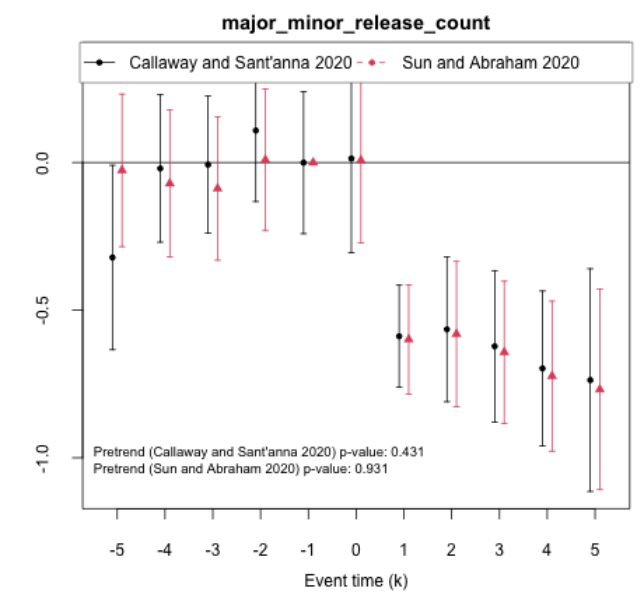
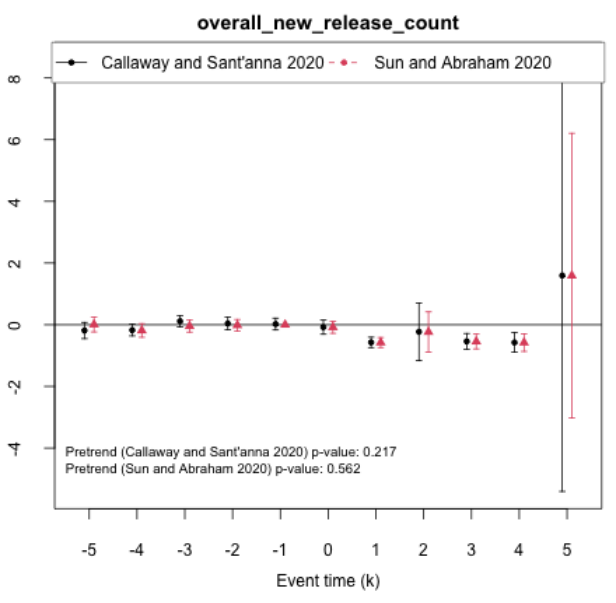
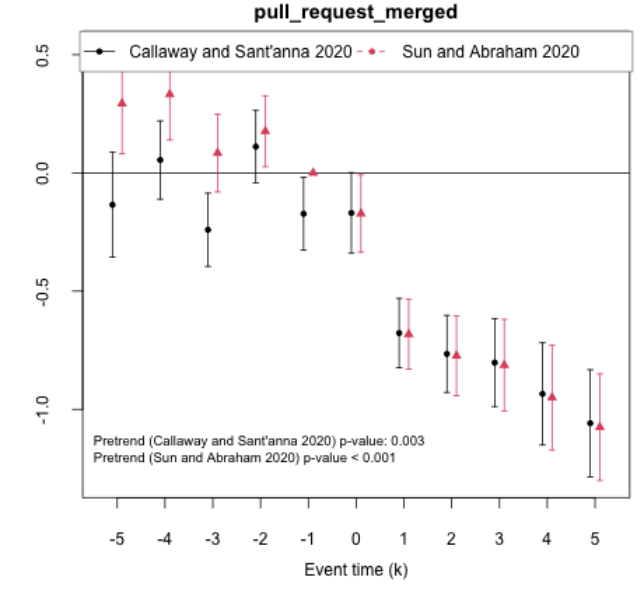
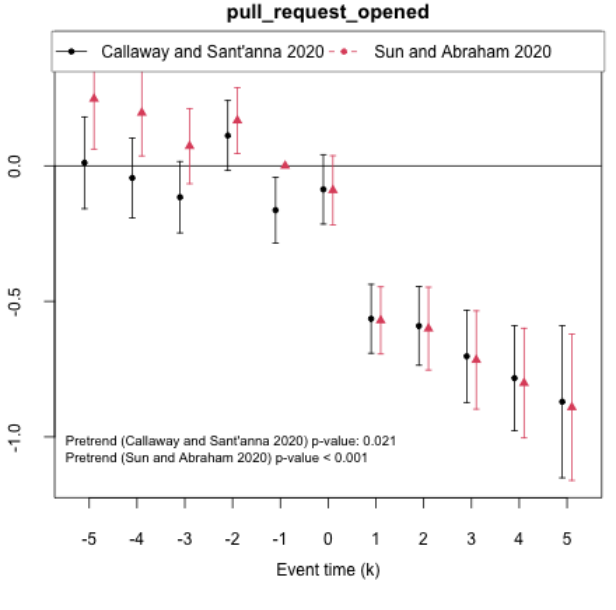
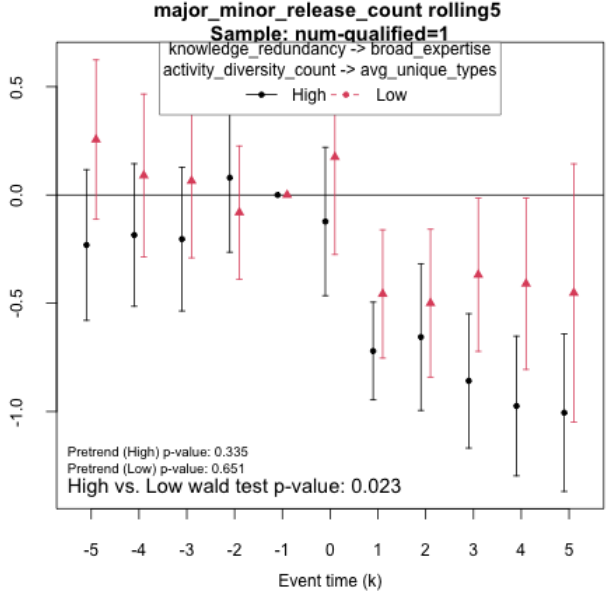
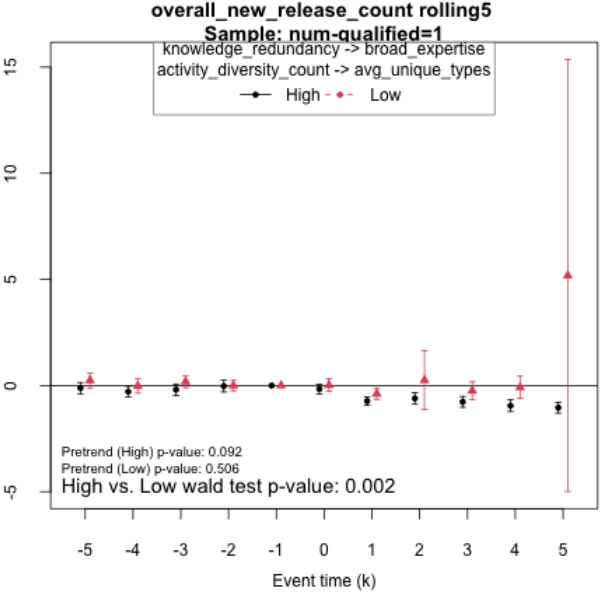

major_minor_release_count
Callaway and Sant'anna 2020
Sun and Abraham 2020
Pretrend (Callaway and Sant'anna 2020) p-value: 0.431
Pretrend (Sun and Abraham 2020) p-value: 0.931
Event time (k)

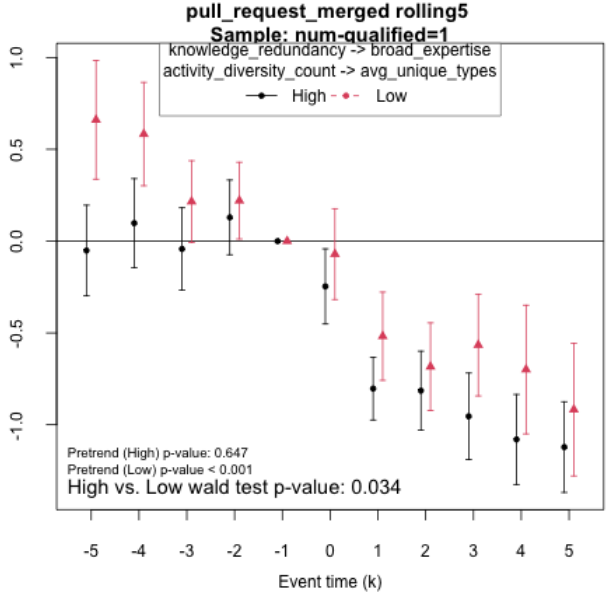

overall_new_release_count
Callaway and Sant'anna 2020
Sun and Abraham 2020
Pretrend (Callaway and Sant'anna 2020) p-value: 0.217
Pretrend (Sun and Abraham 2020) p-value: 0.562
Event time (k)

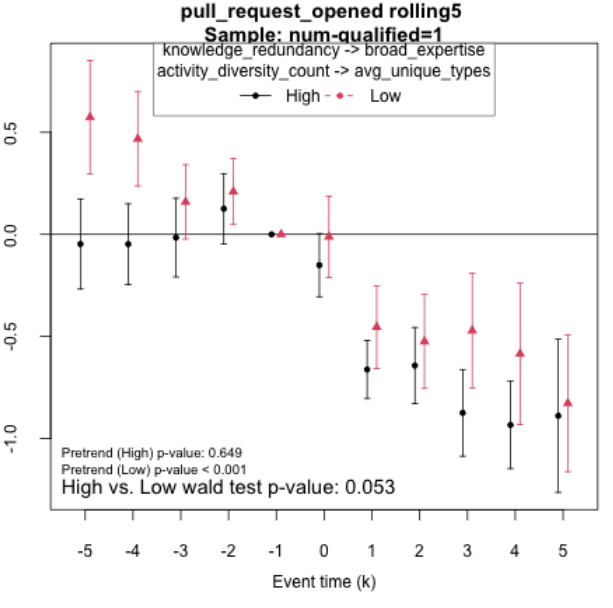

pull_request_merged
Callaway and Sant'anna 2020
Sun and Abraham 2020
Pretrend (Callaway and Sant'anna 2020) p-value: 0.003
Pretrend (Sun and Abraham 2020) p-value < 0.001
Event time (k)

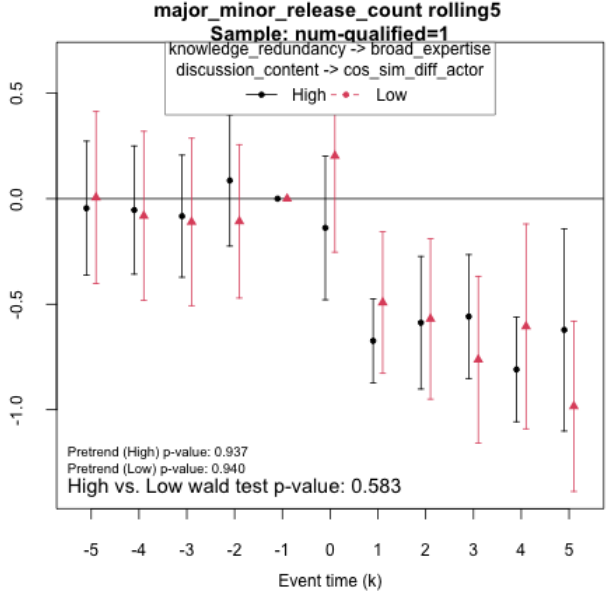

pull_request_opened
Callaway and Sant'anna 2020
Sun and Abraham 2020
Pretrend (Callaway and Sant'anna 2020) p-value: 0.021
Pretrend (Sun and Abraham 2020) p-value < 0.001
Event time (k)

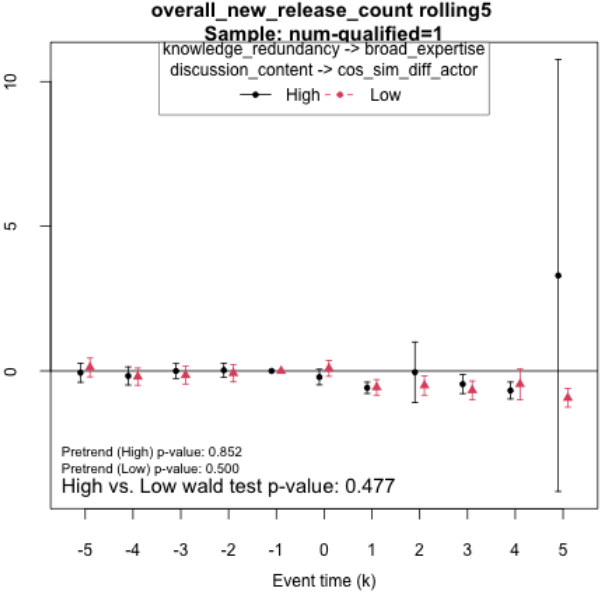

major_minor_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
activity_diversity_count -> avg_unique_types
High
Low
Pretrend (High) p-value: 0.335
Pretrend (Low) p-value: 0.651
High vs. Low wald test p-value: 0.023
Event time (k)

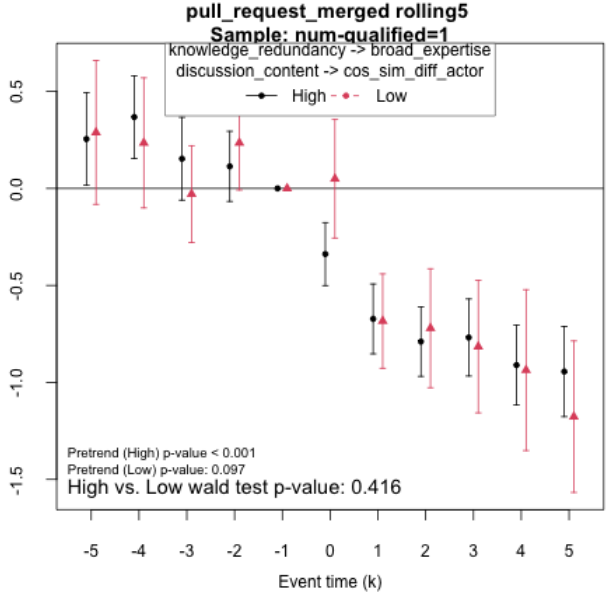

overall_new_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
activity_diversity_count -> avg_unique_types
High
Low
Pretrend (High) p-value: 0.092
Pretrend (Low) p-value: 0.506
High vs. Low wald test p-value: 0.002
Event time (k)

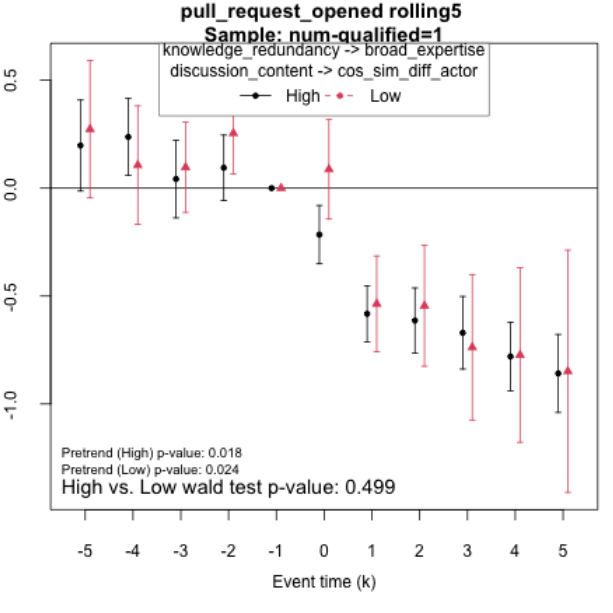

pull_request_merged rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
activity_diversity_count -> avg_unique_types
High
Low
Pretrend (High) p-value: 0.647
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.034
Event time (k)

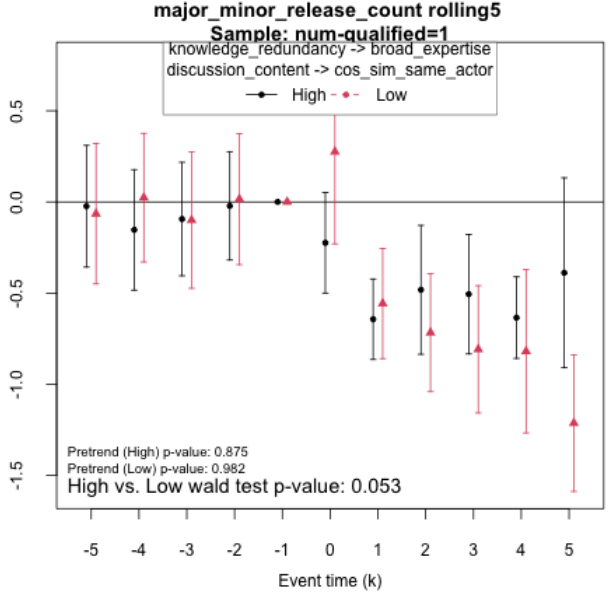

pull_request_opened rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
activity_diversity_count -> avg_unique_types
High
Low
Pretrend (High) p-value: 0.649
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.053
Event time (k)

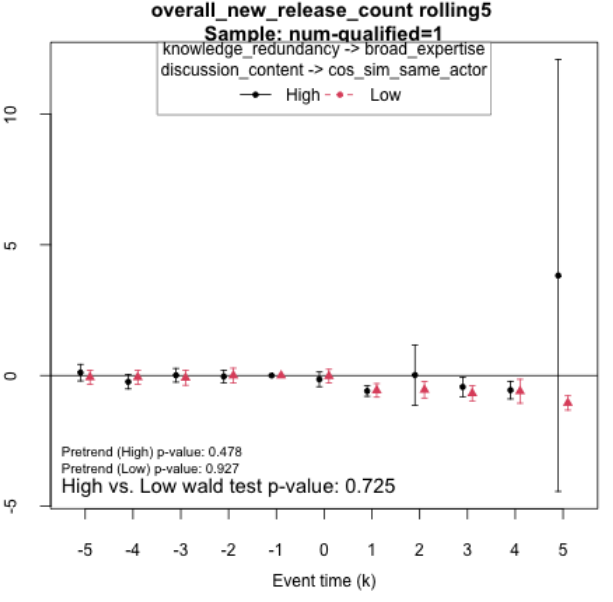

major_minor_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
discussion_content -> cos_sim_diff_actor
High
Low
Pretrend (High) p-value: 0.937
Pretrend (Low) p-value: 0.940
High vs. Low wald test p-value: 0.583
Event time (k)

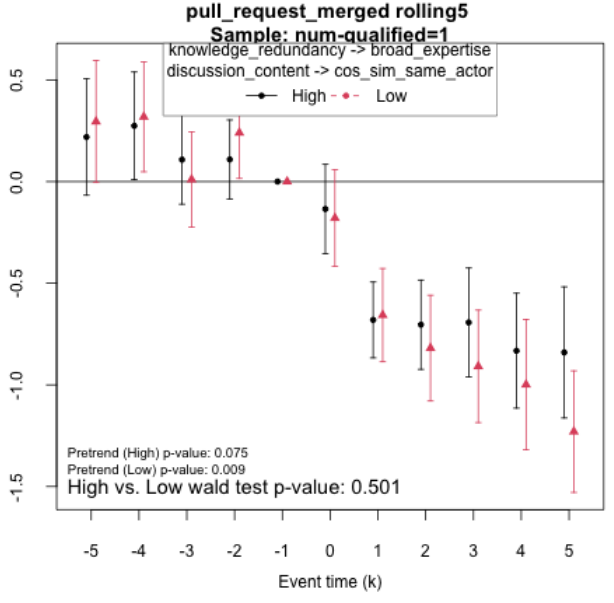

overall_new_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
discussion_content -> cos_sim_diff_actor
High
Low
Pretrend (High) p-value: 0.852
Pretrend (Low) p-value: 0.500
High vs. Low wald test p-value: 0.477
Event time (k)

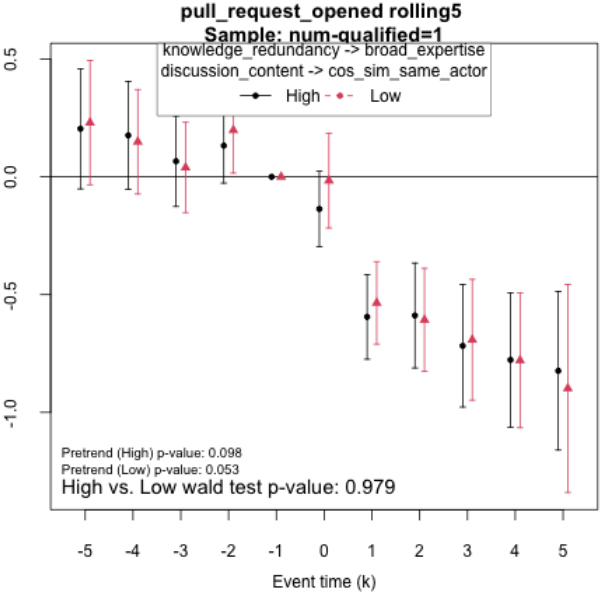

pull_request_merged rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
discussion_content -> cos_sim_diff_actor
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.097
High vs. Low wald test p-value: 0.416
Event time (k)

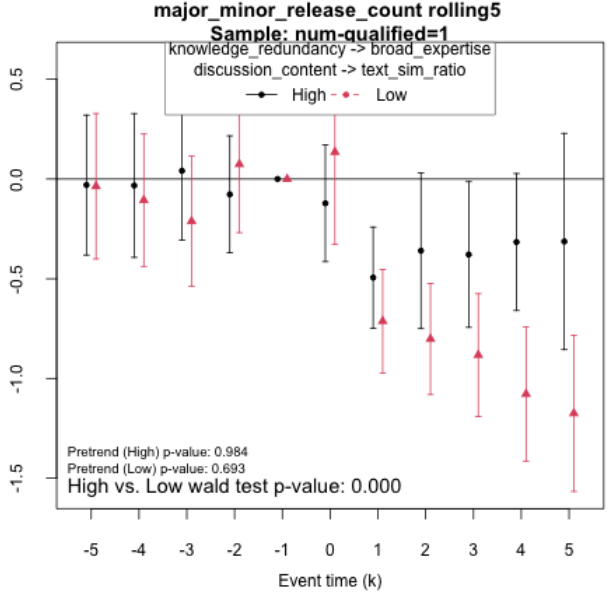

pull_request_opened rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
discussion_content -> cos_sim_diff_actor
High
Low
Pretrend (High) p-value: 0.018
Pretrend (Low) p-value: 0.024
High vs. Low wald test p-value: 0.499
Event time (k)

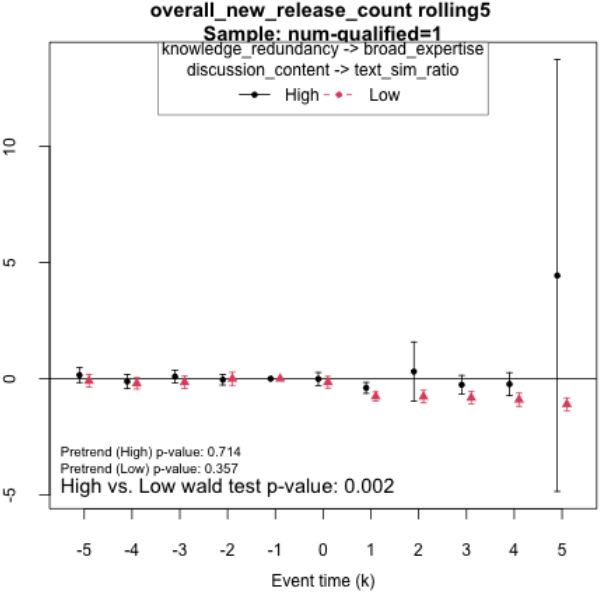

major_minor_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
discussion_content -> cos_sim_same_actor
High
Low
Pretrend (High) p-value: 0.875
Pretrend (Low) p-value: 0.982
High vs. Low wald test p-value: 0.053
Event time (k)

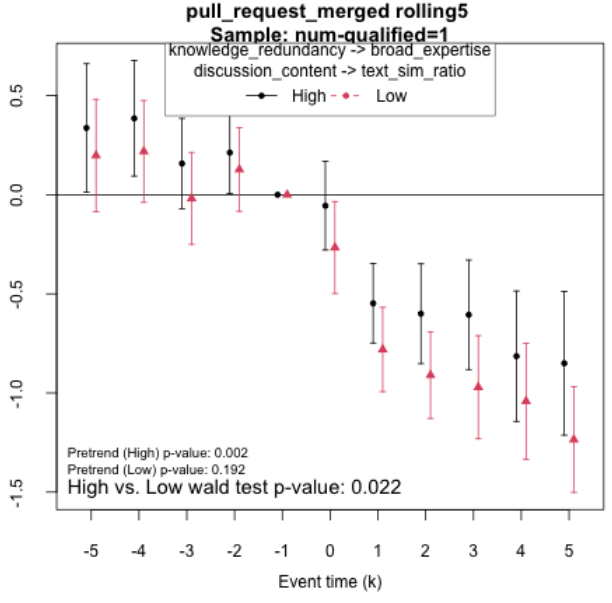

overall_new_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
discussion_content -> cos_sim_same_actor
High
Low
Pretrend (High) p-value: 0.478
Pretrend (Low) p-value: 0.927
High vs. Low wald test p-value: 0.725
Event time (k)

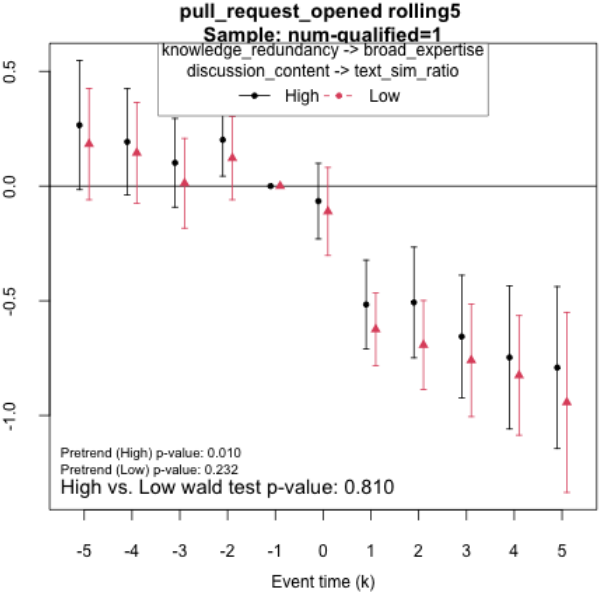

pull_request_merged rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
discussion_content -> cos_sim_same_actor
High
Low
Pretrend (High) p-value: 0.075
Pretrend (Low) p-value: 0.009
High vs. Low wald test p-value: 0.501
Event time (k)

