolling5
Sample: num-qualified=1
talent_investment -> growth_opportunity
merge_review_pr -> pull_request_review_rate_weighted
High
Low
Pretrend (High) p-value: 0.478
Pretrend (Low) p-value: 0.479
High vs. Low wald test p-value: 0.006
Event time (k)


major_minor_release_count rolling5
Sample: num-qualified=1
talent_investment -> organizational_closeness
network_clustering_coefficient -> clustering_coefficient
High
Low
Pretrend (High) p-value: 0.680
Pretrend (Low) p-value: 0.370
High vs. Low wald test p-value: 0.478
Event time (k)


overall_new_release_count rolling5
Sample: num-qualified=1
talent_investment -> organizational_closeness
network_clustering_coefficient -> clustering_coefficient
High
Low
Pretrend (High) p-value: 0.301
Pretrend (Low) p-value: 0.677
High vs. Low wald test p-value: 0.280
Event time (k)


pull_request_merged rolling5
Sample: num-qualified=1
talent_investment -> organizational_closeness
network_clustering_coefficient -> clustering_coefficient
High
Low
Pretrend (High) p-value: 0.747
Pretrend (Low) p-value: 0.031
High vs. Low wald test p-value: 0.965
Event time (k)


pull_request_opened rolling5
Sample: num-qualified=1
talent_investment -> organizational_closeness
network_clustering_coefficient -> clustering_coefficient
High
Low
Pretrend (High) p-value: 0.193
Pretrend (Low) p-value: 0.016
High vs. Low wald test p-value: 0.047
Event time (k)