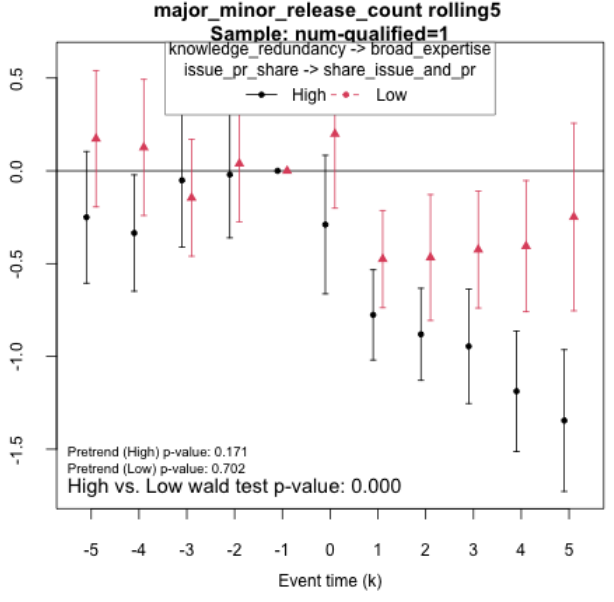

pull_request_opened rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
discussion_content -> cos_sim_same_actor
High
Low
Pretrend (High) p-value: 0.098
Pretrend (Low) p-value: 0.053
High vs. Low wald test p-value: 0.979
Event time (k)

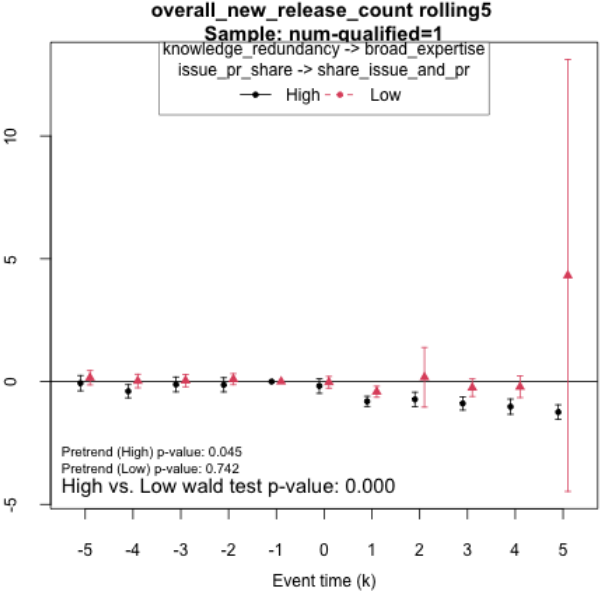

major_minor_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
discussion_content -> text_sim_ratio
High
Low
Pretrend (High) p-value: 0.984
Pretrend (Low) p-value: 0.693
High vs. Low wald test p-value: 0.000
Event time (k)

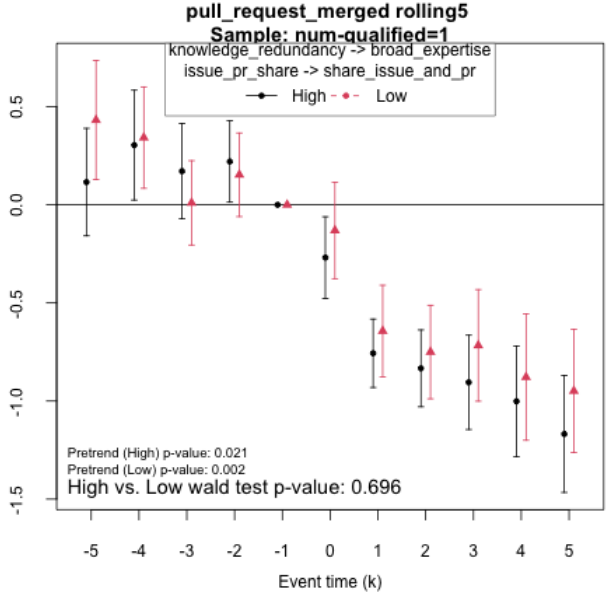

overall_new_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
discussion_content -> text_sim_ratio
High
Low
Pretrend (High) p-value: 0.714
Pretrend (Low) p-value: 0.357
High vs. Low wald test p-value: 0.002
Event time (k)

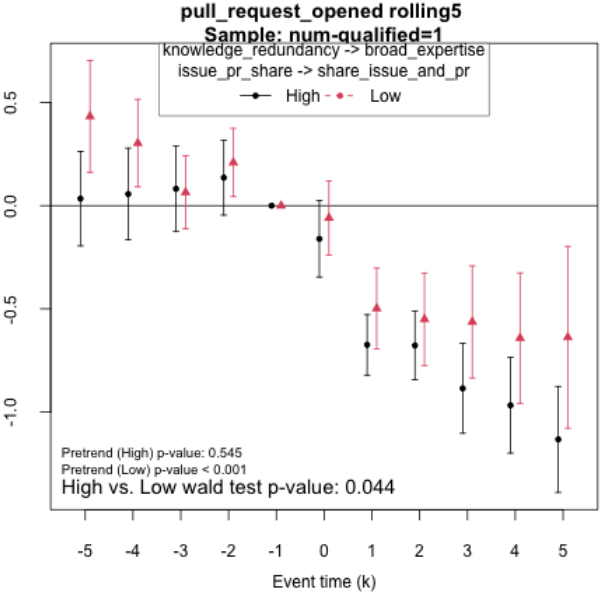

pull_request_merged rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
discussion_content -> text_sim_ratio
High
Low
Pretrend (High) p-value: 0.002
Pretrend (Low) p-value: 0.192
High vs. Low wald test p-value: 0.022
Event time (k)

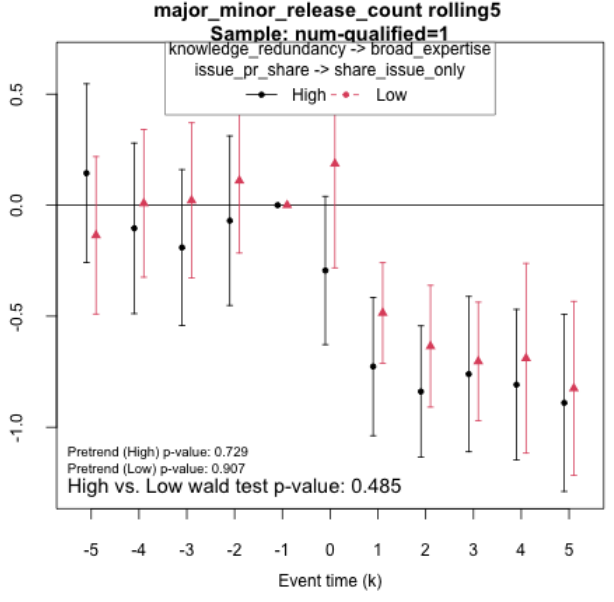

pull_request_opened rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
discussion_content -> text_sim_ratio
High
Low
Pretrend (High) p-value: 0.010
Pretrend (Low) p-value: 0.232
High vs. Low wald test p-value: 0.810
Event time (k)

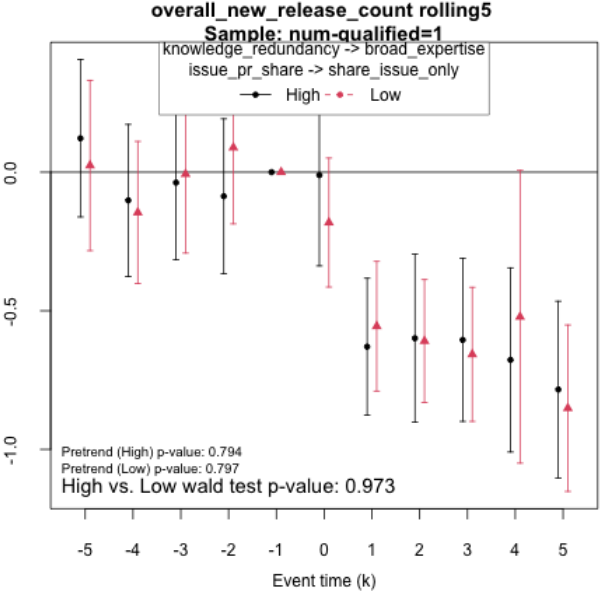

major_minor_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_issue_and_pr
High
Low
Pretrend (High) p-value: 0.171
Pretrend (Low) p-value: 0.702
High vs. Low wald test p-value: 0.000
Event time (k)

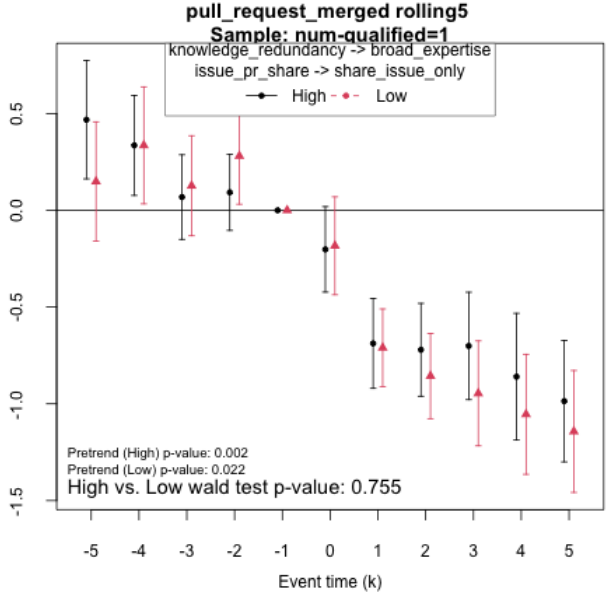

overall_new_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_issue_and_pr
High
Low
Pretrend (High) p-value: 0.045
Pretrend (Low) p-value: 0.742
High vs. Low wald test p-value: 0.000
Event time (k)

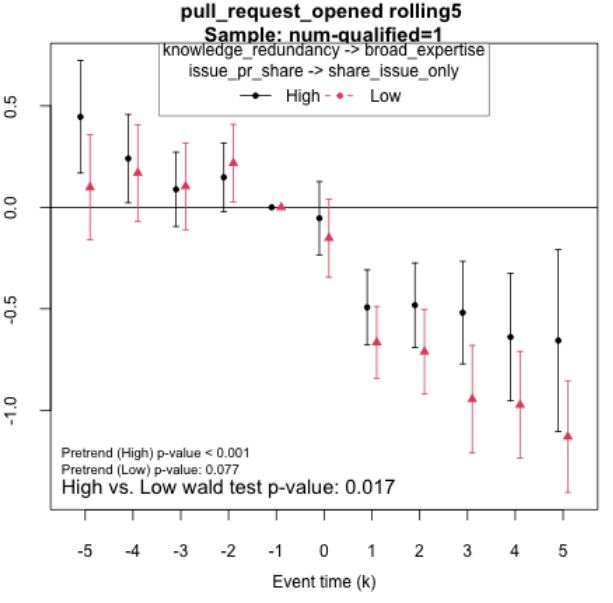

pull_request_merged rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_issue_and_pr
High
Low
Pretrend (High) p-value: 0.021
Pretrend (Low) p-value: 0.002
High vs. Low wald test p-value: 0.696
Event time (k)

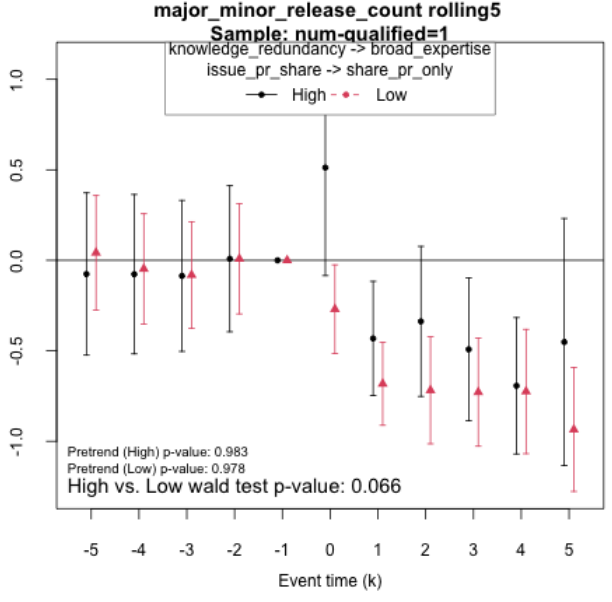

pull_request_opened rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_issue_and_pr
High
Low
Pretrend (High) p-value: 0.545
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.044
Event time (k)

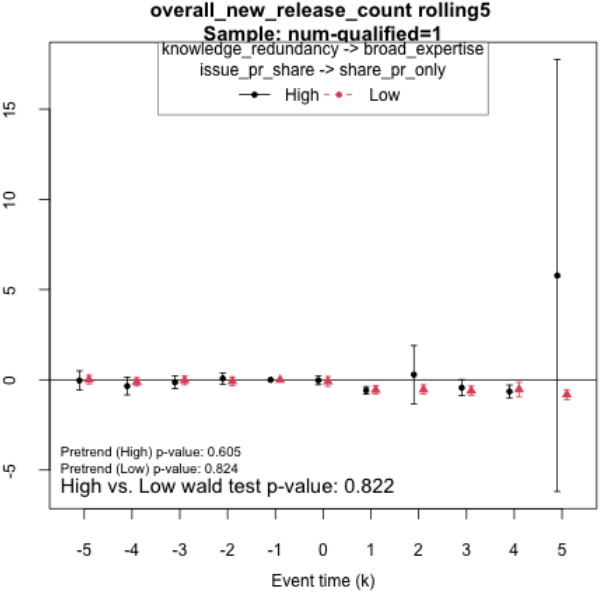

major_minor_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_issue_only
High
Low
Pretrend (High) p-value: 0.729
Pretrend (Low) p-value: 0.907
High vs. Low wald test p-value: 0.485
Event time (k)

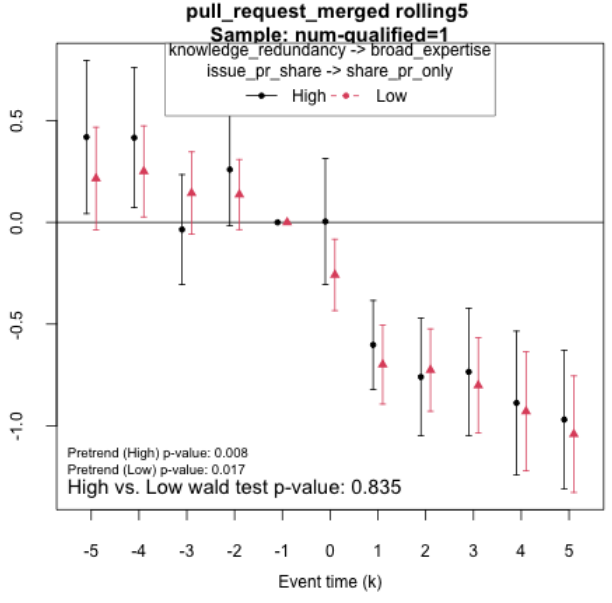

overall_new_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_issue_only
High
Low
Pretrend (High) p-value: 0.794
Pretrend (Low) p-value: 0.797
High vs. Low wald test p-value: 0.973
Event time (k)

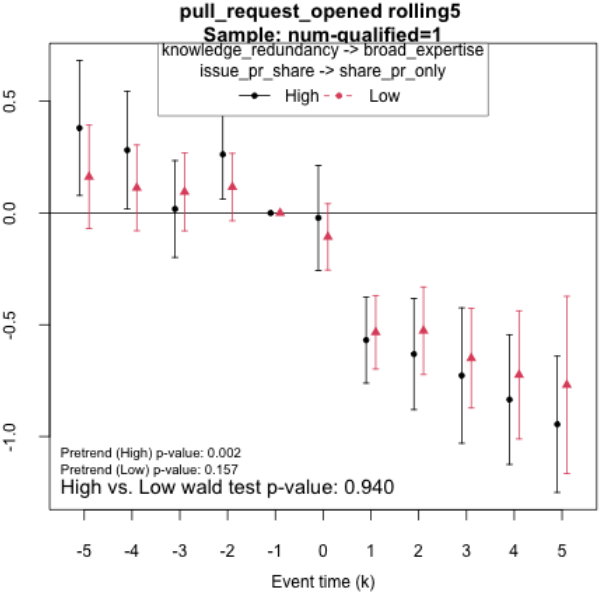

pull_request_merged rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_issue_only
High
Low
Pretrend (High) p-value: 0.002
Pretrend (Low) p-value: 0.022
High vs. Low wald test p-value: 0.755
Event time (k)

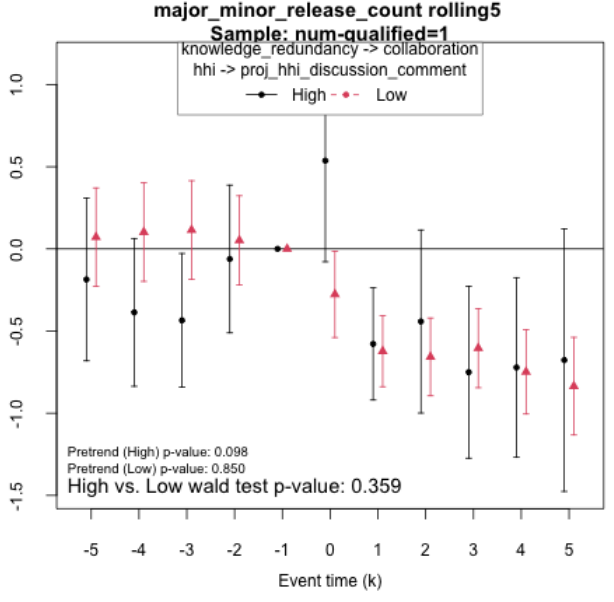

pull_request_opened rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_issue_only
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.077
High vs. Low wald test p-value: 0.017
Event time (k)

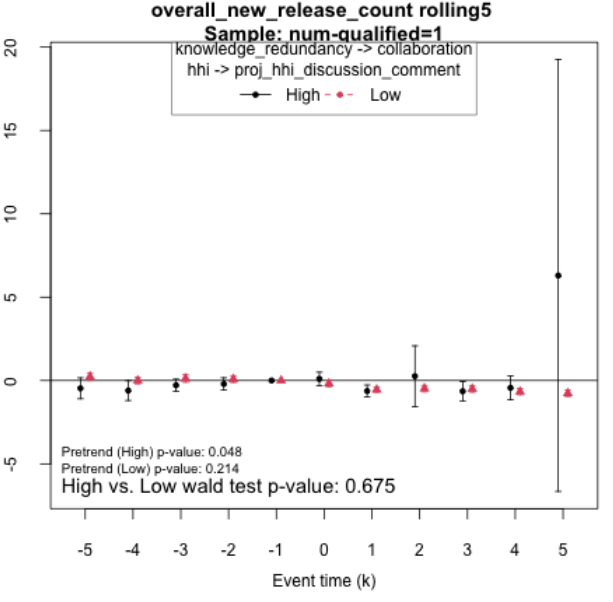

major_minor_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_pr_only
High
Low
Pretrend (High) p-value: 0.983
Pretrend (Low) p-value: 0.978
High vs. Low wald test p-value: 0.066
Event time (k)

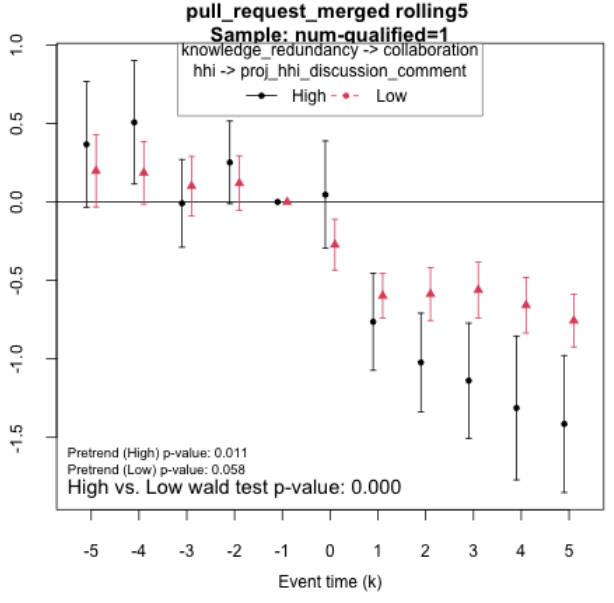

overall_new_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_pr_only
High
Low
Pretrend (High) p-value: 0.605
Pretrend (Low) p-value: 0.824
High vs. Low wald test p-value: 0.822
Event time (k)

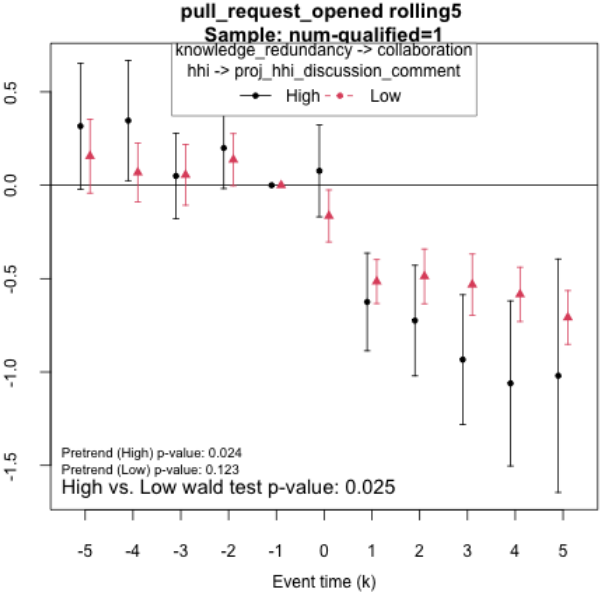

pull_request_merged rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_pr_only
High
Low
Pretrend (High) p-value: 0.008
Pretrend (Low) p-value: 0.017
High vs. Low wald test p-value: 0.835
Event time (k)

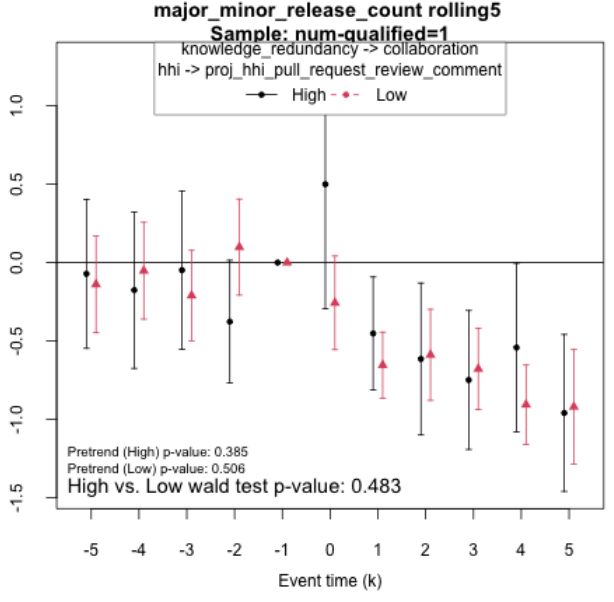

pull_request_opened rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_pr_only
High
Low
Pretrend (High) p-value: 0.002
Pretrend (Low) p-value: 0.157
High vs. Low wald test p-value: 0.940
Event time (k)

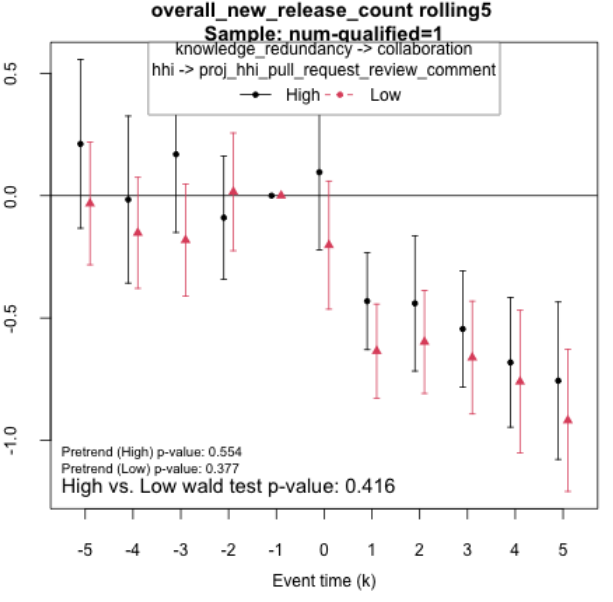

major_minor_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
hhi -> proj_hhi_discussion_comment
High
Low
Pretrend (High) p-value: 0.098
Pretrend (Low) p-value: 0.850
High vs. Low wald test p-value: 0.359
Event time (k)

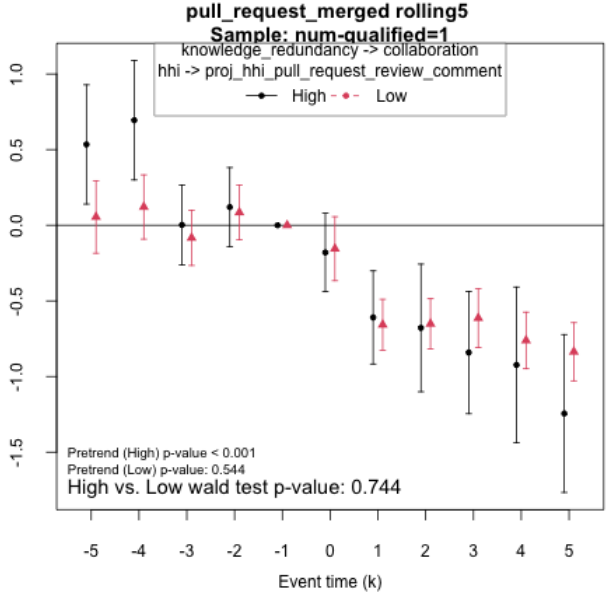

overall_new_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
hhi -> proj_hhi_discussion_comment
High
Low
Pretrend (High) p-value: 0.048
Pretrend (Low) p-value: 0.214
High vs. Low wald test p-value: 0.675
Event time (k)

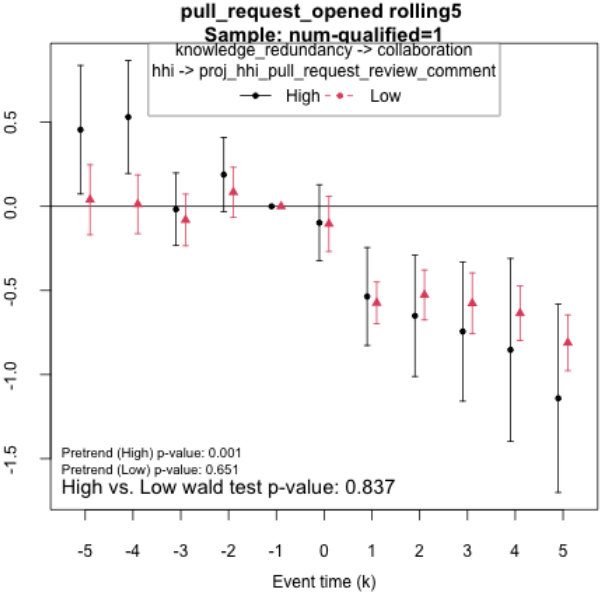

pull_request_merged rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
hhi -> proj_hhi_discussion_comment
High
Low
Pretrend (High) p-value: 0.011
Pretrend (Low) p-value: 0.058
High vs. Low wald test p-value: 0.000
Event time (k)

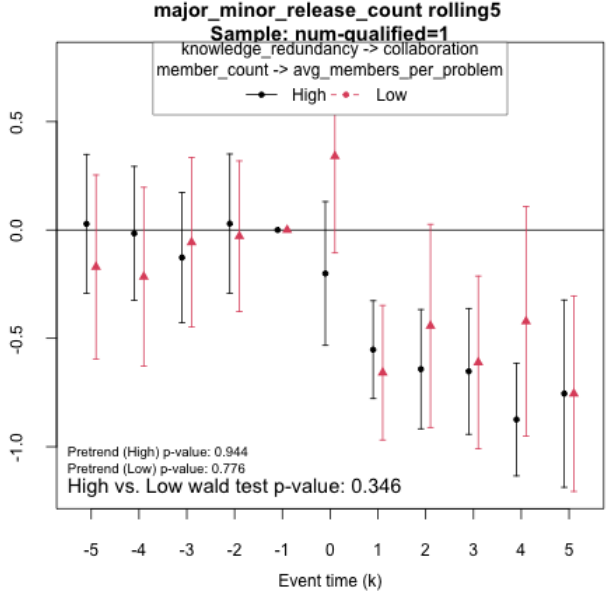

pull_request_opened rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
hhi -> proj_hhi_discussion_comment
High
Low
Pretrend (High) p-value: 0.024
Pretrend (Low) p-value: 0.123
High vs. Low wald test p-value: 0.025
Event time (k)

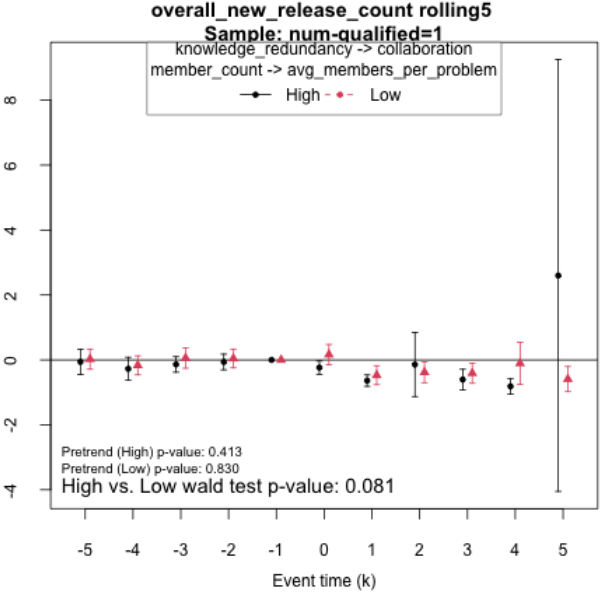

major_minor_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
hhi -> proj_hhi_pull_request_review_comment
High
Low
Pretrend (High) p-value: 0.385
Pretrend (Low) p-value: 0.506
High vs. Low wald test p-value: 0.483
Event time (k)

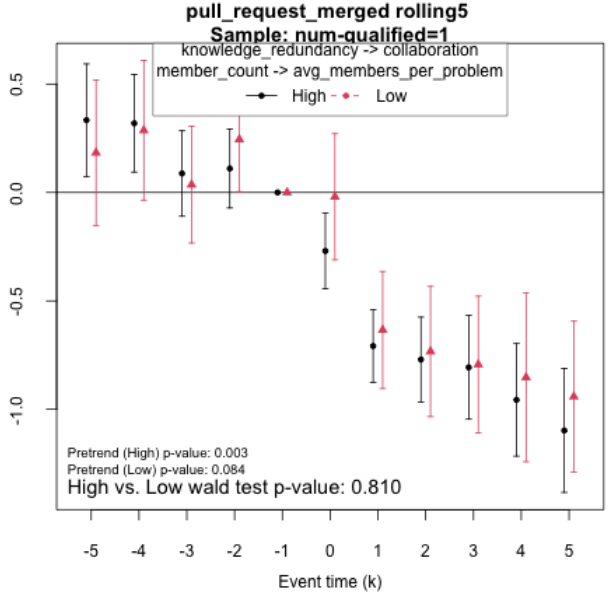

overall_new_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
hhi -> proj_hhi_pull_request_review_comment
High
Low
Pretrend (High) p-value: 0.554
Pretrend (Low) p-value: 0.377
High vs. Low wald test p-value: 0.416
Event time (k)

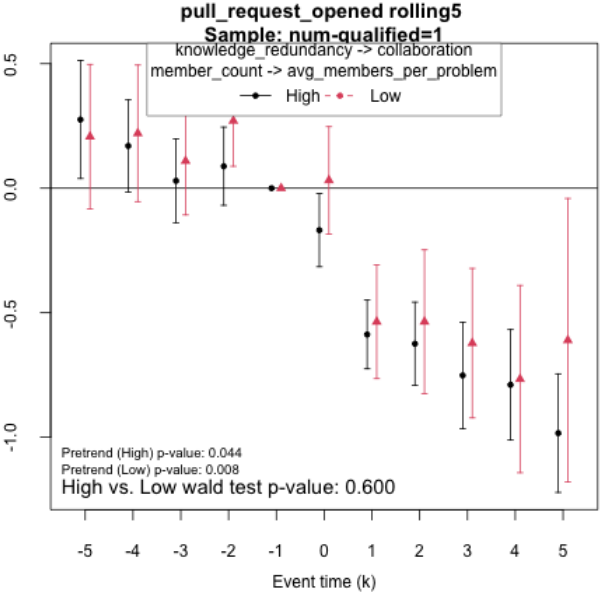

pull_request_merged rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
hhi -> proj_hhi_pull_request_review_comment
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.544
High vs. Low wald test p-value: 0.744
Event time (k)

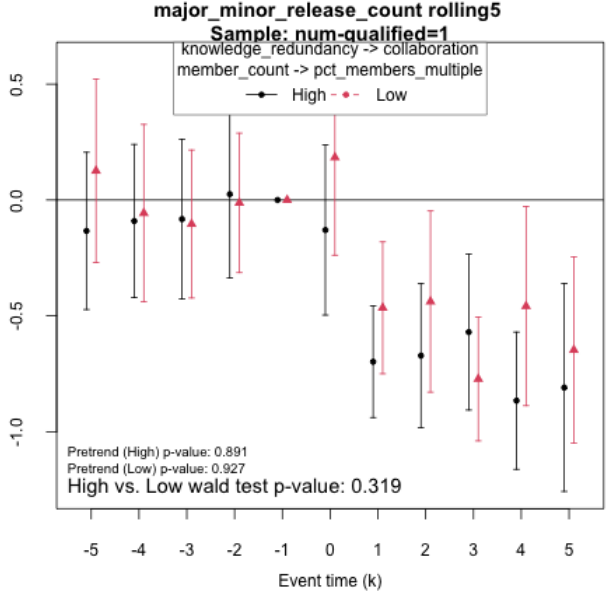

pull_request_opened rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
hhi -> proj_hhi_pull_request_review_comment
High
Low
Pretrend (High) p-value: 0.001
Pretrend (Low) p-value: 0.651
High vs. Low wald test p-value: 0.837
Event time (k)

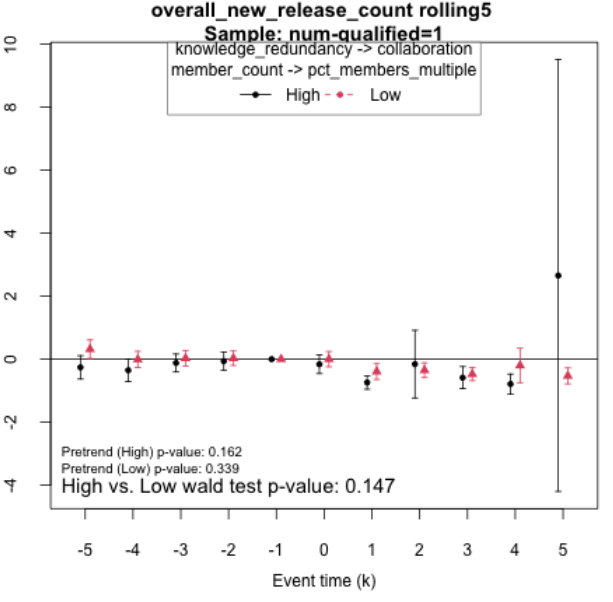

major_minor_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
member_count -> avg_members_per_problem
High
Low
Pretrend (High) p-value: 0.944
Pretrend (Low) p-value: 0.776
High vs. Low wald test p-value: 0.346
Event time (k)

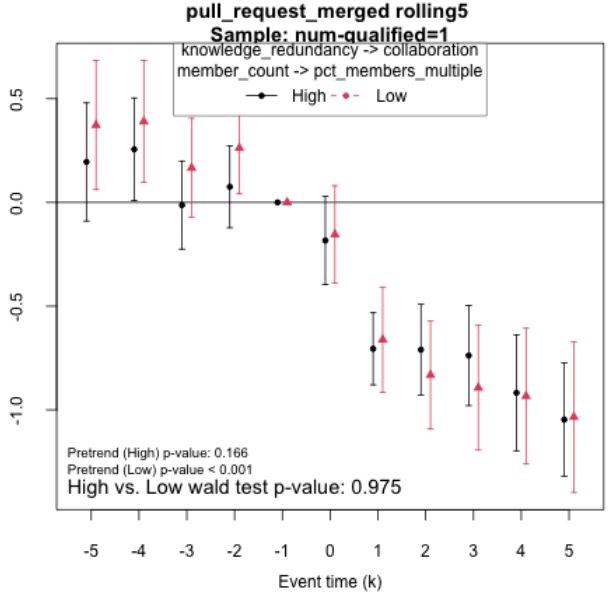

overall_new_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
member_count -> avg_members_per_problem
High
Low
Pretrend (High) p-value: 0.413
Pretrend (Low) p-value: 0.830
High vs. Low wald test p-value: 0.081
Event time (k)

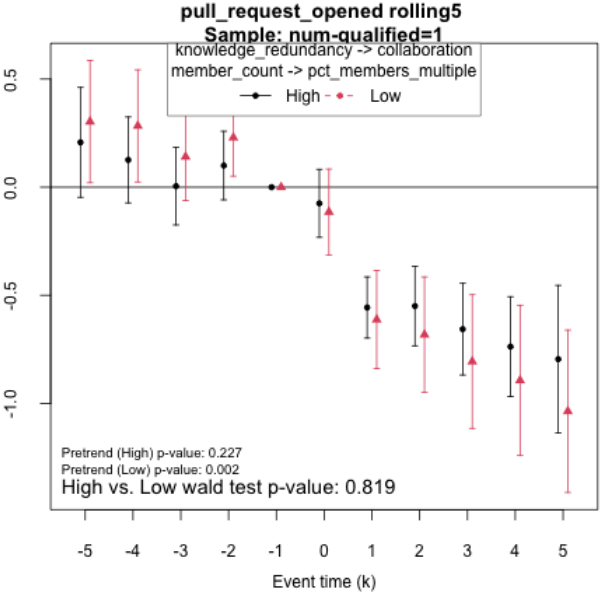

pull_request_merged rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
member_count -> avg_members_per_problem
High
Low
Pretrend (High) p-value: 0.003
Pretrend (Low) p-value: 0.084
High vs. Low wald test p-value: 0.810
Event time (k)

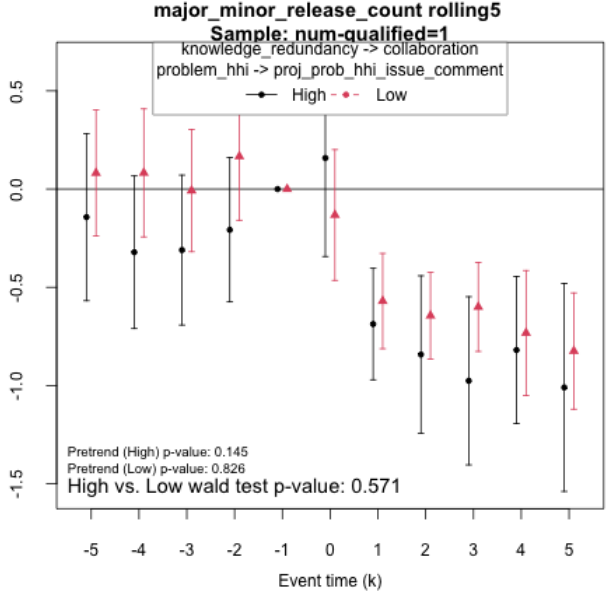

pull_request_opened rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
member_count -> avg_members_per_problem
High
Low
Pretrend (High) p-value: 0.044
Pretrend (Low) p-value: 0.008
High vs. Low wald test p-value: 0.600
Event time (k)

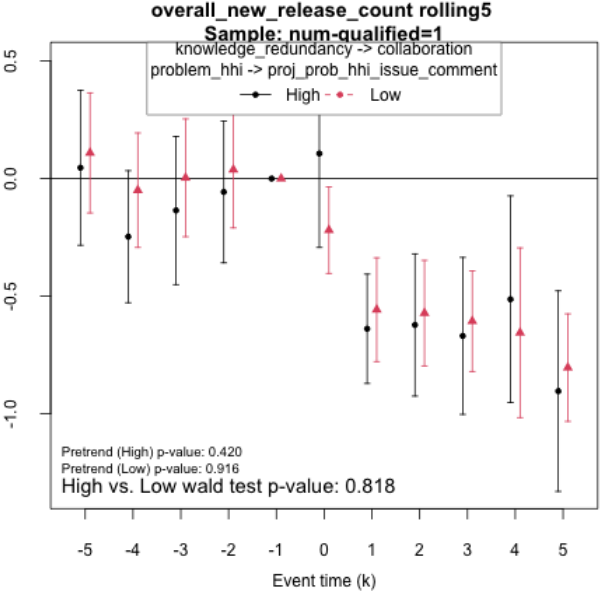

major_minor_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
member_count -> pct_members_multiple
High
Low
Pretrend (High) p-value: 0.891
Pretrend (Low) p-value: 0.927
High vs. Low wald test p-value: 0.319
Event time (k)

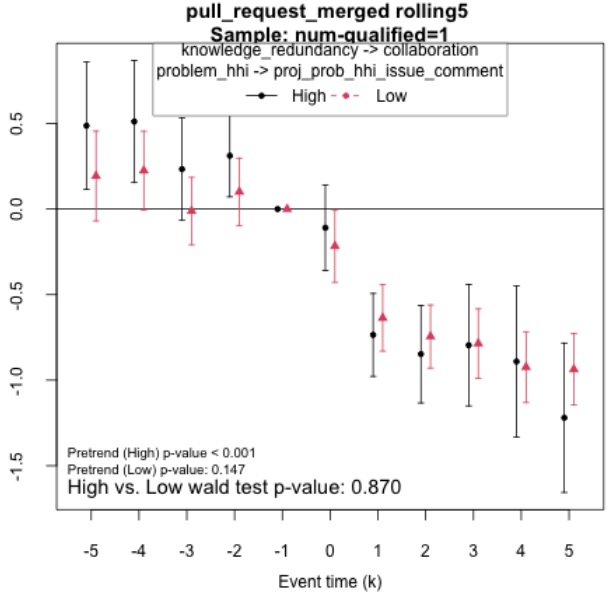

overall_new_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
member_count -> pct_members_multiple
High
Low
Pretrend (High) p-value: 0.162
Pretrend (Low) p-value: 0.339
High vs. Low wald test p-value: 0.147
Event time (k)

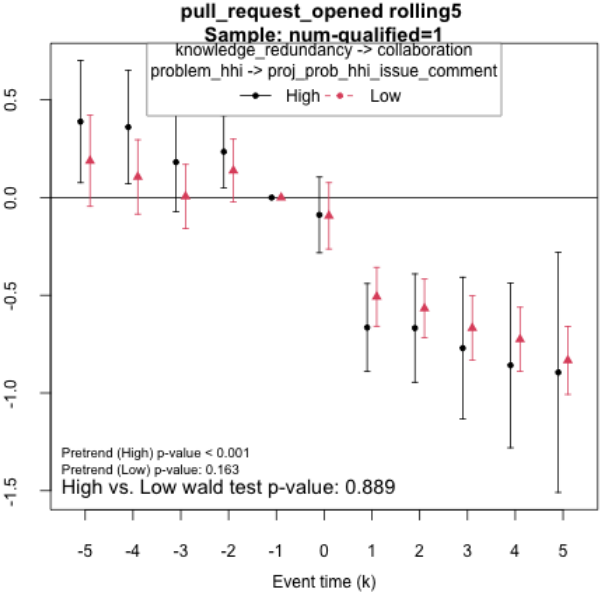

pull_request_merged rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
member_count -> pct_members_multiple
High
Low
Pretrend (High) p-value: 0.166
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.975
Event time (k)

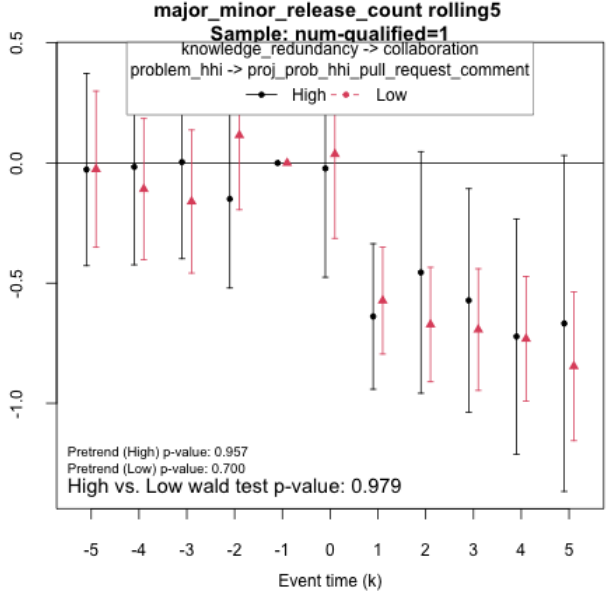

pull_request_opened rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
member_count -> pct_members_multiple
High
Low
Pretrend (High) p-value: 0.227
Pretrend (Low) p-value: 0.002
High vs. Low wald test p-value: 0.819
Event time (k)

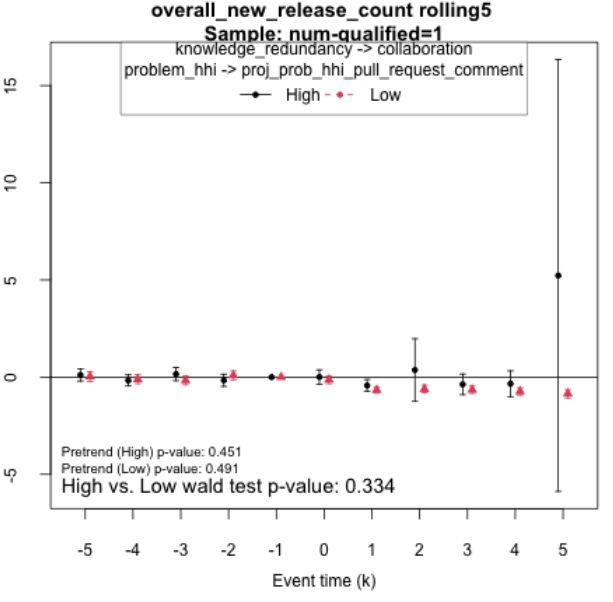

major_minor_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_issue_comment
High
Low
Pretrend (High) p-value: 0.145
Pretrend (Low) p-value: 0.826
High vs. Low wald test p-value: 0.571
Event time (k)

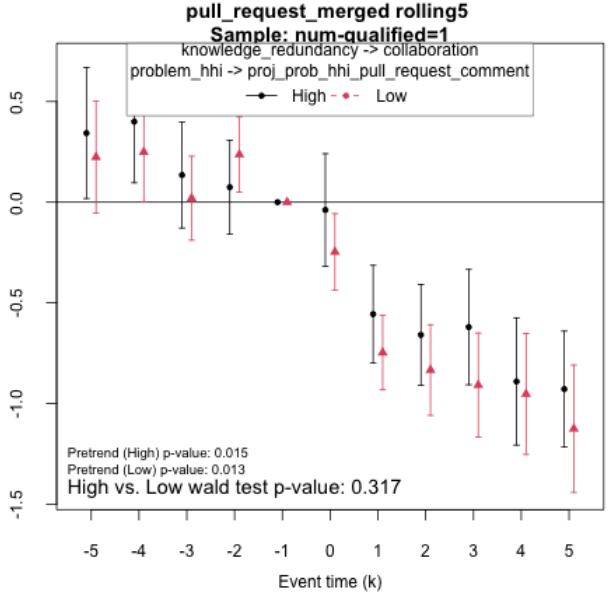

overall_new_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_issue_comment
High
Low
Pretrend (High) p-value: 0.420
Pretrend (Low) p-value: 0.916
High vs. Low wald test p-value: 0.818
Event time (k)

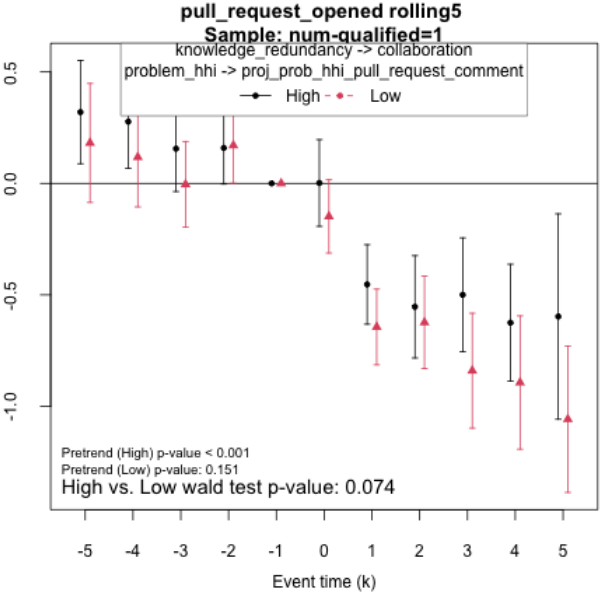

pull_request_merged rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_issue_comment
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.147
High vs. Low wald test p-value: 0.870
Event time (k)

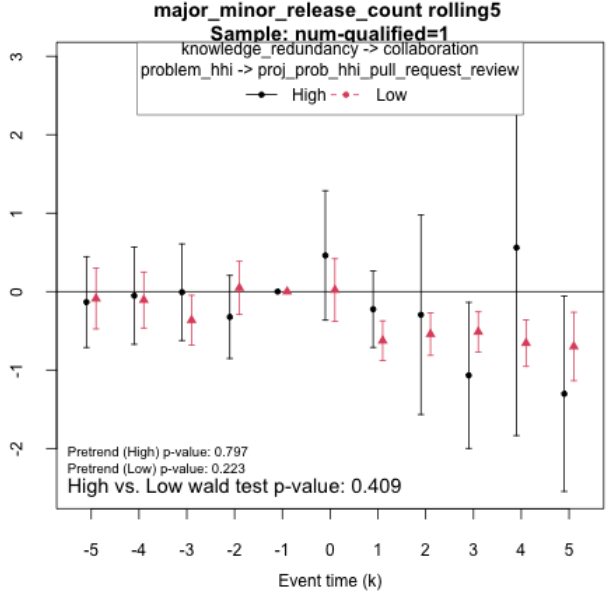

pull_request_opened rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_issue_comment
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.163
High vs. Low wald test p-value: 0.889
Event time (k)

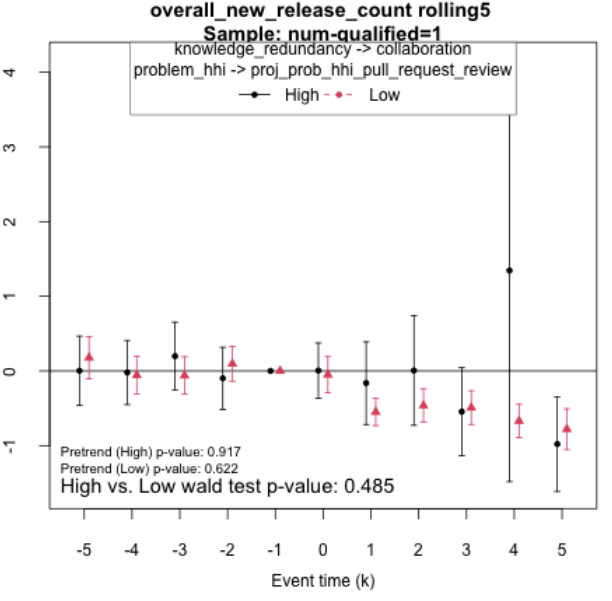

major_minor_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_comment
High
Low
Pretrend (High) p-value: 0.957
Pretrend (Low) p-value: 0.700
High vs. Low wald test p-value: 0.979
Event time (k)

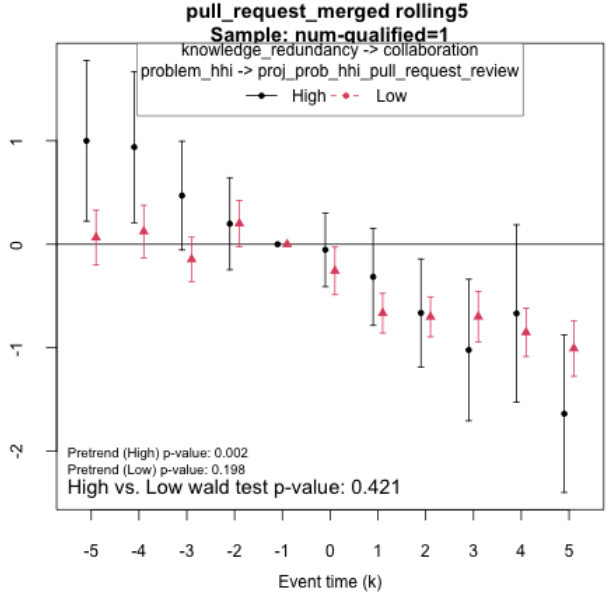

overall_new_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_comment
High
Low
Pretrend (High) p-value: 0.451
Pretrend (Low) p-value: 0.491
High vs. Low wald test p-value: 0.334
Event time (k)

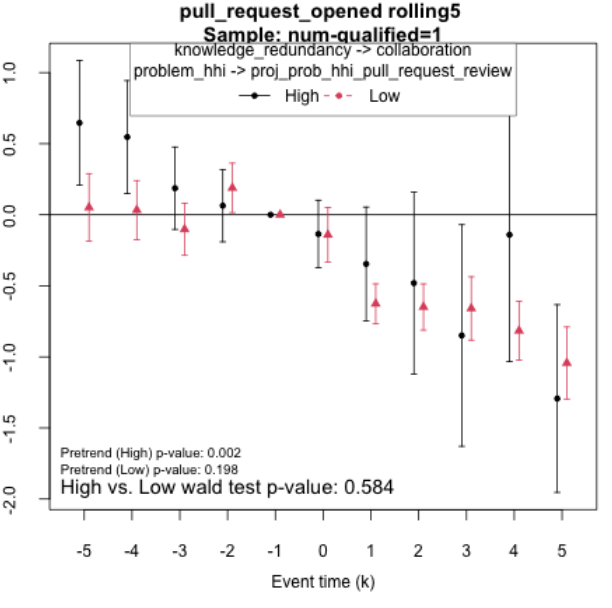

pull_request_merged rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_comment
High
Low
Pretrend (High) p-value: 0.015
Pretrend (Low) p-value: 0.013
High vs. Low wald test p-value: 0.317
Event time (k)

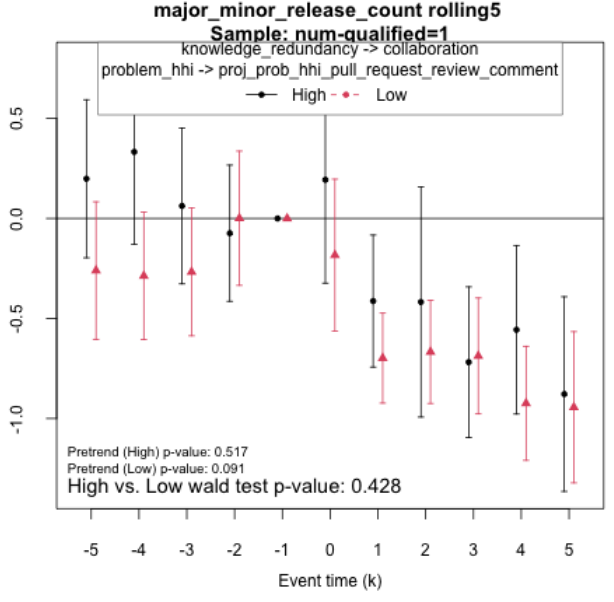

pull_request_opened rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_comment
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.151
High vs. Low wald test p-value: 0.074
Event time (k)

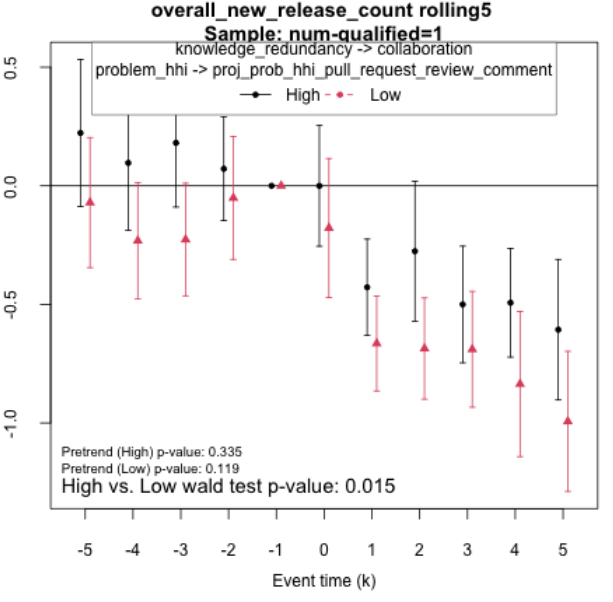

major_minor_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_review
High
Low
Pretrend (High) p-value: 0.797
Pretrend (Low) p-value: 0.223
High vs. Low wald test p-value: 0.409
Event time (k)

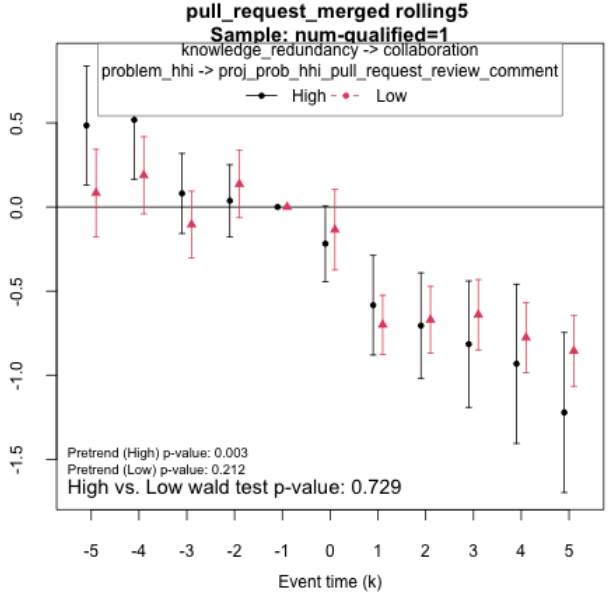

overall_new_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_review
High
Low
Pretrend (High) p-value: 0.917
Pretrend (Low) p-value: 0.622
High vs. Low wald test p-value: 0.485
Event time (k)

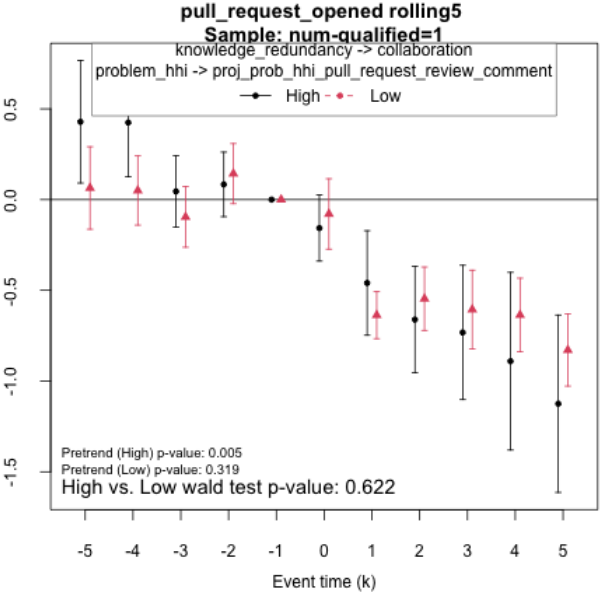

pull_request_merged rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_review
High
Low
Pretrend (High) p-value: 0.002
Pretrend (Low) p-value: 0.198
High vs. Low wald test p-value: 0.421
Event time (k)

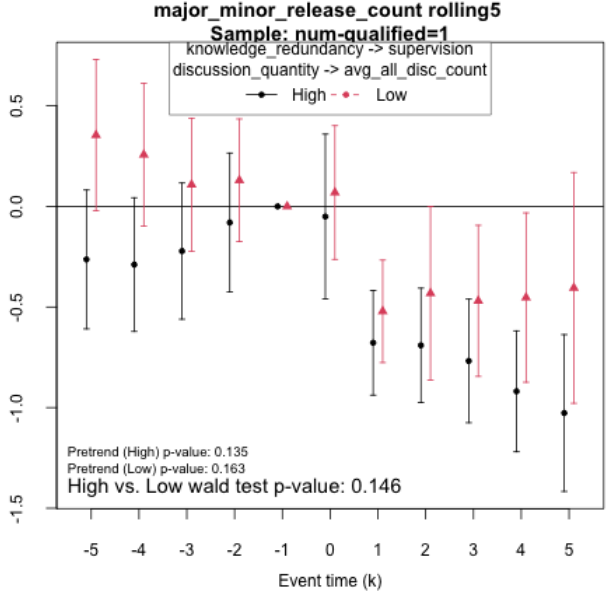

pull_request_opened rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_review
High
Low
Pretrend (High) p-value: 0.002
Pretrend (Low) p-value: 0.198
High vs. Low wald test p-value: 0.584
Event time (k)

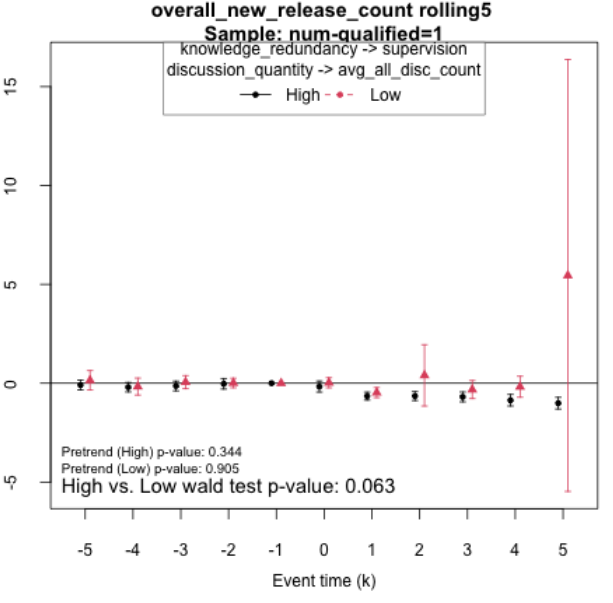

major_minor_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_review_comment
High
Low
Pretrend (High) p-value: 0.517
Pretrend (Low) p-value: 0.091
High vs. Low wald test p-value: 0.428
Event time (k)

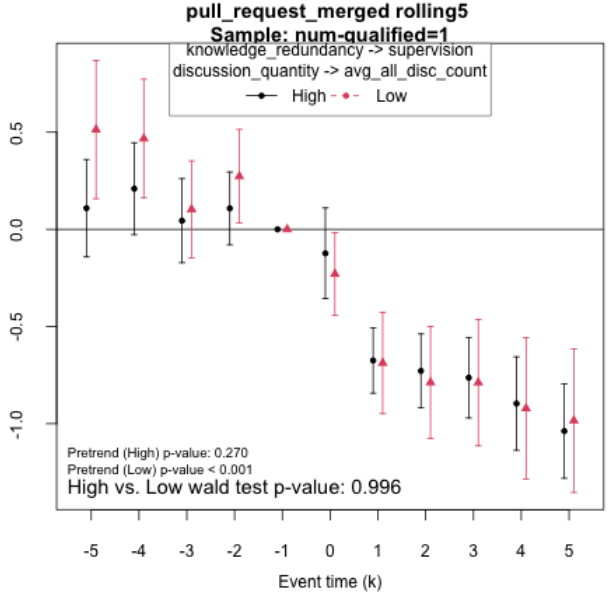

overall_new_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_review_comment
High
Low
Pretrend (High) p-value: 0.335
Pretrend (Low) p-value: 0.119
High vs. Low wald test p-value: 0.015
Event time (k)

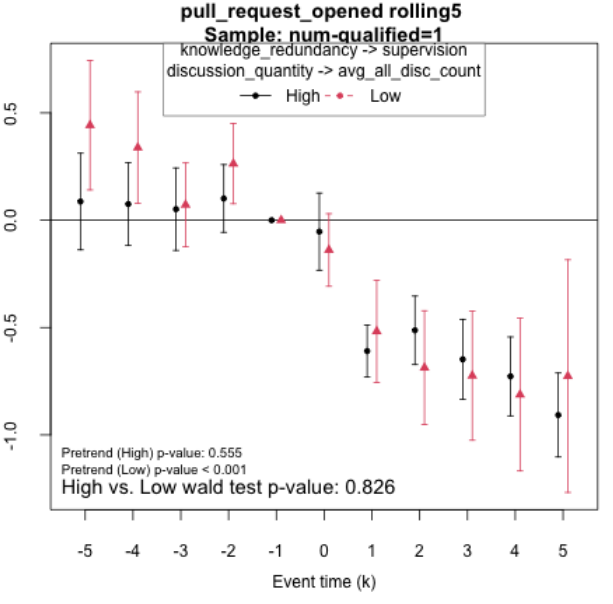

pull_request_merged rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_review_comment
High
Low
Pretrend (High) p-value: 0.003
Pretrend (Low) p-value: 0.212
High vs. Low wald test p-value: 0.729
Event time (k)

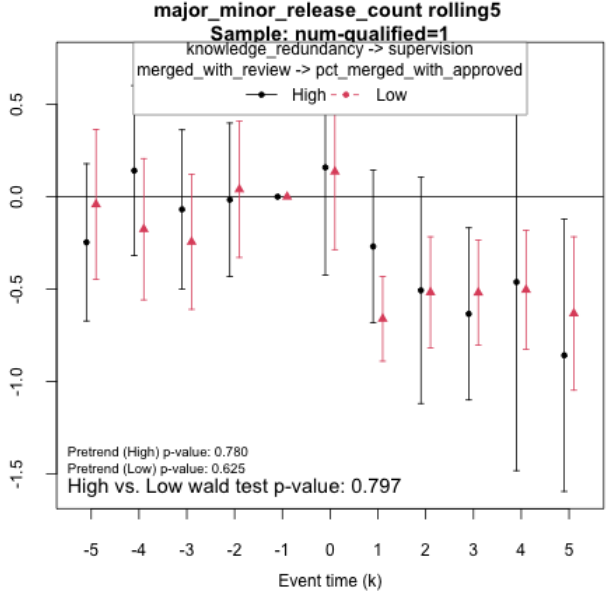

pull_request_opened rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_review_comment
High
Low
Pretrend (High) p-value: 0.005
Pretrend (Low) p-value: 0.319
High vs. Low wald test p-value: 0.622
Event time (k)

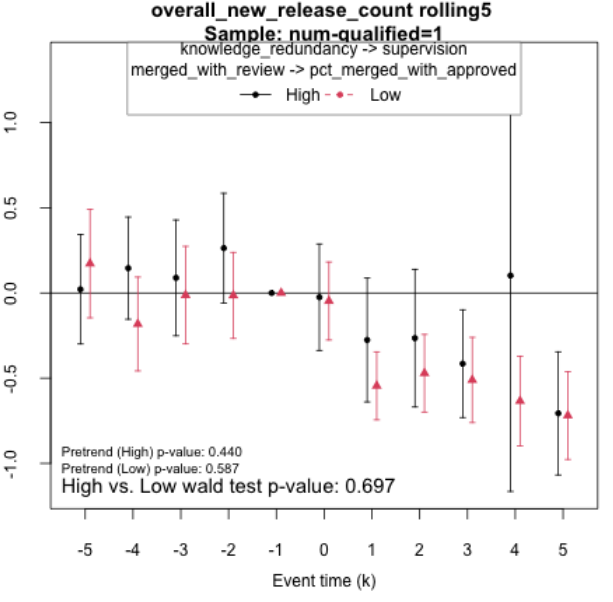

major_minor_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> supervision
discussion_quantity -> avg_all_disc_count
High
Low
Pretrend (High) p-value: 0.135
Pretrend (Low) p-value: 0.163
High vs. Low wald test p-value: 0.146
Event time (k)

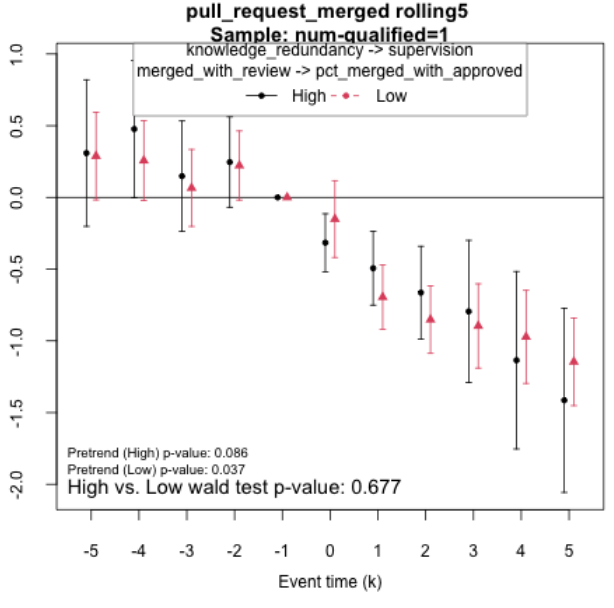

overall_new_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> supervision
discussion_quantity -> avg_all_disc_count
High
Low
Pretrend (High) p-value: 0.344
Pretrend (Low) p-value: 0.905
High vs. Low wald test p-value: 0.063
Event time (k)

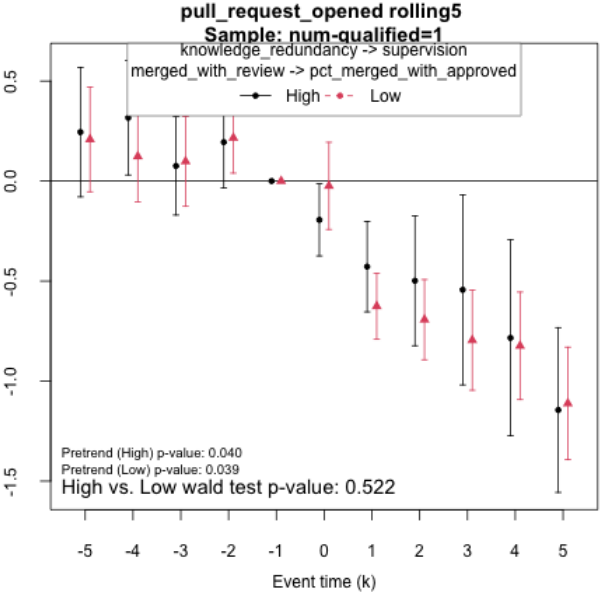

pull_request_merged rolling5
Sample: num-qualified=1
knowledge_redundancy -> supervision
discussion_quantity -> avg_all_disc_count
High
Low
Pretrend (High) p-value: 0.270
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.996
Event time (k)

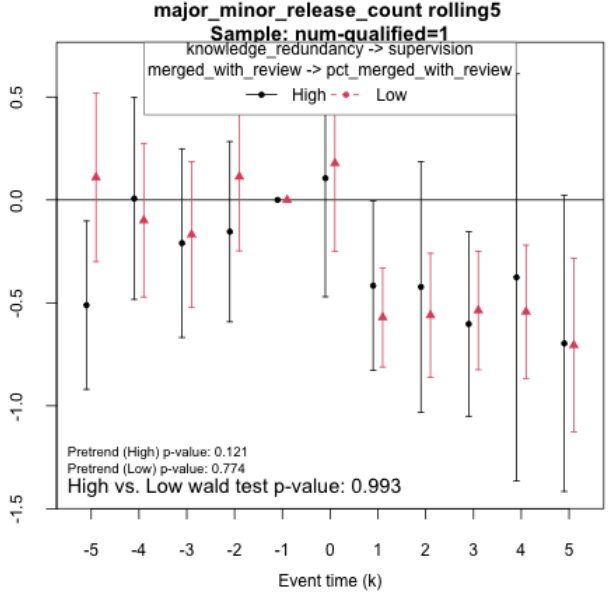

pull_request_opened rolling5
Sample: num-qualified=1
knowledge_redundancy -> supervision
discussion_quantity -> avg_all_disc_count
High
Low
Pretrend (High) p-value: 0.555
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.826
Event time (k)

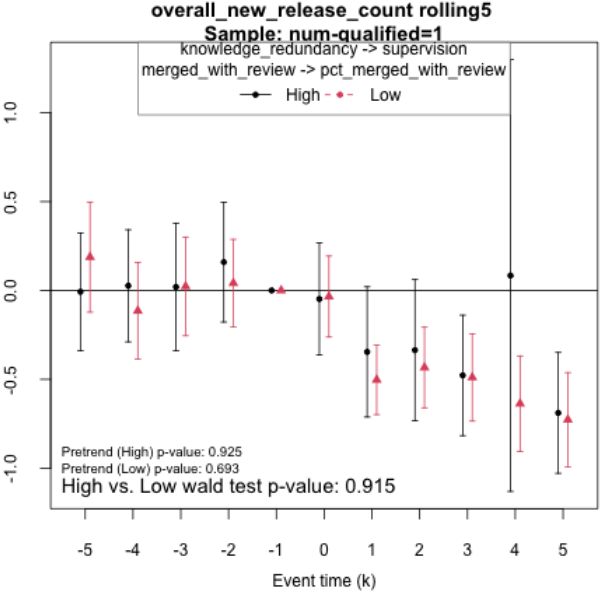

major_minor_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> supervision
merged_with_review -> pct_merged_with_approved
High
Low
Pretrend (High) p-value: 0.780
Pretrend (Low) p-value: 0.625
High vs. Low wald test p-value: 0.797
Event time (k)

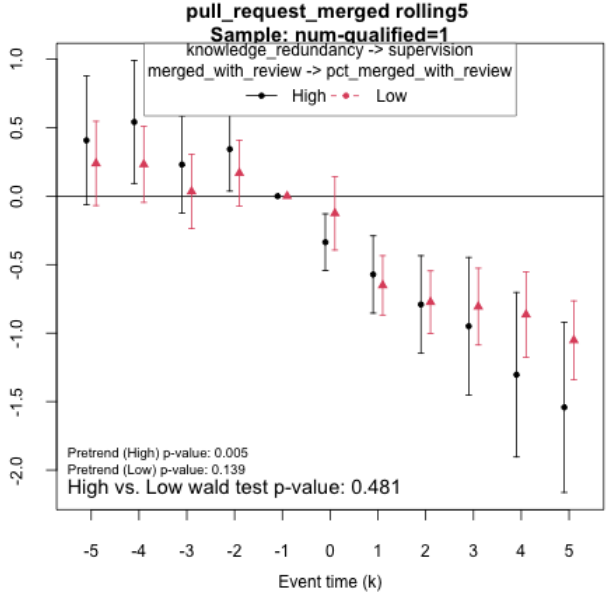

overall_new_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> supervision
merged_with_review -> pct_merged_with_approved
High
Low
Pretrend (High) p-value: 0.440
Pretrend (Low) p-value: 0.587
High vs. Low wald test p-value: 0.697
Event time (k)

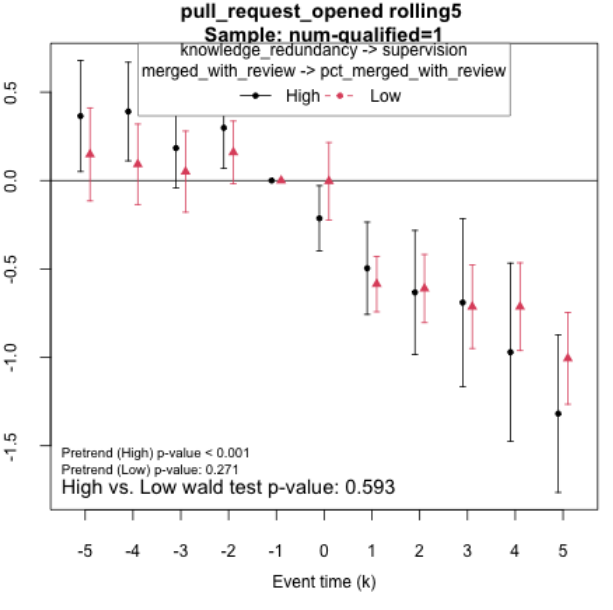

pull_request_merged rolling5
Sample: num-qualified=1
knowledge_redundancy -> supervision
merged_with_review -> pct_merged_with_approved
High
Low
Pretrend (High) p-value: 0.086
Pretrend (Low) p-value: 0.037
High vs. Low wald test p-value: 0.677
Event time (k)

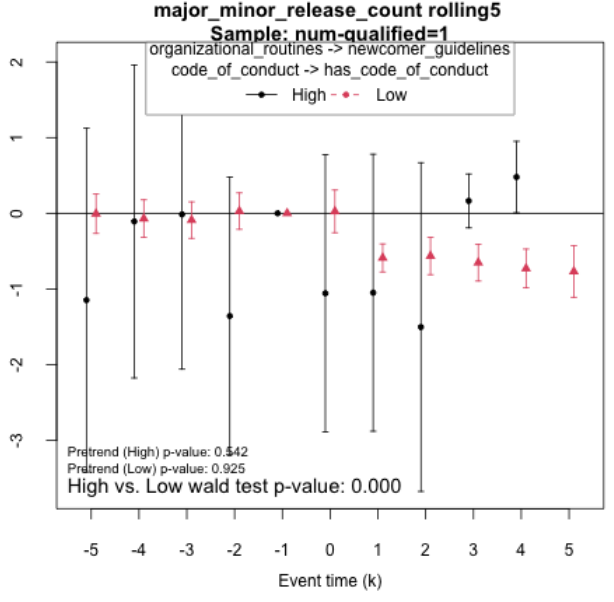

pull_request_opened rolling5
Sample: num-qualified=1
knowledge_redundancy -> supervision
merged_with_review -> pct_merged_with_approved
High
Low
Pretrend (High) p-value: 0.040
Pretrend (Low) p-value: 0.039
High vs. Low wald test p-value: 0.522
Event time (k)

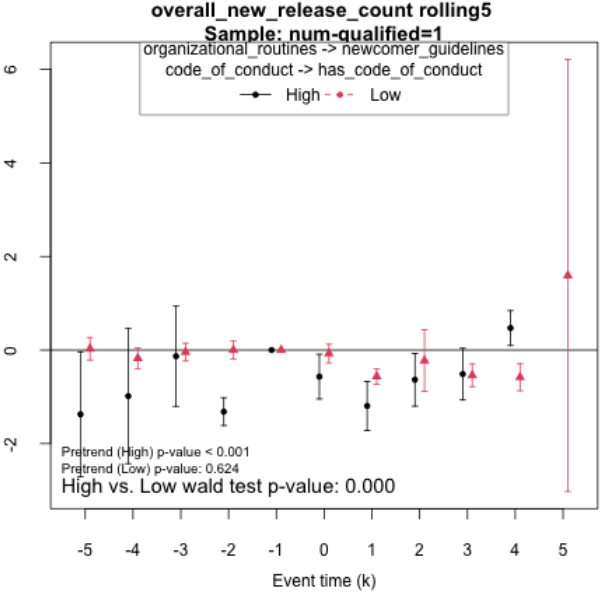

major_minor_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> supervision
merged_with_review -> pct_merged_with_review
High
Low
Pretrend (High) p-value: 0.121
Pretrend (Low) p-value: 0.774
High vs. Low wald test p-value: 0.993
Event time (k)

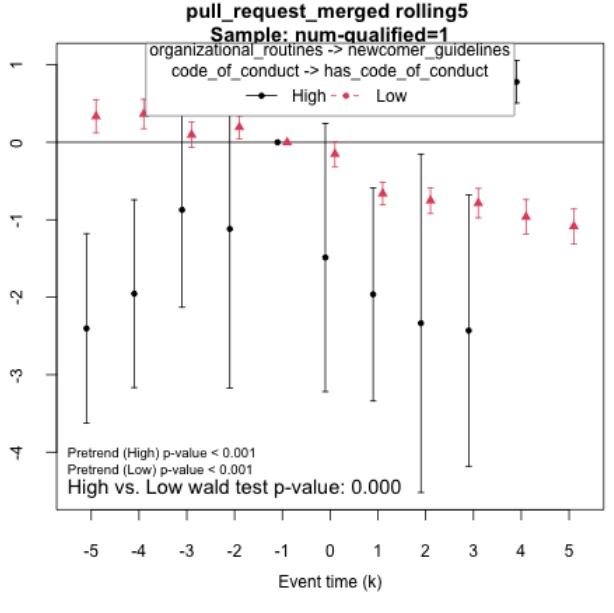

overall_new_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> supervision
merged_with_review -> pct_merged_with_review
High
Low
Pretrend (High) p-value: 0.925
Pretrend (Low) p-value: 0.693
High vs. Low wald test p-value: 0.915
Event time (k)

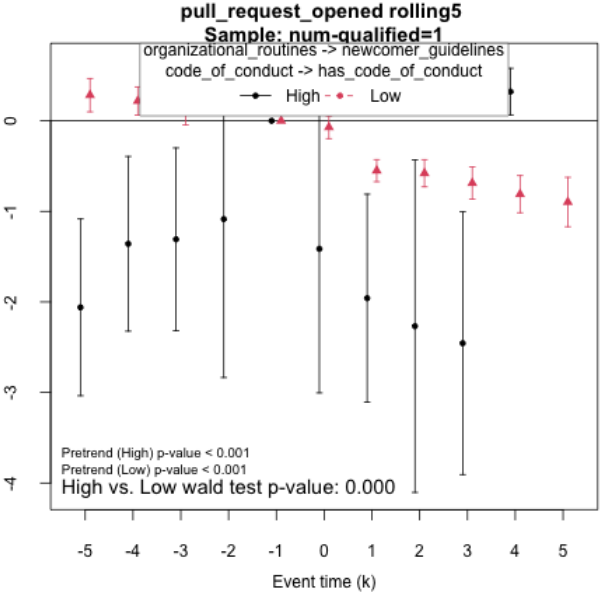

pull_request_merged rolling5
Sample: num-qualified=1
knowledge_redundancy -> supervision
merged_with_review -> pct_merged_with_review
High
Low
Pretrend (High) p-value: 0.005
Pretrend (Low) p-value: 0.139
High vs. Low wald test p-value: 0.481
Event time (k)

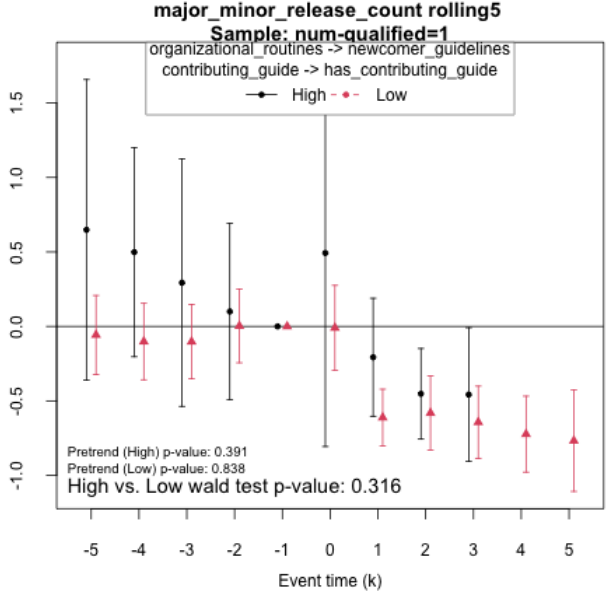

pull_request_opened rolling5
Sample: num-qualified=1
knowledge_redundancy -> supervision
merged_with_review -> pct_merged_with_review
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.271
High vs. Low wald test p-value: 0.593
Event time (k)

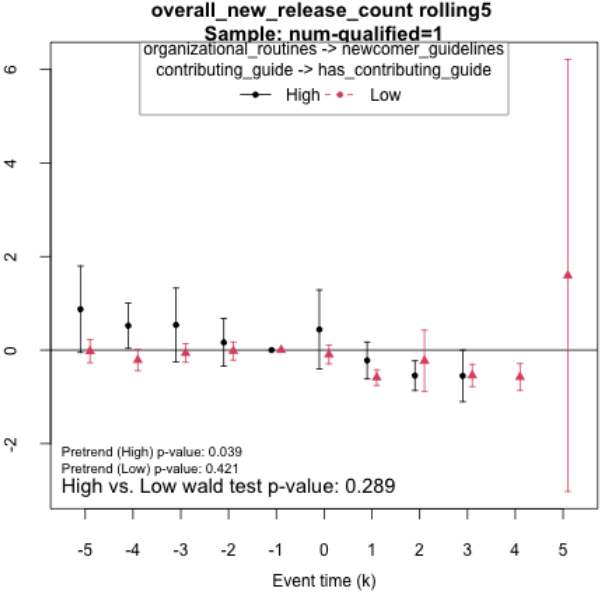

major_minor_release_count rolling5
Sample: num-qualified=1
organizational_routines -> newcomer_guidelines
code_of_conduct -> has_code_of_conduct
High
Low
Pretrend (High) p-value: 0.542
Pretrend (Low) p-value: 0.925
High vs. Low wald test p-value: 0.000
Event time (k)

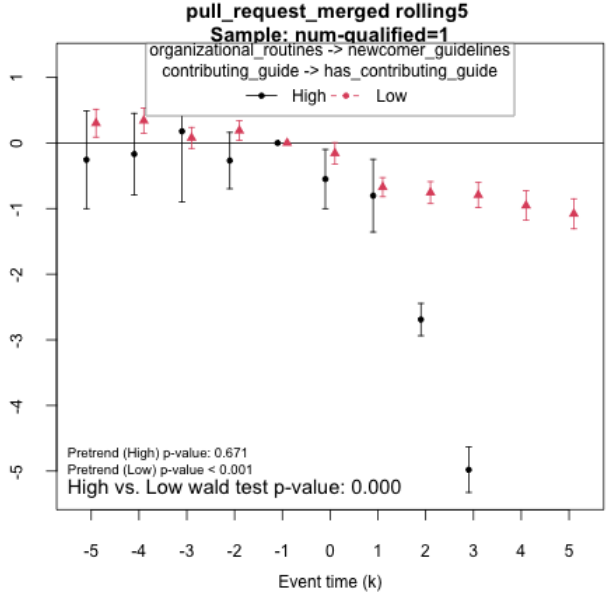

overall_new_release_count rolling5
Sample: num-qualified=1
organizational_routines -> newcomer_guidelines
code_of_conduct -> has_code_of_conduct
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.624
High vs. Low wald test p-value: 0.000
Event time (k)

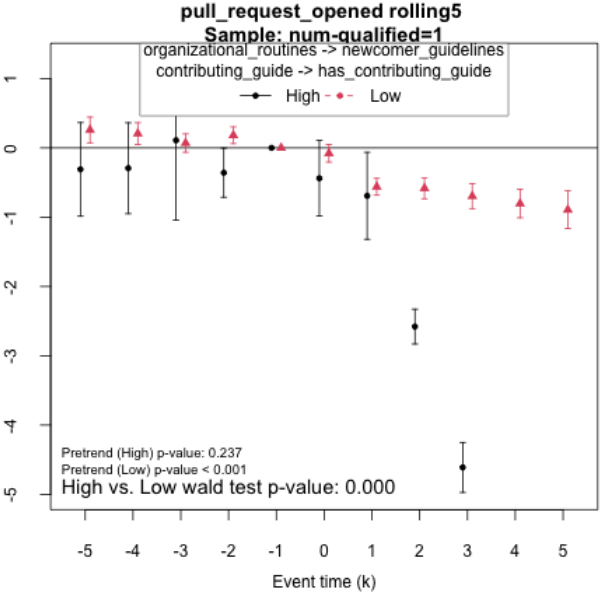

pull_request_merged rolling5
Sample: num-qualified=1
organizational_routines -> newcomer_guidelines
code_of_conduct -> has_code_of_conduct
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.000
Event time (k)

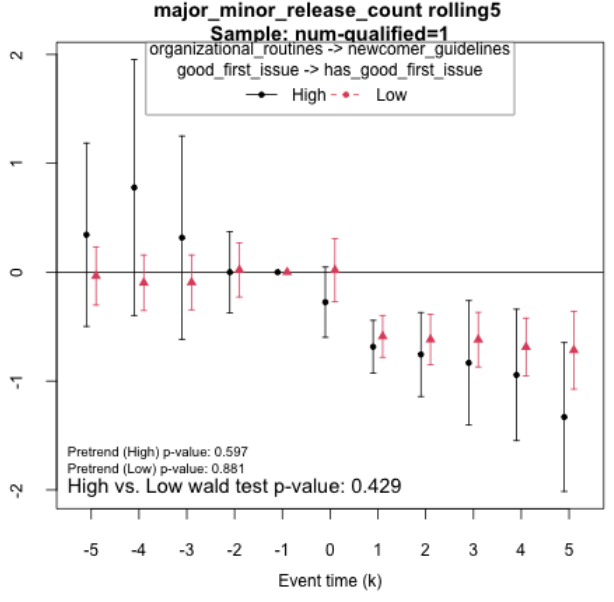

pull_request_opened rolling5
Sample: num-qualified=1
organizational_routines -> newcomer_guidelines
code_of_conduct -> has_code_of_conduct
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.000
Event time (k)

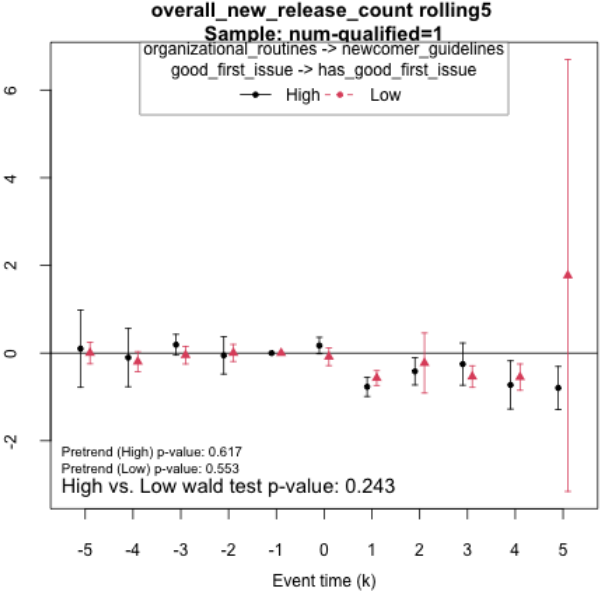

major_minor_release_count rolling5
Sample: num-qualified=1
organizational_routines -> newcomer_guidelines
contributing_guide -> has_contributing_guide
High
Low
Pretrend (High) p-value: 0.391
Pretrend (Low) p-value: 0.838
High vs. Low wald test p-value: 0.316
Event time (k)

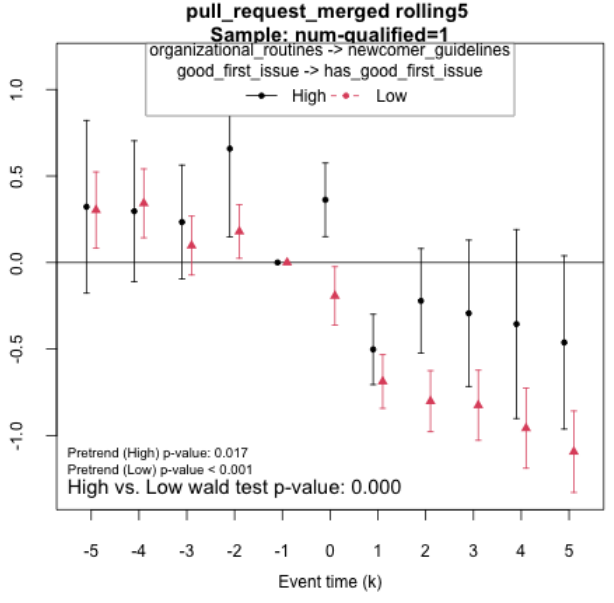

overall_new_release_count rolling5
Sample: num-qualified=1
organizational_routines -> newcomer_guidelines
contributing_guide -> has_contributing_guide
High
Low
Pretrend (High) p-value: 0.039
Pretrend (Low) p-value: 0.421
High vs. Low wald test p-value: 0.289
Event time (k)

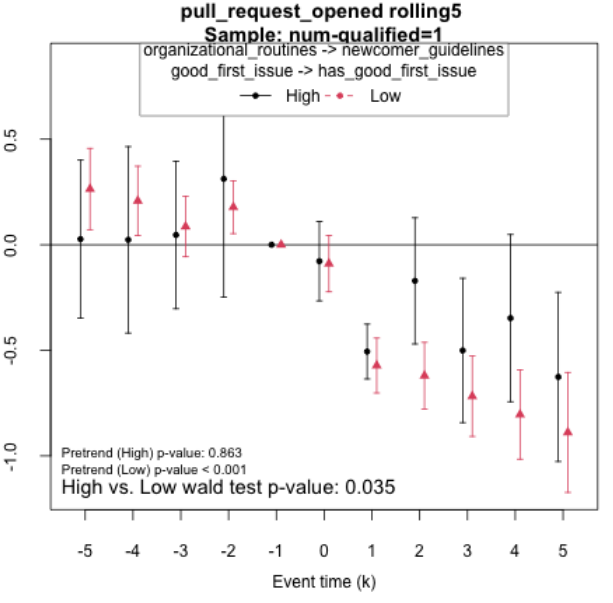

pull_request_merged rolling5
Sample: num-qualified=1
organizational_routines -> newcomer_guidelines
contributing_guide -> has_contributing_guide
High
Low
Pretrend (High) p-value: 0.671
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.000
Event time (k)

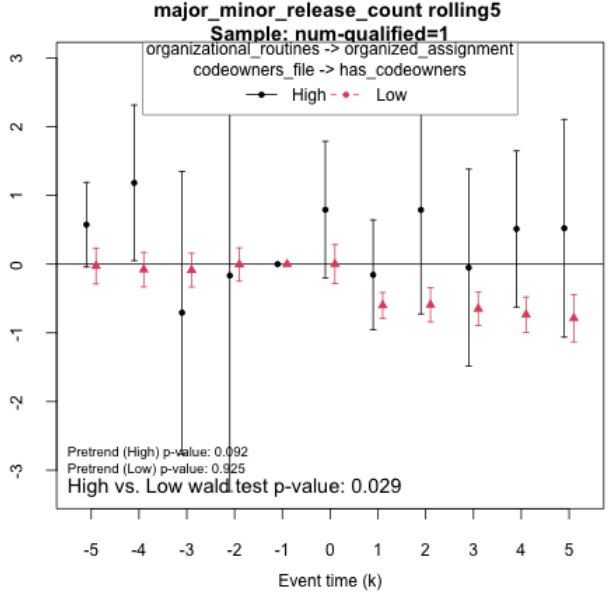

pull_request_opened rolling5
Sample: num-qualified=1
organizational_routines -> newcomer_guidelines
contributing_guide -> has_contributing_guide
High
Low
Pretrend (High) p-value: 0.237
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.000
Event time (k)

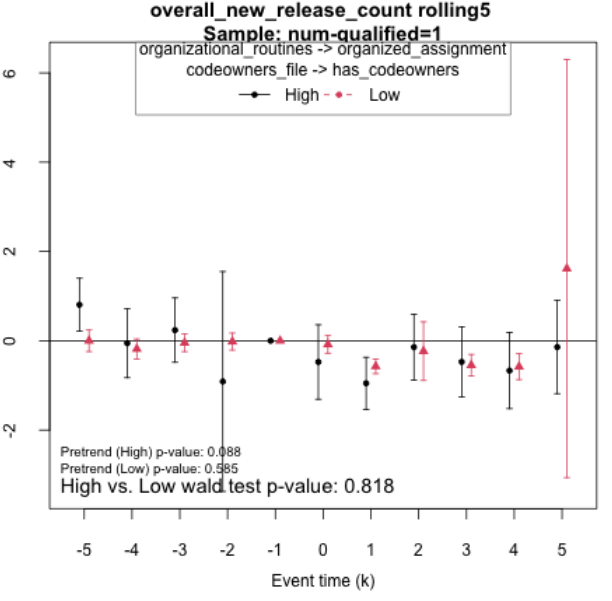

major_minor_release_count rolling5
Sample: num-qualified=1
organizational_routines -> newcomer_guidelines
good_first_issue -> has_good_first_issue
High
Low
Pretrend (High) p-value: 0.597
Pretrend (Low) p-value: 0.881
High vs. Low wald test p-value: 0.429
Event time (k)

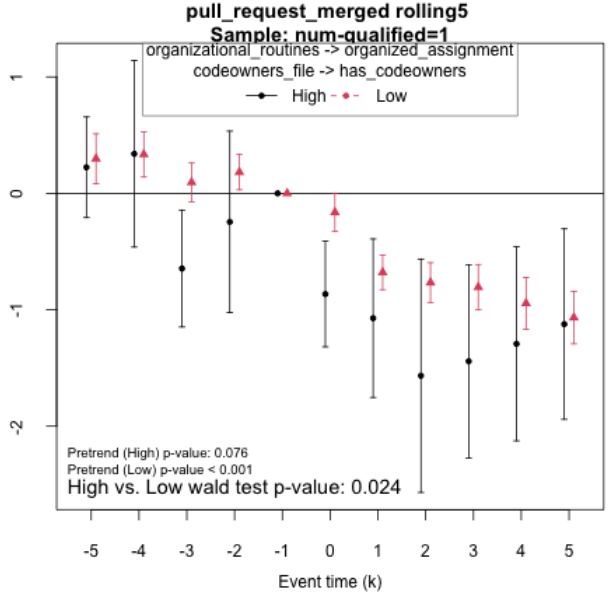

overall_new_release_count rolling5
Sample: num-qualified=1
organizational_routines -> newcomer_guidelines
good_first_issue -> has_good_first_issue
High
Low
Pretrend (High) p-value: 0.617
Pretrend (Low) p-value: 0.553
High vs. Low wald test p-value: 0.243
Event time (k)

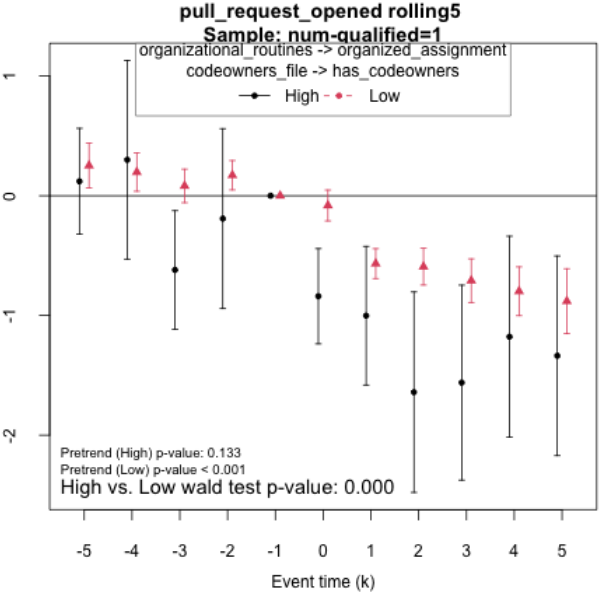

pull_request_merged rolling5
Sample: num-qualified=1
organizational_routines -> newcomer_guidelines
good_first_issue -> has_good_first_issue
High
Low
Pretrend (High) p-value: 0.017
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.000
Event time (k)

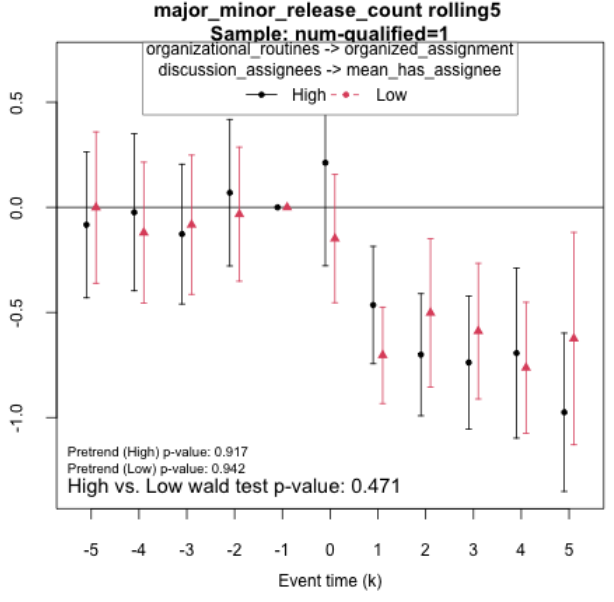

pull_request_opened rolling5
Sample: num-qualified=1
organizational_routines -> newcomer_guidelines
good_first_issue -> has_good_first_issue
High
Low
Pretrend (High) p-value: 0.863
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.035
Event time (k)

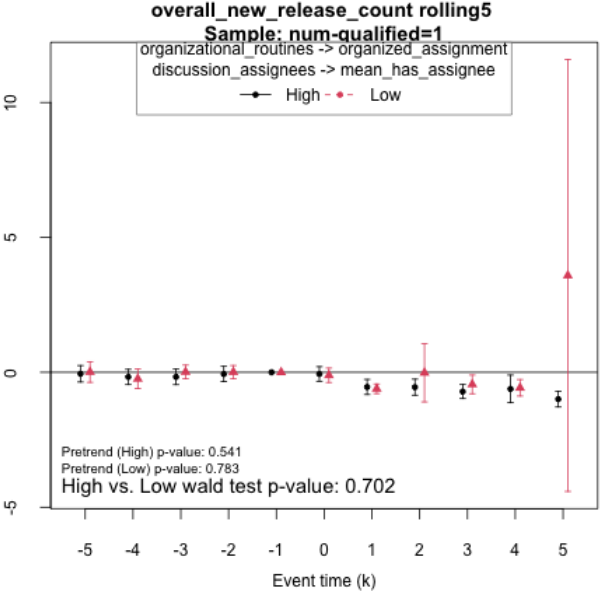

major_minor_release_count rolling5
Sample: num-qualified=1
organizational_routines -> organized_assignment
codeowners_file -> has_codeowners
High
Low
Pretrend (High) p-value: 0.092
Pretrend (Low) p-value: 0.925
High vs. Low wald test p-value: 0.029
Event time (k)

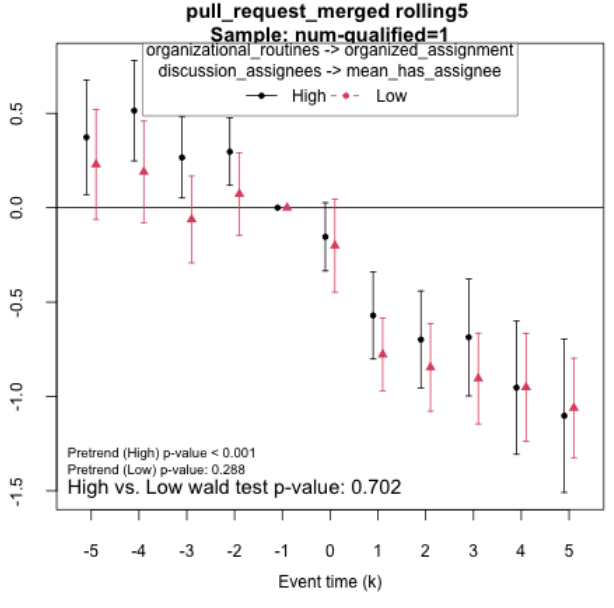

overall_new_release_count rolling5
Sample: num-qualified=1
organizational_routines -> organized_assignment
codeowners_file -> has_codeowners
High
Low
Pretrend (High) p-value: 0.088
Pretrend (Low) p-value: 0.585
High vs. Low wald test p-value: 0.818
Event time (k)

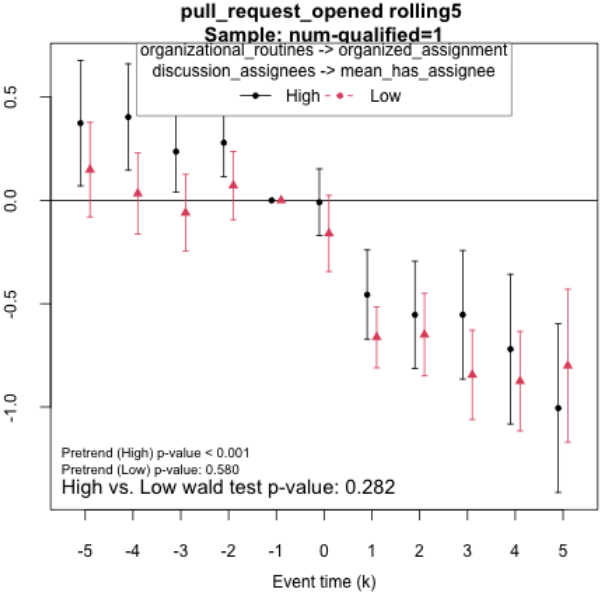

pull_request_merged rolling5
Sample: num-qualified=1
organizational_routines -> organized_assignment
codeowners_file -> has_codeowners
High
Low
Pretrend (High) p-value: 0.076
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.024
Event time (k)

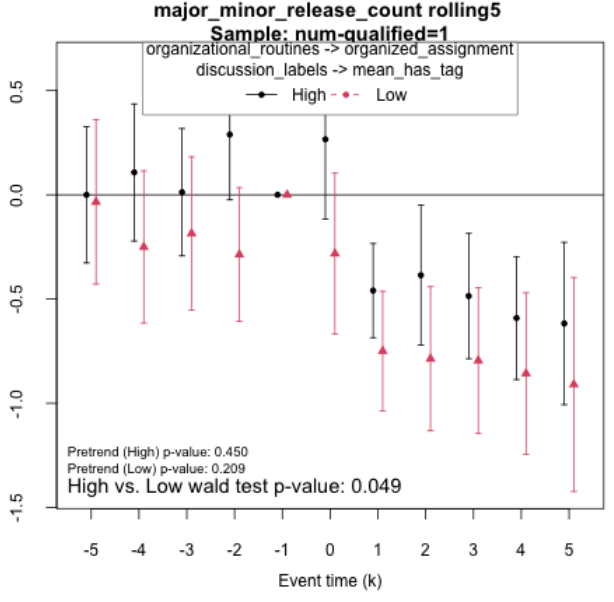

pull_request_opened rolling5
Sample: num-qualified=1
organizational_routines -> organized_assignment
codeowners_file -> has_codeowners
High
Low
Pretrend (High) p-value: 0.133
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.000
Event time (k)

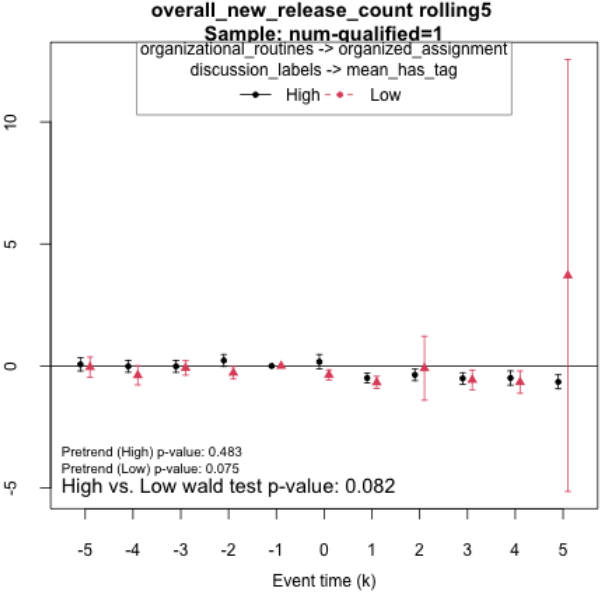

major_minor_release_count rolling5
Sample: num-qualified=1
organizational_routines -> organized_assignment
discussion_assignees -> mean_has_assignee
High
Low
Pretrend (High) p-value: 0.917
Pretrend (Low) p-value: 0.942
High vs. Low wald test p-value: 0.471
Event time (k)

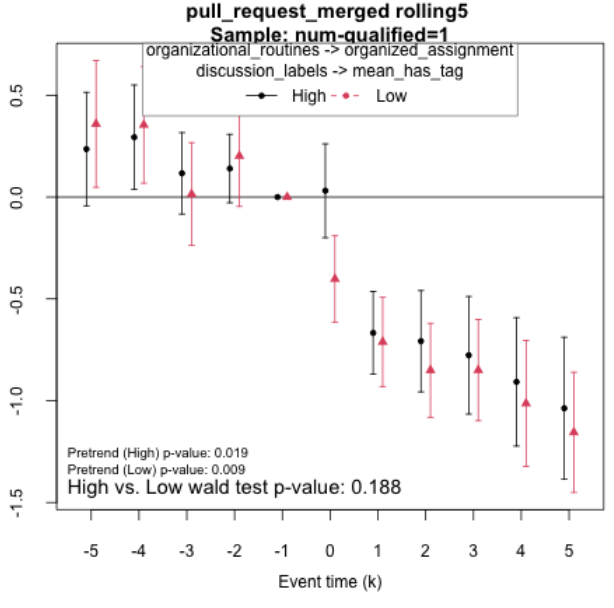

overall_new_release_count rolling5
Sample: num-qualified=1
organizational_routines -> organized_assignment
discussion_assignees -> mean_has_assignee
High
Low
Pretrend (High) p-value: 0.541
Pretrend (Low) p-value: 0.783
High vs. Low wald test p-value: 0.702
Event time (k)

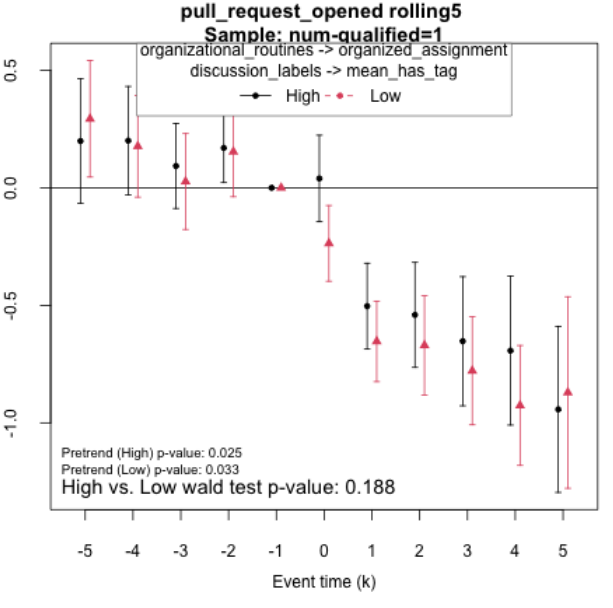

pull_request_merged rolling5
Sample: num-qualified=1
organizational_routines -> organized_assignment
discussion_assignees -> mean_has_assignee
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.288
High vs. Low wald test p-value: 0.702
Event time (k)

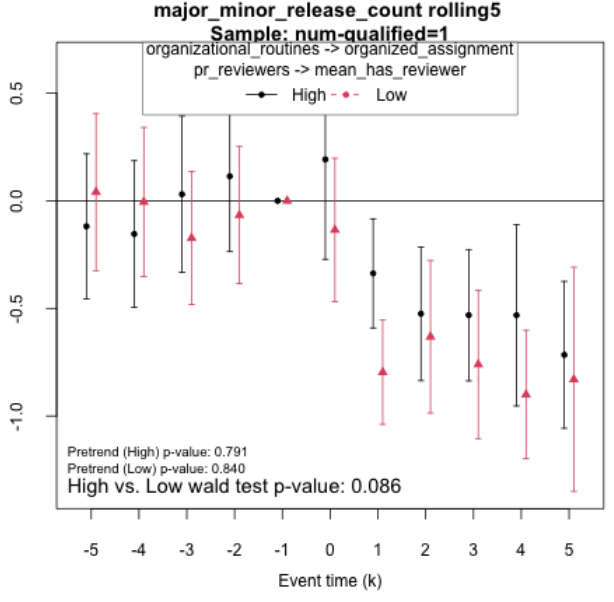

pull_request_opened rolling5
Sample: num-qualified=1
organizational_routines -> organized_assignment
discussion_assignees -> mean_has_assignee
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.580
High vs. Low wald test p-value: 0.282
Event time (k)

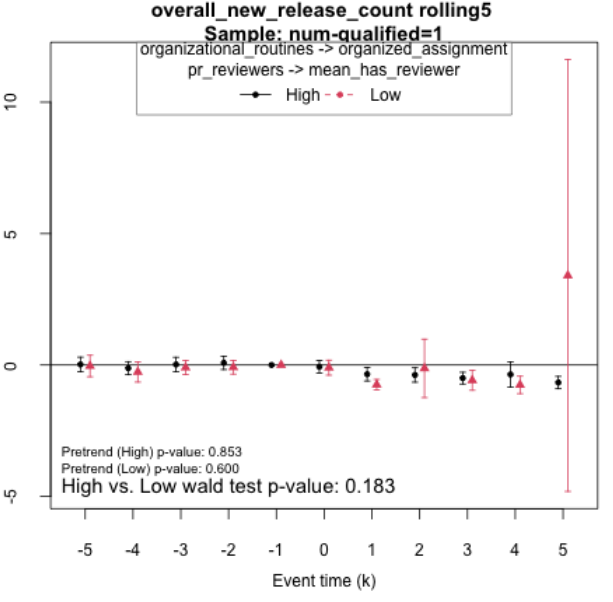

major_minor_release_count rolling5
Sample: num-qualified=1
organizational_routines -> organized_assignment
discussion_labels -> mean_has_tag
High
Low
Pretrend (High) p-value: 0.450
Pretrend (Low) p-value: 0.209
High vs. Low wald test p-value: 0.049
Event time (k)

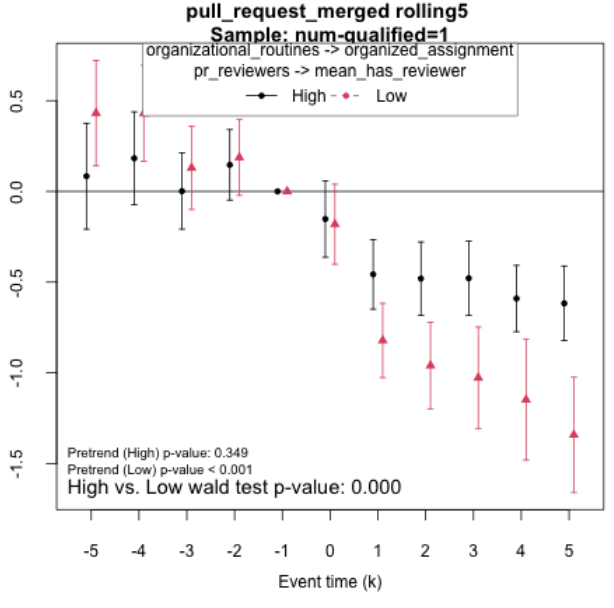

overall_new_release_count rolling5
Sample: num-qualified=1
organizational_routines -> organized_assignment
discussion_labels -> mean_has_tag
High
Low
Pretrend (High) p-value: 0.483
Pretrend (Low) p-value: 0.075
High vs. Low wald test p-value: 0.082
Event time (k)

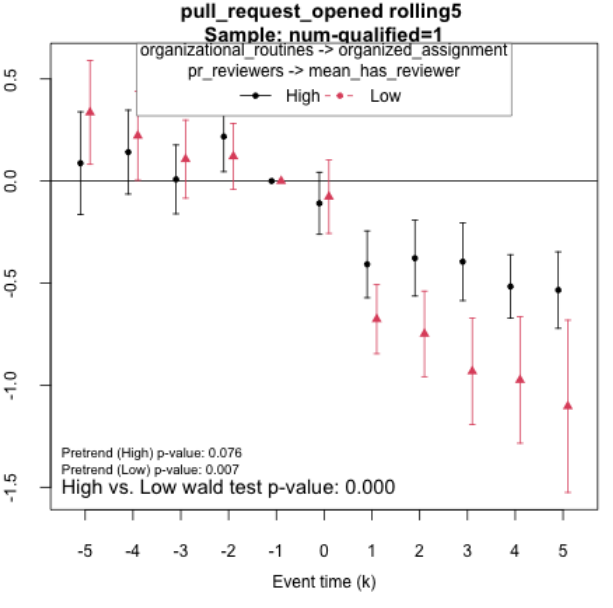

pull_request_merged rolling5
Sample: num-qualified=1
organizational_routines -> organized_assignment
discussion_labels -> mean_has_tag
High
Low
Pretrend (High) p-value: 0.019
Pretrend (Low) p-value: 0.009
High vs. Low wald test p-value: 0.188
Event time (k)

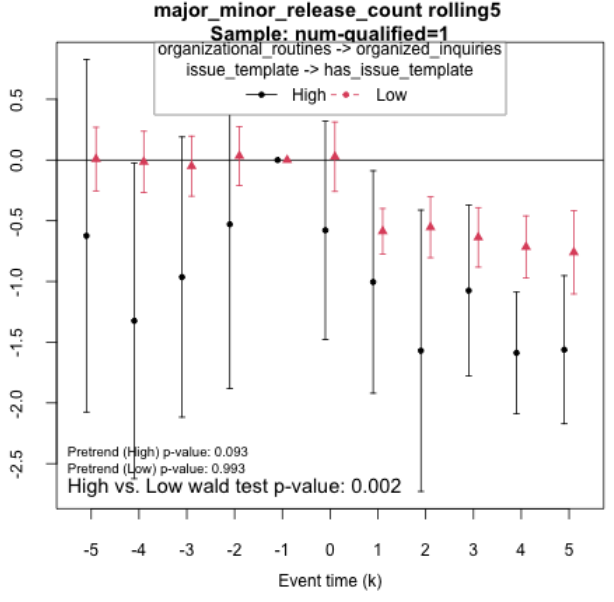

pull_request_opened rolling5
Sample: num-qualified=1
organizational_routines -> organized_assignment
discussion_labels -> mean_has_tag
High
Low
Pretrend (High) p-value: 0.025
Pretrend (Low) p-value: 0.033
High vs. Low wald test p-value: 0.188
Event time (k)

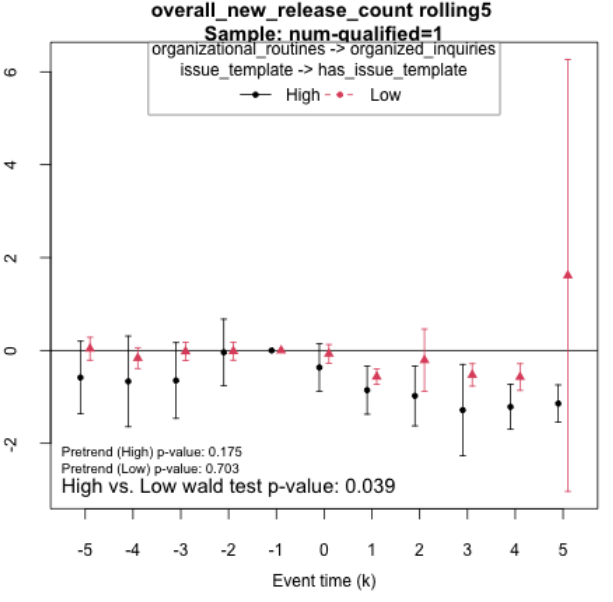

major_minor_release_count rolling5
Sample: num-qualified=1
organizational_routines -> organized_assignment
pr_reviewers -> mean_has_reviewer
High
Low
Pretrend (High) p-value: 0.791
Pretrend (Low) p-value: 0.840
High vs. Low wald test p-value: 0.086
Event time (k)

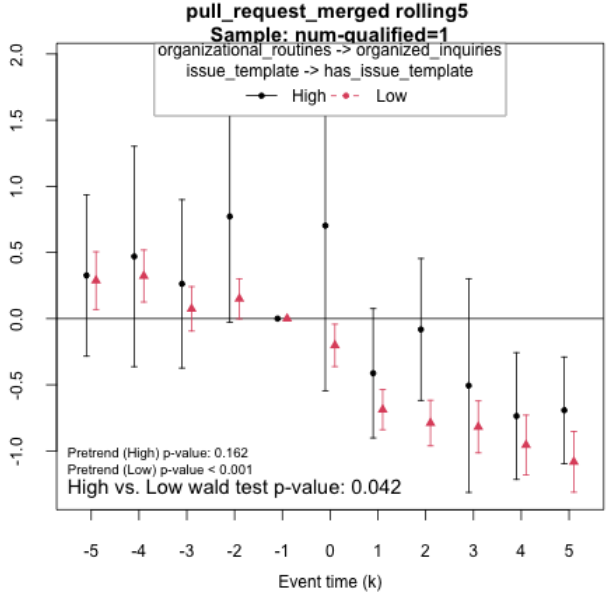

overall_new_release_count rolling5
Sample: num-qualified=1
organizational_routines -> organized_assignment
pr_reviewers -> mean_has_reviewer
High
Low
Pretrend (High) p-value: 0.853
Pretrend (Low) p-value: 0.600
High vs. Low wald test p-value: 0.183
Event time (k)

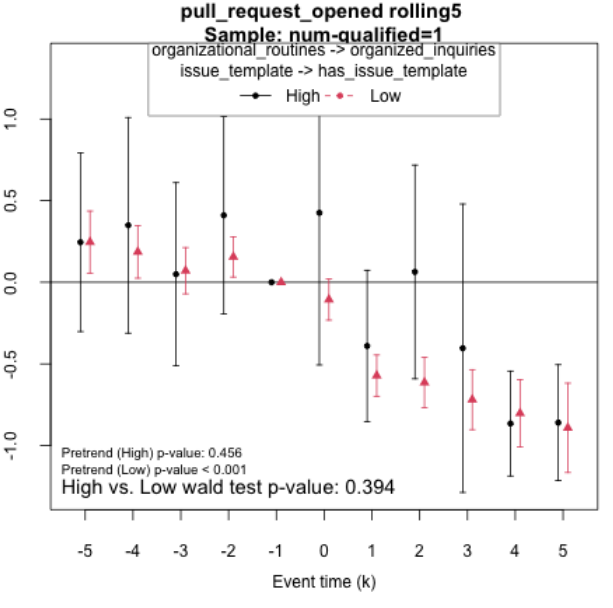

pull_request_merged rolling5
Sample: num-qualified=1
organizational_routines -> organized_assignment
pr_reviewers -> mean_has_reviewer
High
Low
Pretrend (High) p-value: 0.349
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.000
Event time (k)

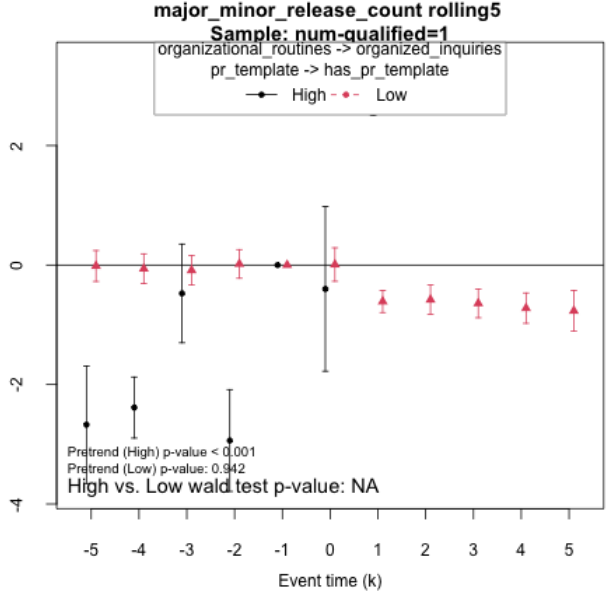

pull_request_opened rolling5
Sample: num-qualified=1
organizational_routines -> organized_assignment
pr_reviewers -> mean_has_reviewer
High
Low
Pretrend (High) p-value: 0.076
Pretrend (Low) p-value: 0.007
High vs. Low wald test p-value: 0.000
Event time (k)

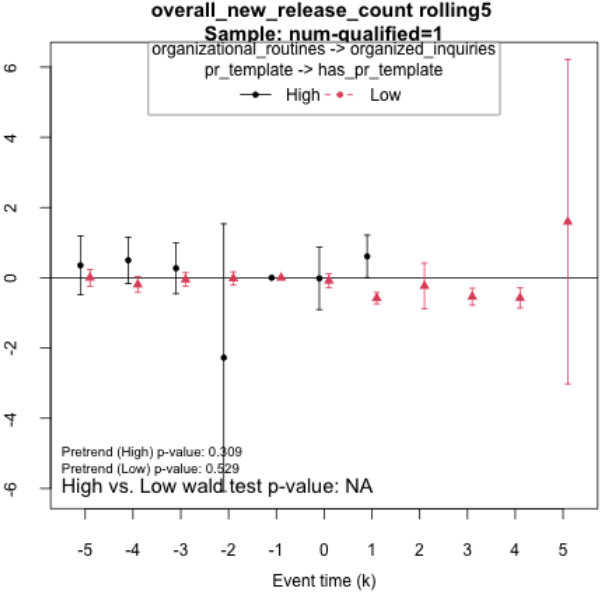

major_minor_release_count rolling5
Sample: num-qualified=1
organizational_routines -> organized_inquiries
issue_template -> has_issue_template
High
Low
Pretrend (High) p-value: 0.093
Pretrend (Low) p-value: 0.993
High vs. Low wald test p-value: 0.002
Event time (k)

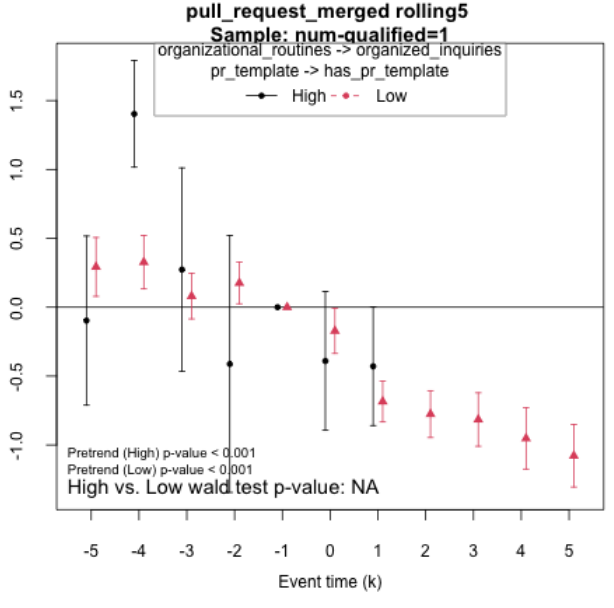

overall_new_release_count rolling5
Sample: num-qualified=1
organizational_routines -> organized_inquiries
issue_template -> has_issue_template
High
Low
Pretrend (High) p-value: 0.175
Pretrend (Low) p-value: 0.703
High vs. Low wald test p-value: 0.039
Event time (k)

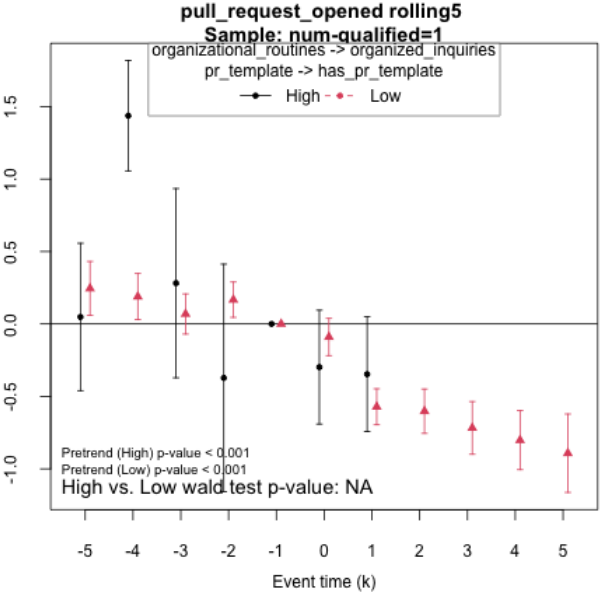

pull_request_merged rolling5
Sample: num-qualified=1
organizational_routines -> organized_inquiries
issue_template -> has_issue_template
High
Low
Pretrend (High) p-value: 0.162
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.042
Event time (k)

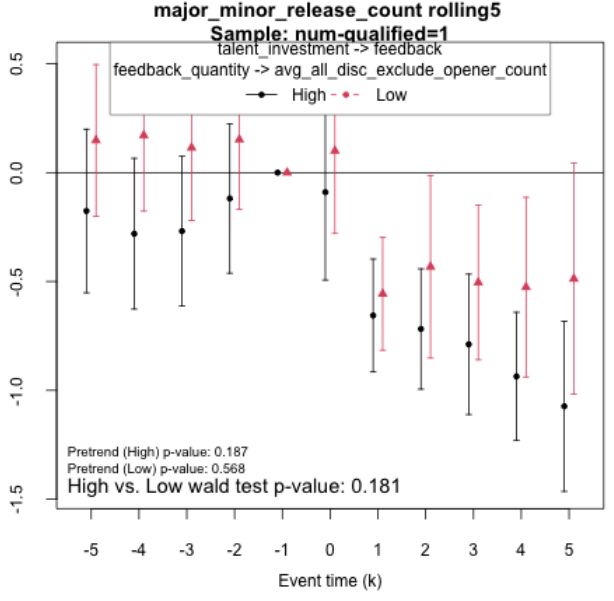

pull_request_opened rolling5
Sample: num-qualified=1
organizational_routines -> organized_inquiries
issue_template -> has_issue_template
High
Low
Pretrend (High) p-value: 0.456
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.394
Event time (k)

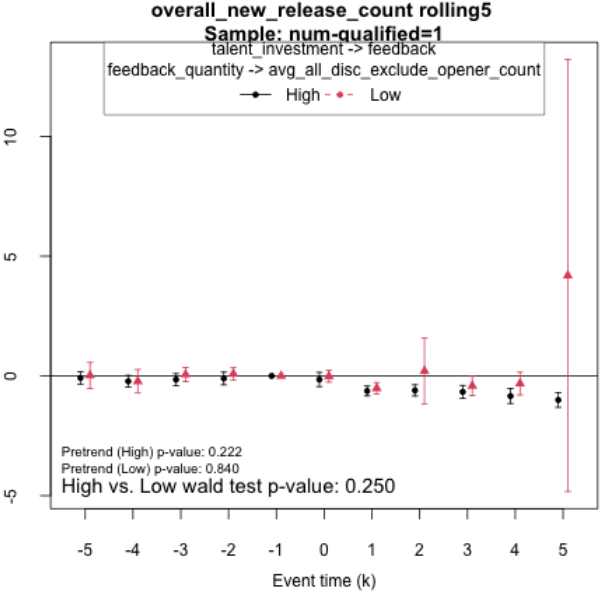

major_minor_release_count rolling5
Sample: num-qualified=1
organizational_routines -> organized_inquiries
pr_template -> has_pr_template
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.942
High vs. Low wald test p-value: NA
Event time (k)

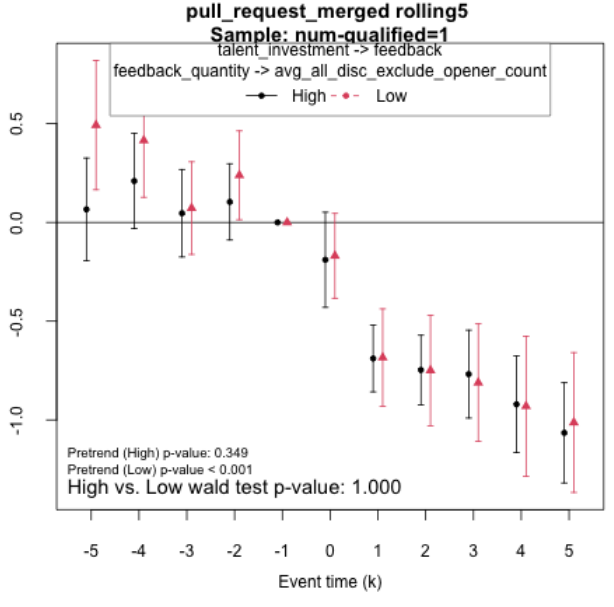

overall_new_release_count rolling5
Sample: num-qualified=1
organizational_routines -> organized_inquiries
pr_template -> has_pr_template
High
Low
Pretrend (High) p-value: 0.309
Pretrend (Low) p-value: 0.529
High vs. Low wald test p-value: NA
Event time (k)

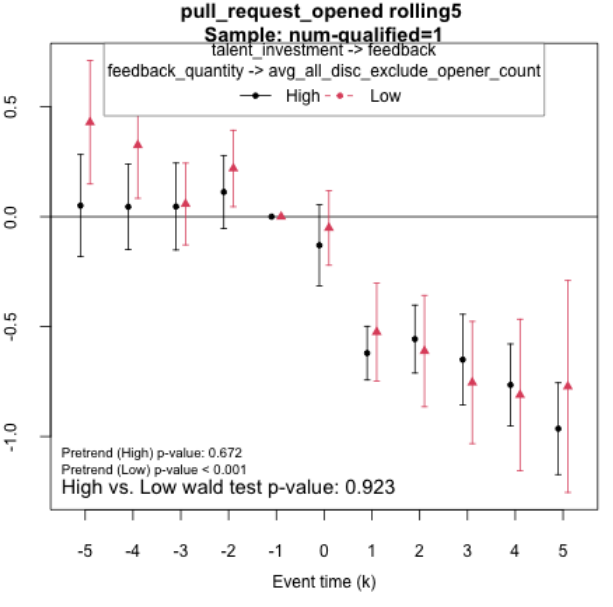

pull_request_merged rolling5
Sample: num-qualified=1
organizational_routines -> organized_inquiries
pr_template -> has_pr_template
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: NA
Event time (k)

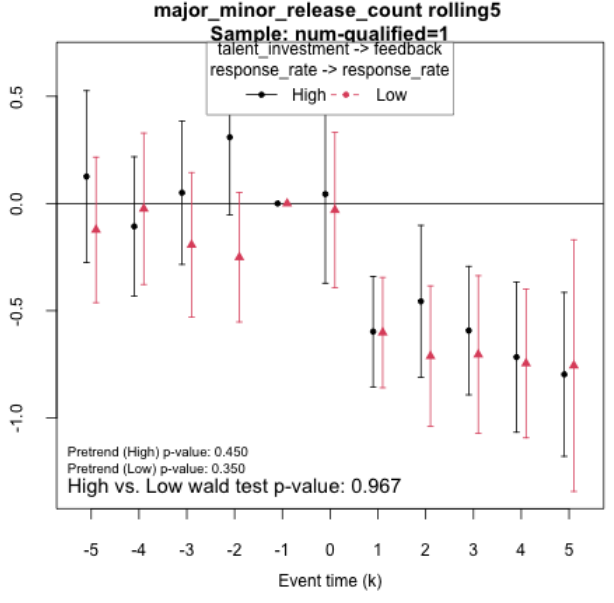

pull_request_opened rolling5
Sample: num-qualified=1
organizational_routines -> organized_inquiries
pr_template -> has_pr_template
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: NA
Event time (k)

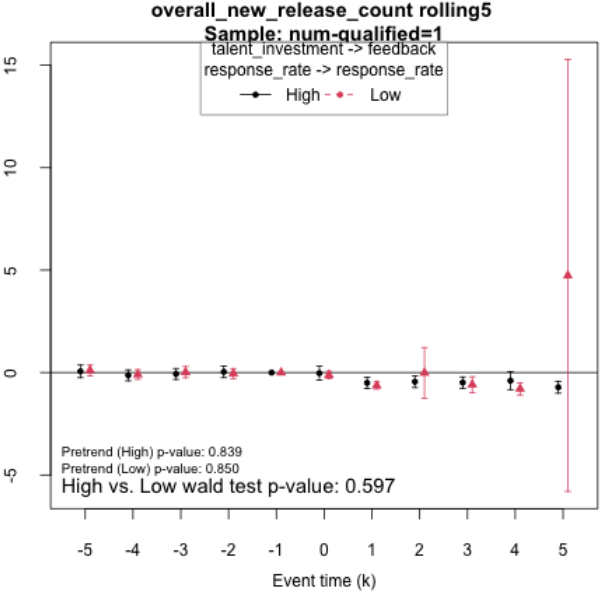

major_minor_release_count rolling5
Sample: num-qualified=1
talent_investment -> feedback
feedback_quantity -> avg_all_disc_exclude_opener_count
High
Low
Pretrend (High) p-value: 0.187
Pretrend (Low) p-value: 0.568
High vs. Low wald test p-value: 0.181
Event time (k)

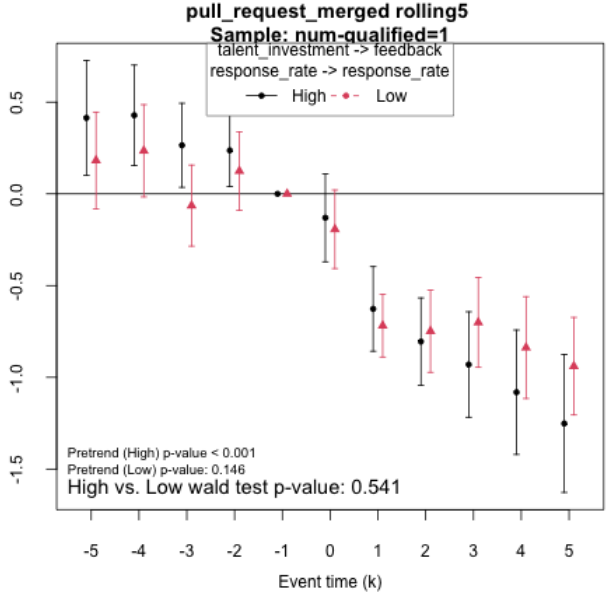

overall_new_release_count rolling5
Sample: num-qualified=1
talent_investment -> feedback
feedback_quantity -> avg_all_disc_exclude_opener_count
High
Low
Pretrend (High) p-value: 0.222
Pretrend (Low) p-value: 0.840
High vs. Low wald test p-value: 0.250
Event time (k)

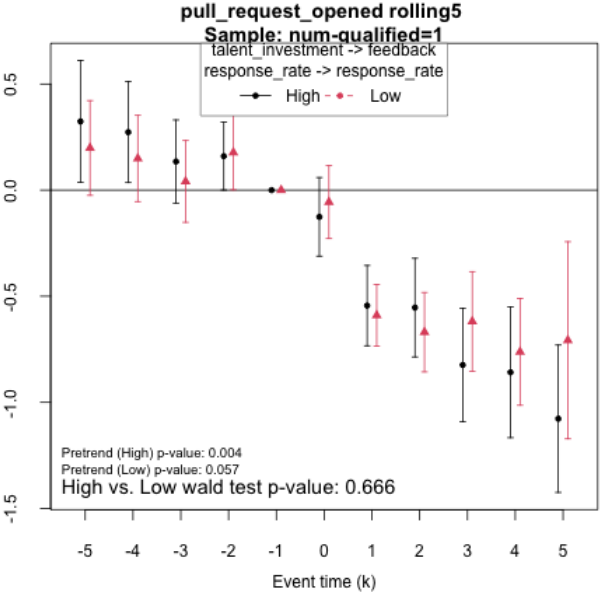

pull_request_merged rolling5
Sample: num-qualified=1
talent_investment -> feedback
feedback_quantity -> avg_all_disc_exclude_opener_count
High
Low
Pretrend (High) p-value: 0.349
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 1.000
Event time (k)

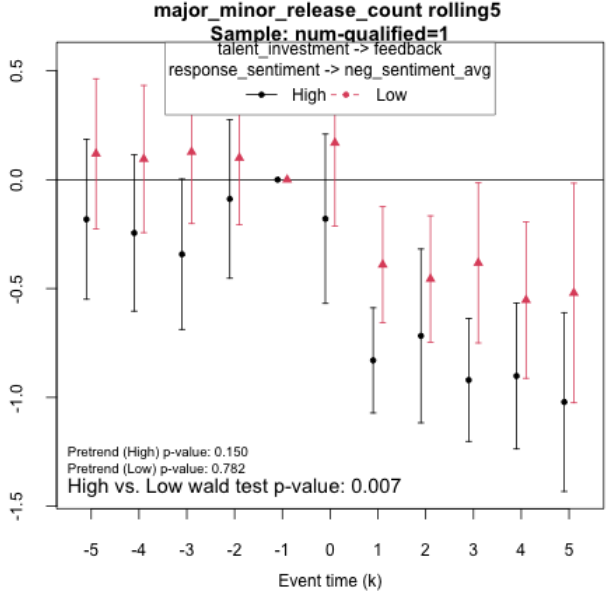

pull_request_opened rolling5
Sample: num-qualified=1
talent_investment -> feedback
feedback_quantity -> avg_all_disc_exclude_opener_count
High
Low
Pretrend (High) p-value: 0.672
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.923
Event time (k)

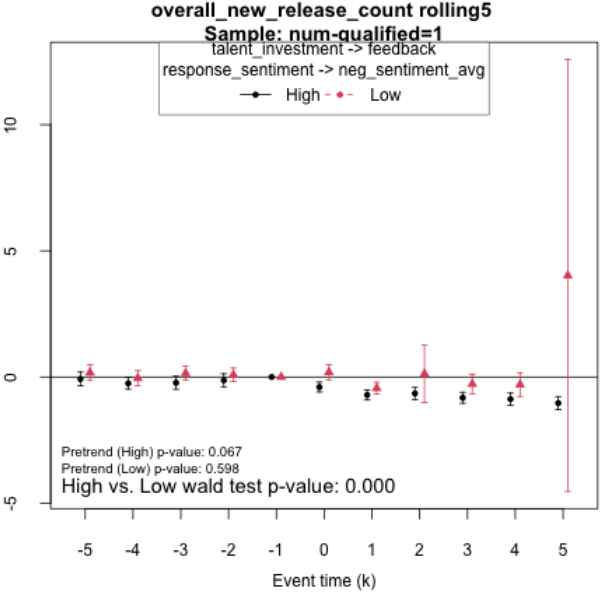

major_minor_release_count rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_rate -> response_rate
High
Low
Pretrend (High) p-value: 0.450
Pretrend (Low) p-value: 0.350
High vs. Low wald test p-value: 0.967
Event time (k)

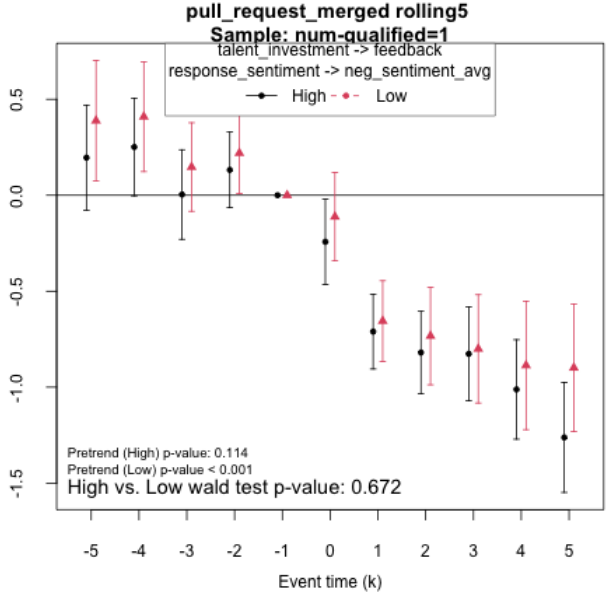

overall_new_release_count rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_rate -> response_rate
High
Low
Pretrend (High) p-value: 0.839
Pretrend (Low) p-value: 0.850
High vs. Low wald test p-value: 0.597
Event time (k)

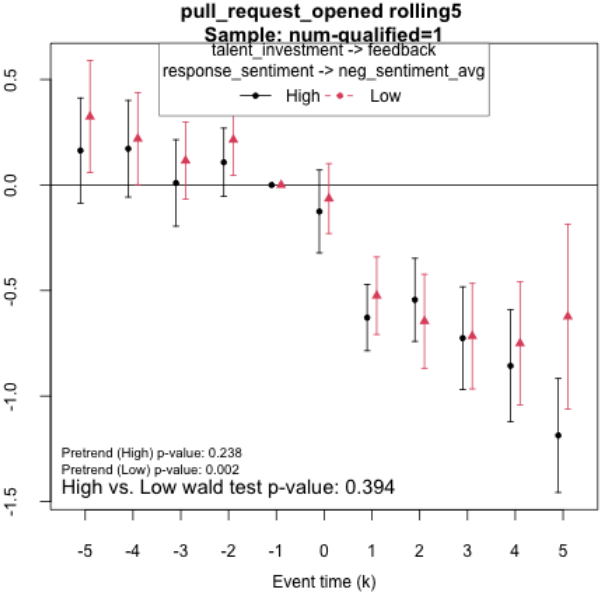

pull_request_merged rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_rate -> response_rate
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.146
High vs. Low wald test p-value: 0.541
Event time (k)

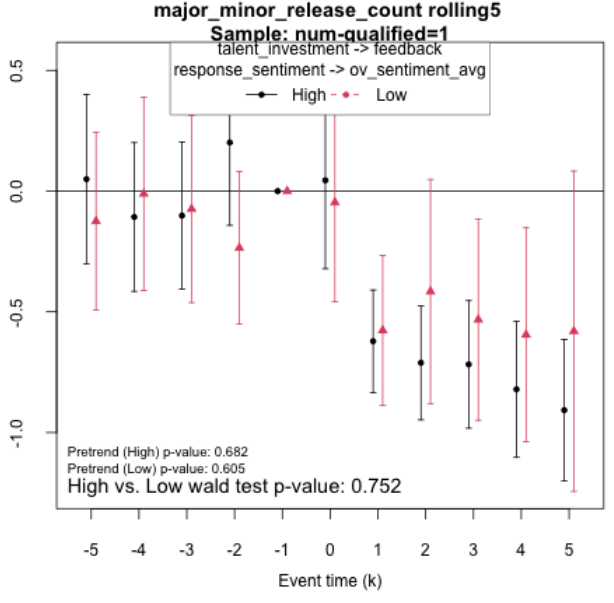

pull_request_opened rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_rate -> response_rate
High
Low
Pretrend (High) p-value: 0.004
Pretrend (Low) p-value: 0.057
High vs. Low wald test p-value: 0.666
Event time (k)

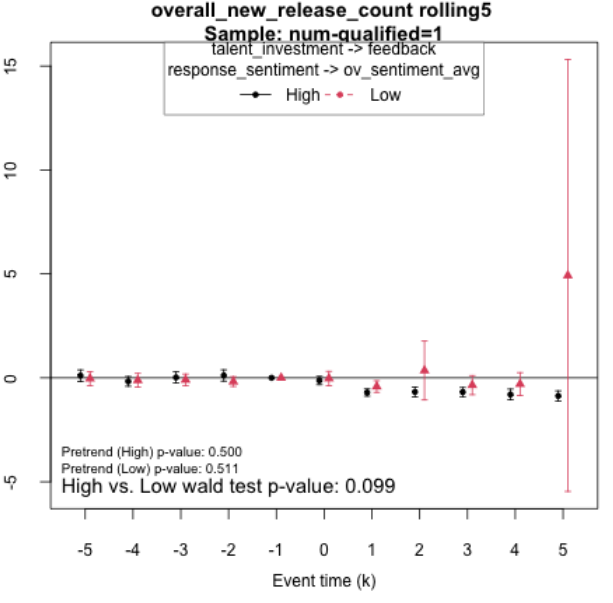

major_minor_release_count rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_sentiment -> neg_sentiment_avg
High
Low
Pretrend (High) p-value: 0.150
Pretrend (Low) p-value: 0.782
High vs. Low wald test p-value: 0.007
Event time (k)

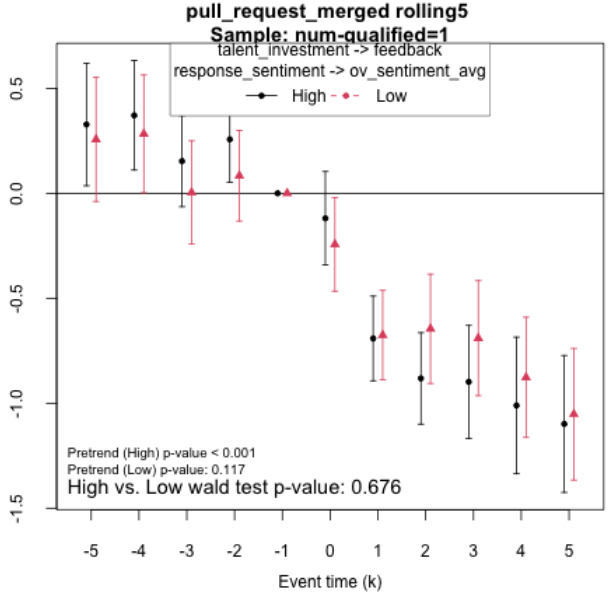

overall_new_release_count rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_sentiment -> neg_sentiment_avg
High
Low
Pretrend (High) p-value: 0.067
Pretrend (Low) p-value: 0.598
High vs. Low wald test p-value: 0.000
Event time (k)

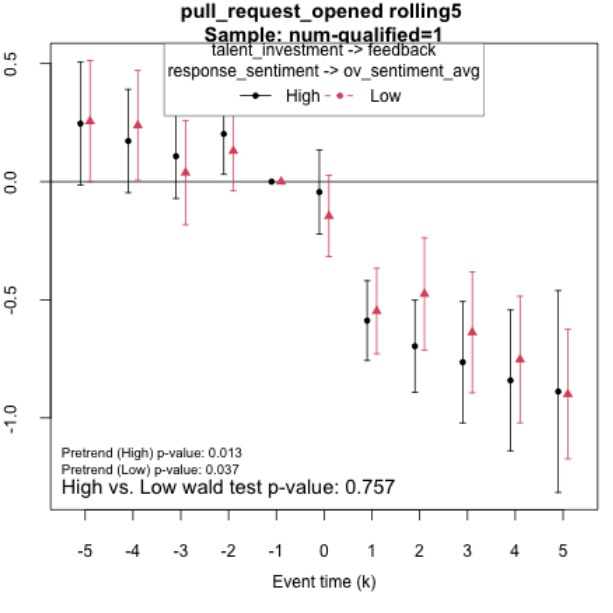

pull_request_merged rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_sentiment -> neg_sentiment_avg
High
Low
Pretrend (High) p-value: 0.114
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.672
Event time (k)

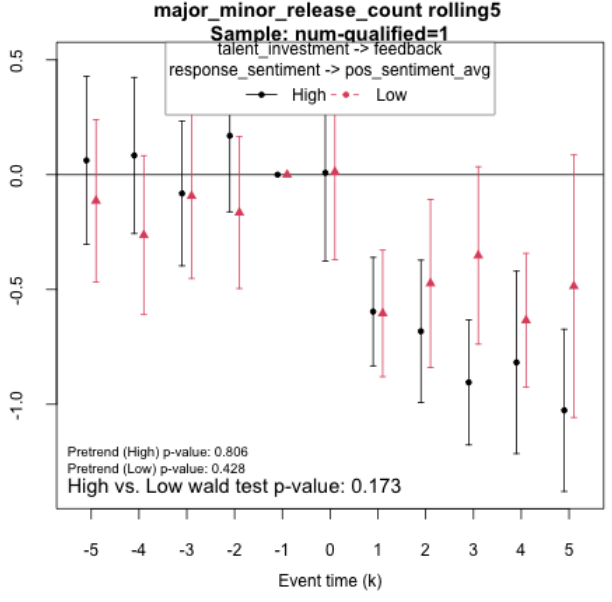

pull_request_opened rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_sentiment -> neg_sentiment_avg
High
Low
Pretrend (High) p-value: 0.238
Pretrend (Low) p-value: 0.002
High vs. Low wald test p-value: 0.394
Event time (k)

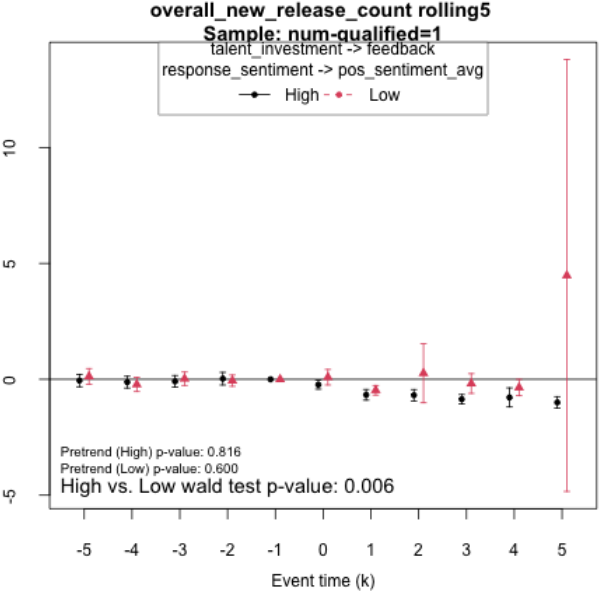

major_minor_release_count rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_sentiment -> ov_sentiment_avg
High
Low
Pretrend (High) p-value: 0.682
Pretrend (Low) p-value: 0.605
High vs. Low wald test p-value: 0.752
Event time (k)

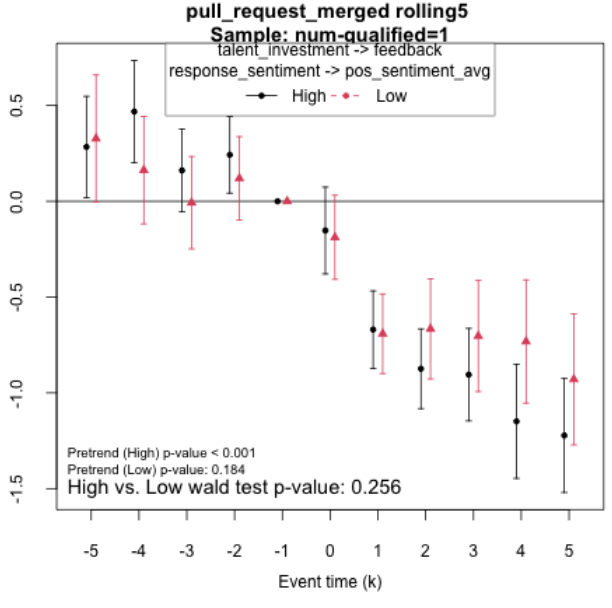

overall_new_release_count rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_sentiment -> ov_sentiment_avg
High
Low
Pretrend (High) p-value: 0.500
Pretrend (Low) p-value: 0.511
High vs. Low wald test p-value: 0.099
Event time (k)

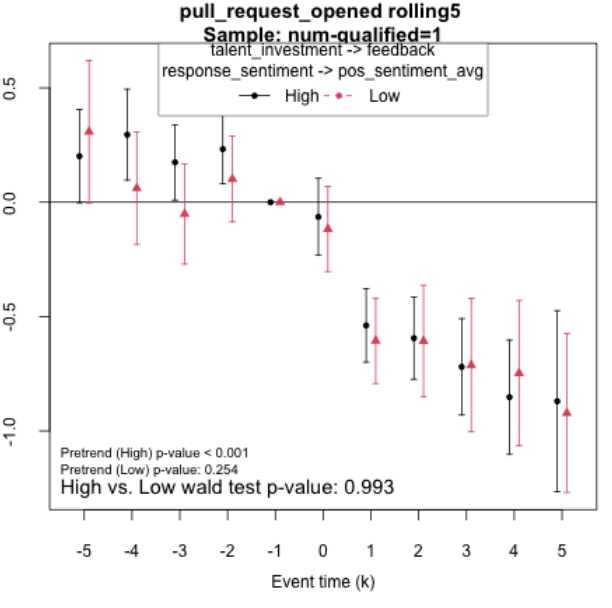

pull_request_merged rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_sentiment -> ov_sentiment_avg
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.117
High vs. Low wald test p-value: 0.676
Event time (k)

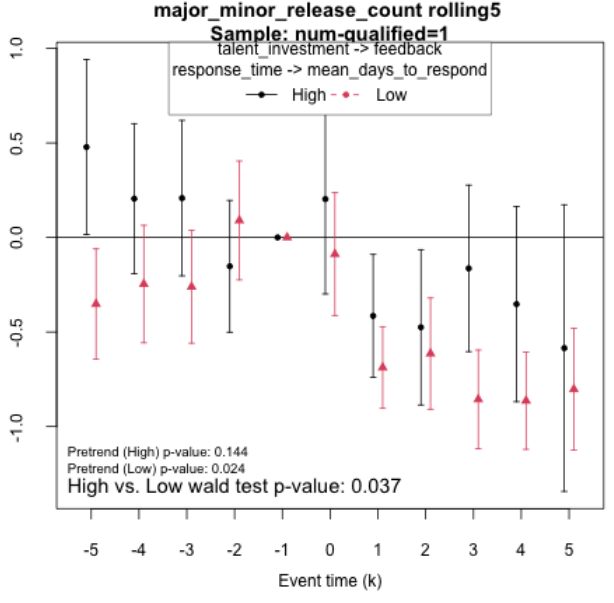

pull_request_opened rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_sentiment -> ov_sentiment_avg
High
Low
Pretrend (High) p-value: 0.013
Pretrend (Low) p-value: 0.037
High vs. Low wald test p-value: 0.757
Event time (k)

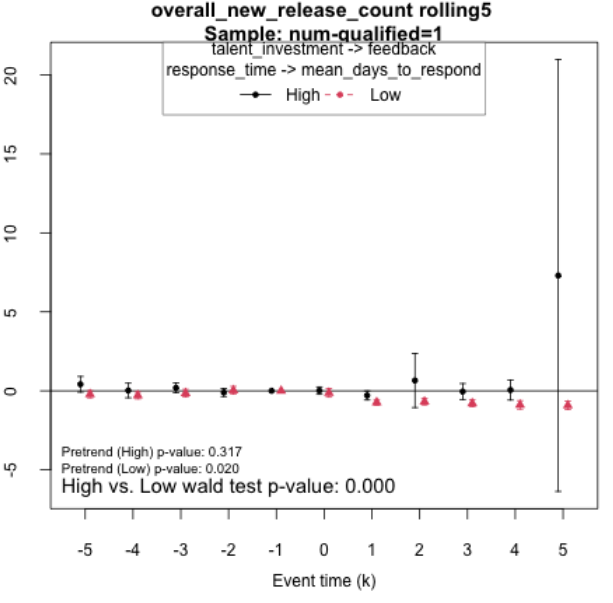

major_minor_release_count rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_sentiment -> pos_sentiment_avg
High
Low
Pretrend (High) p-value: 0.806
Pretrend (Low) p-value: 0.428
High vs. Low wald test p-value: 0.173
Event time (k)

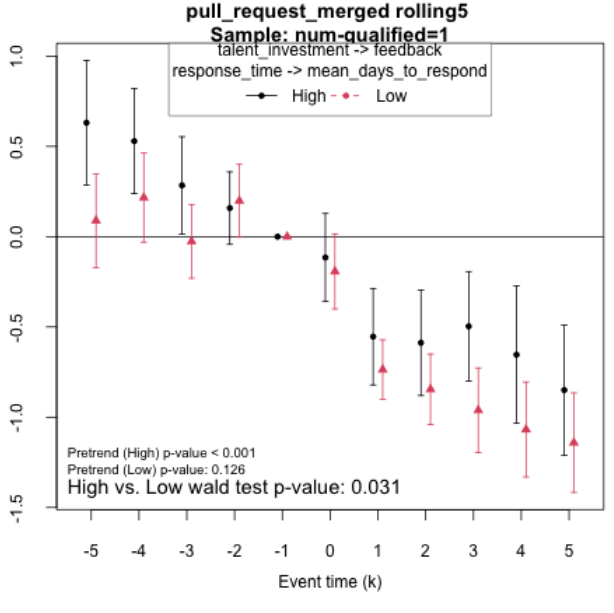

overall_new_release_count rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_sentiment -> pos_sentiment_avg
High
Low
Pretrend (High) p-value: 0.816
Pretrend (Low) p-value: 0.600
High vs. Low wald test p-value: 0.006
Event time (k)

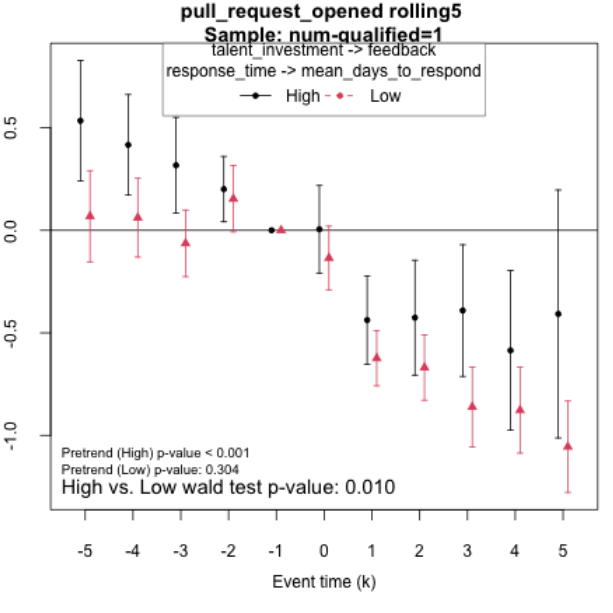

pull_request_merged rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_sentiment -> pos_sentiment_avg
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.184
High vs. Low wald test p-value: 0.256
Event time (k)

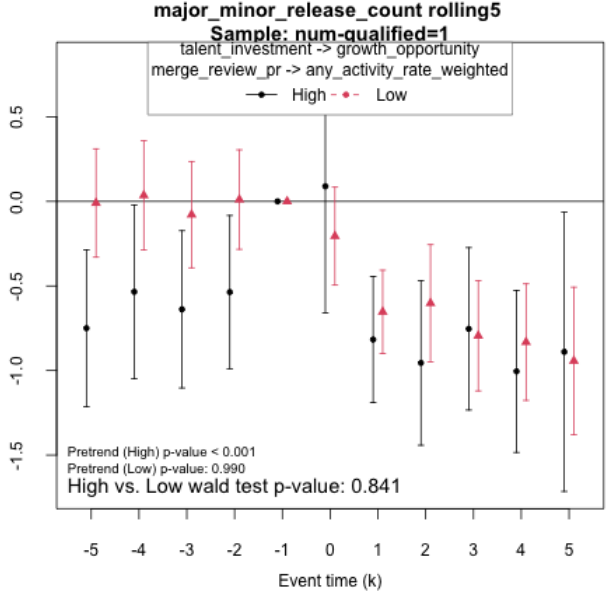

pull_request_opened rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_sentiment -> pos_sentiment_avg
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.254
High vs. Low wald test p-value: 0.993
Event time (k)

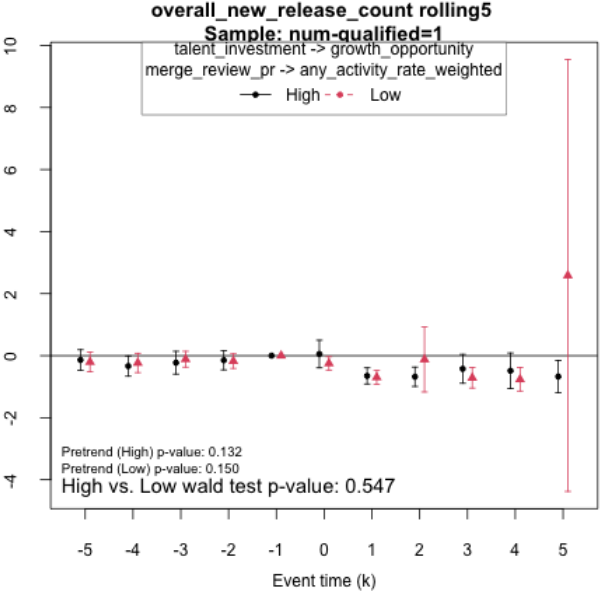

major_minor_release_count rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_time -> mean_days_to_respond
High
Low
Pretrend (High) p-value: 0.144
Pretrend (Low) p-value: 0.024
High vs. Low wald test p-value: 0.037
Event time (k)

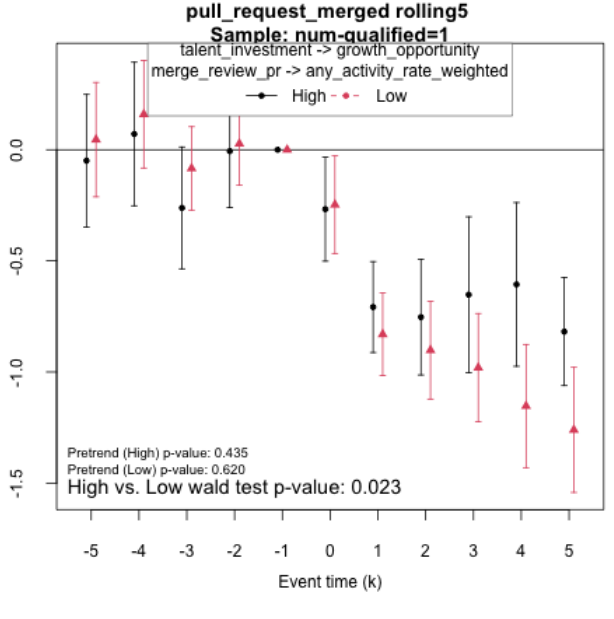

overall_new_release_count rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_time -> mean_days_to_respond
High
Low
Pretrend (High) p-value: 0.317
Pretrend (Low) p-value: 0.020
High vs. Low wald test p-value: 0.000
Event time (k)

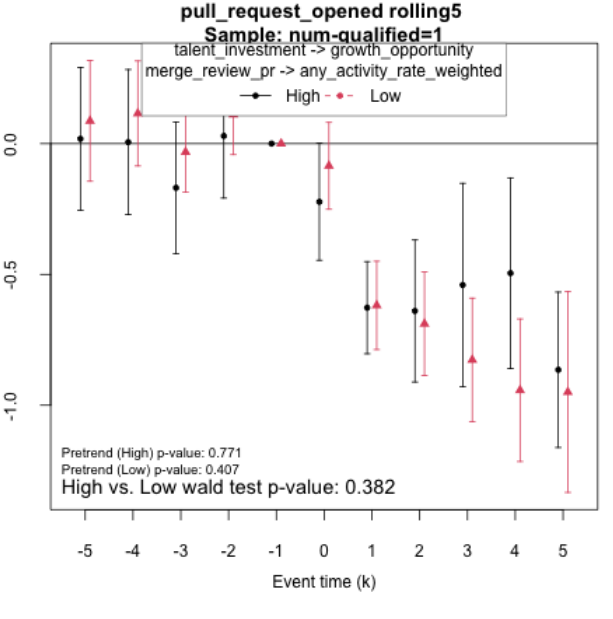

pull_request_merged rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_time -> mean_days_to_respond
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.126
High vs. Low wald test p-value: 0.031
Event time (k)

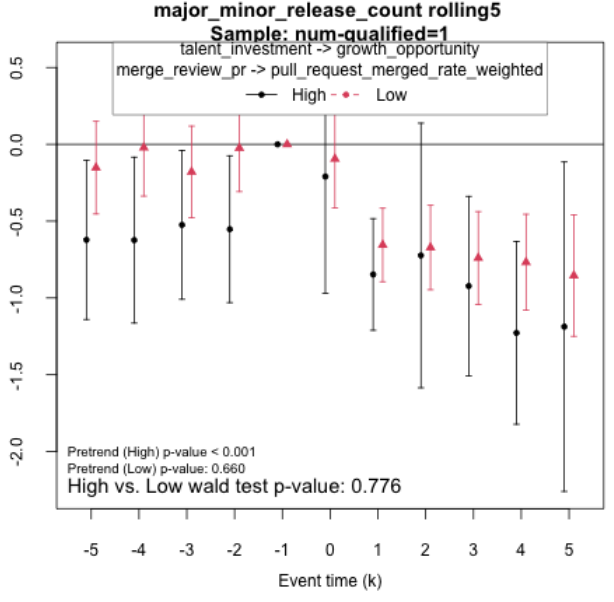

pull_request_opened rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_time -> mean_days_to_respond
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.304
High vs. Low wald test p-value: 0.010
Event time (k)

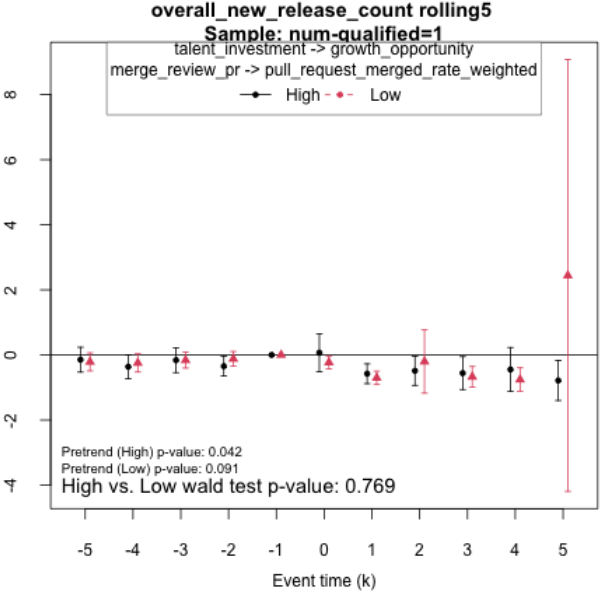

major_minor_release_count rolling5
Sample: num-qualified=1
talent_investment -> growth_opportunity
merge_review_pr -> any_activity_rate_weighted
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.990
High vs. Low wald test p-value: 0.841
Event time (k)

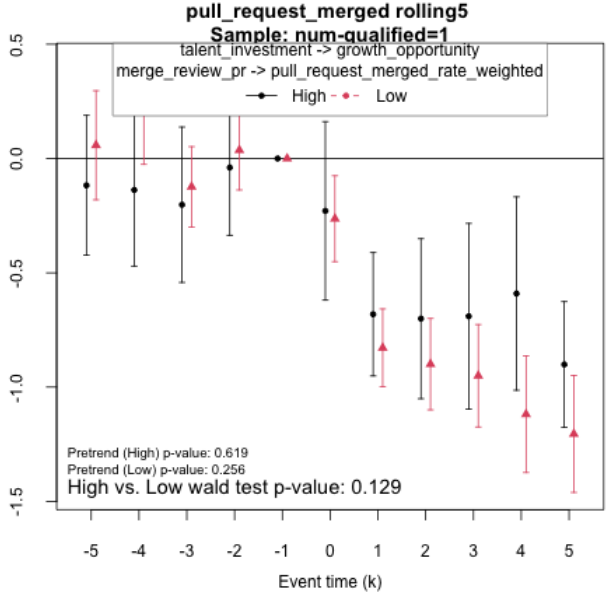

overall_new_release_count rolling5
Sample: num-qualified=1
talent_investment -> growth_opportunity
merge_review_pr -> any_activity_rate_weighted
High
Low
Pretrend (High) p-value: 0.132
Pretrend (Low) p-value: 0.150
High vs. Low wald test p-value: 0.547
Event time (k)

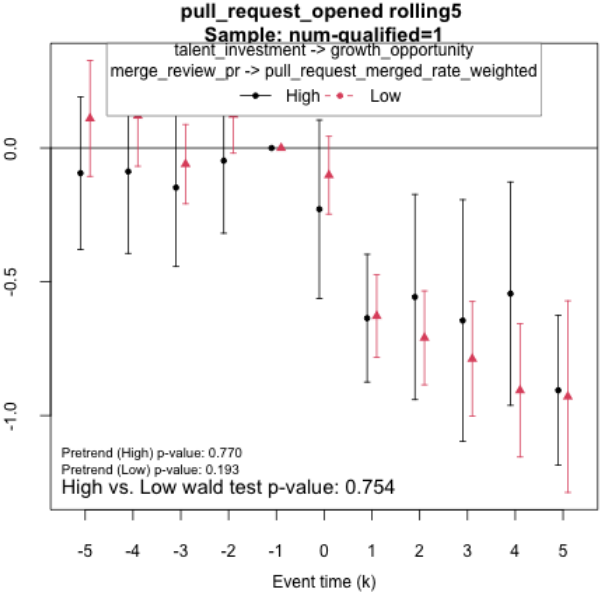

pull_request_merged rolling5
Sample: num-qualified=1
talent_investment -> growth_opportunity
merge_review_pr -> any_activity_rate_weighted
High
Low
Pretrend (High) p-value: 0.435
Pretrend (Low) p-value: 0.620
High vs. Low wald test p-value: 0.023
Event time (k)

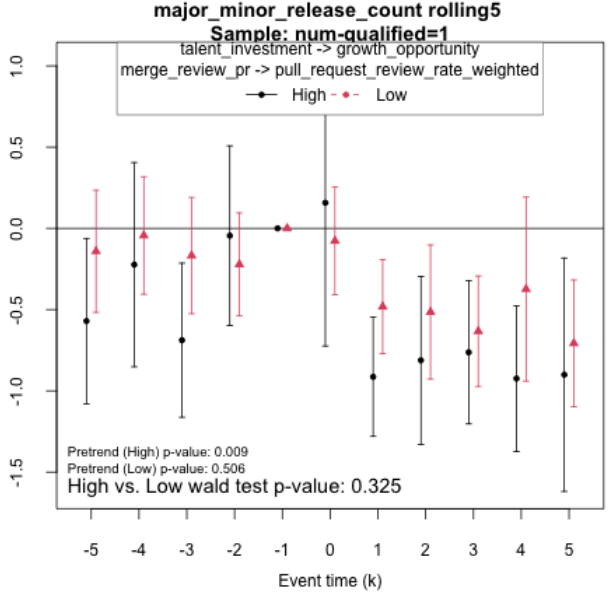

pull_request_opened rolling5
Sample: num-qualified=1
talent_investment -> growth_opportunity
merge_review_pr -> any_activity_rate_weighted
High
Low
Pretrend (High) p-value: 0.771
Pretrend (Low) p-value: 0.407
High vs. Low wald test p-value: 0.382
Event time (k)

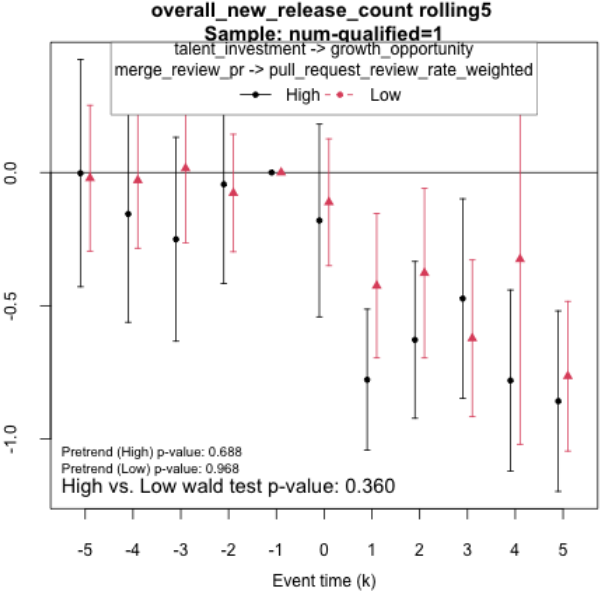

major_minor_release_count rolling5
Sample: num-qualified=1
talent_investment -> growth_opportunity
merge_review_pr -> pull_request_merged_rate_weighted
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.660
High vs. Low wald test p-value: 0.776
Event time (k)

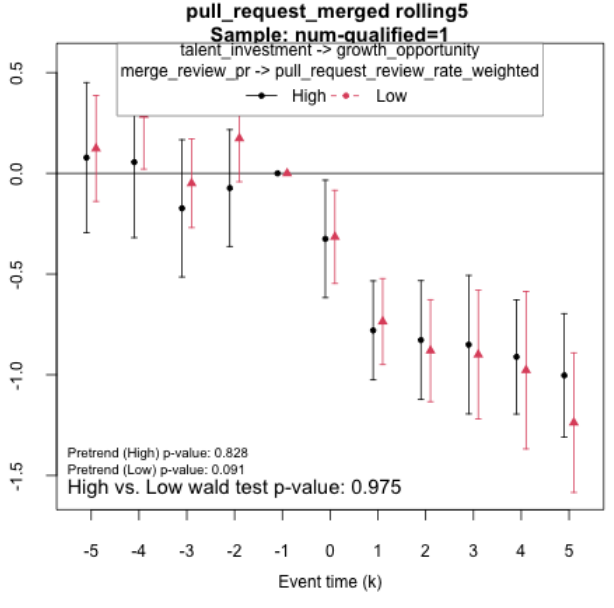

overall_new_release_count rolling5
Sample: num-qualified=1
talent_investment -> growth_opportunity
merge_review_pr -> pull_request_merged_rate_weighted
High
Low
Pretrend (High) p-value: 0.042
Pretrend (Low) p-value: 0.091
High vs. Low wald test p-value: 0.769
Event time (k)

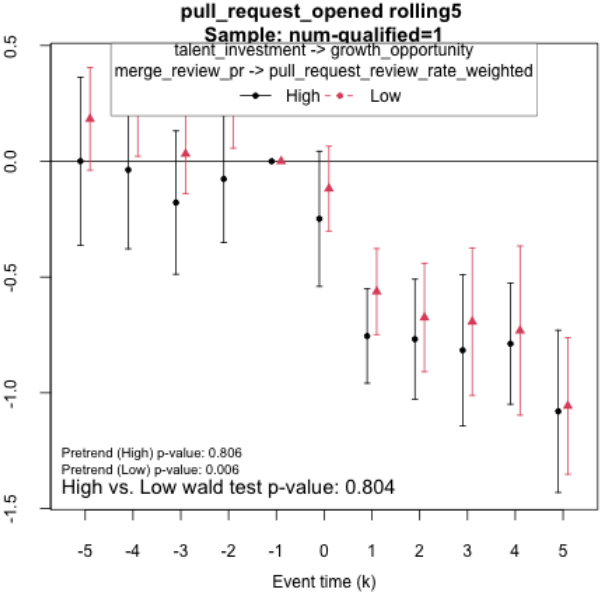

pull_request_merged rolling5
Sample: num-qualified=1
talent_investment -> growth_opportunity
merge_review_pr -> pull_request_merged_rate_weighted
High
Low
Pretrend (High) p-value: 0.619
Pretrend (Low) p-value: 0.256
High vs. Low wald test p-value: 0.129
Event time (k)

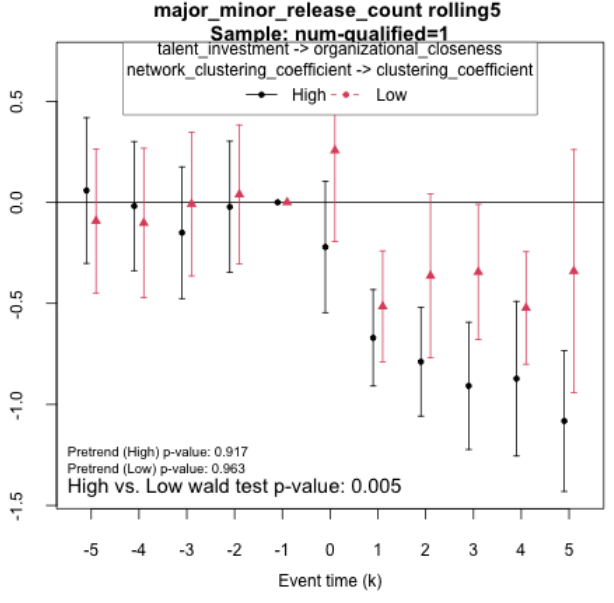

pull_request_opened rolling5
Sample: num-qualified=1
talent_investment -> growth_opportunity
merge_review_pr -> pull_request_merged_rate_weighted
High
Low
Pretrend (High) p-value: 0.770
Pretrend (Low) p-value: 0.193
High vs. Low wald test p-value: 0.754
Event time (k)

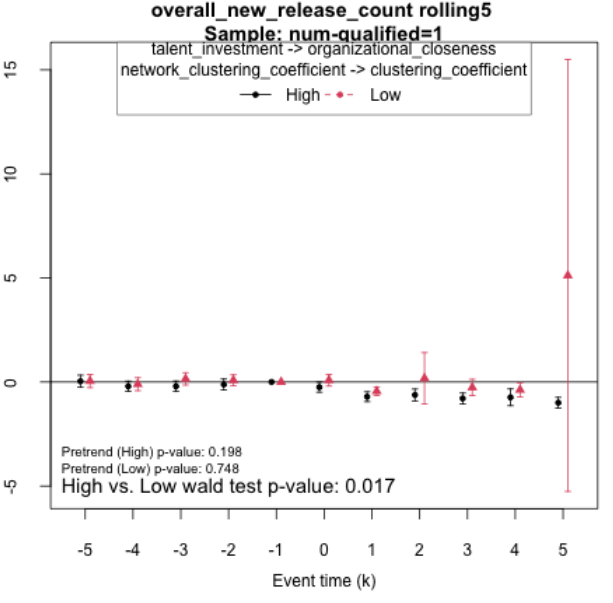

major_minor_release_count rolling5
Sample: num-qualified=1
talent_investment -> growth_opportunity
merge_review_pr -> pull_request_review_rate_weighted
High
Low
Pretrend (High) p-value: 0.009
Pretrend (Low) p-value: 0.506
High vs. Low wald test p-value: 0.325
Event time (k)

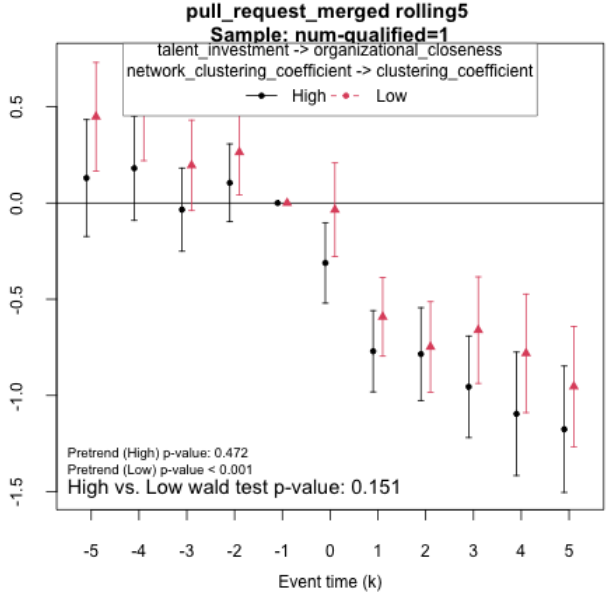

overall_new_release_count rolling5
Sample: num-qualified=1
talent_investment -> growth_opportunity
merge_review_pr -> pull_request_review_rate_weighted
High
Low
Pretrend (High) p-value: 0.688
Pretrend (Low) p-value: 0.968
High vs. Low wald test p-value: 0.360
Event time (k)

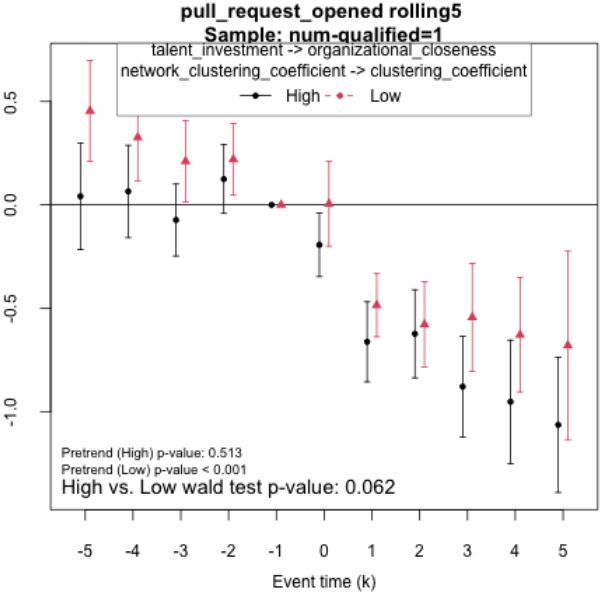

pull_request_merged rolling5
Sample: num-qualified=1
talent_investment -> growth_opportunity
merge_review_pr -> pull_request_review_rate_weighted
High
Low
Pretrend (High) p-value: 0.828
Pretrend (Low) p-value: 0.091
High vs. Low wald test p-value: 0.975
Event time (k)


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: 0.806
Pretrend (Low) p-value: 0.006
High vs. Low wald test p-value: 0.804
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: 0.917
Pretrend (Low) p-value: 0.963
High vs. Low wald test p-value: 0.005
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: 0.198
Pretrend (Low) p-value: 0.748
High vs. Low wald test p-value: 0.017
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: 0.472
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.151
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: 0.513
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.062
Event time (k)