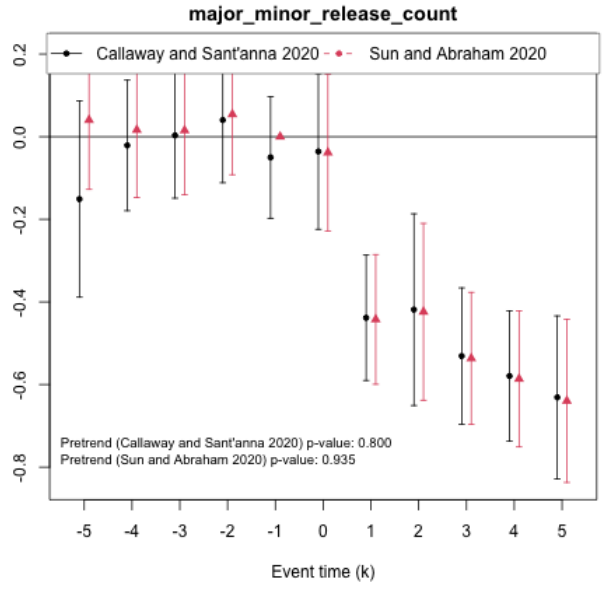
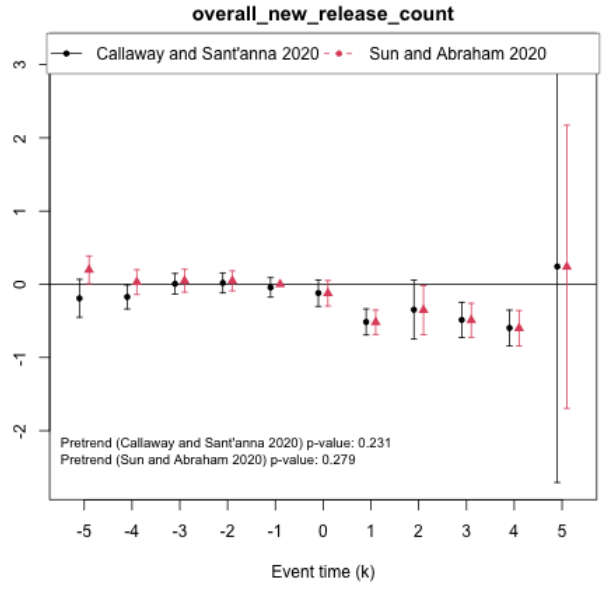
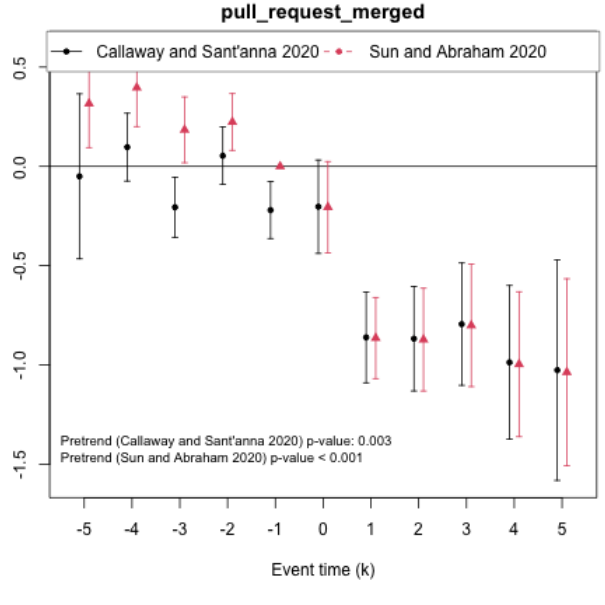
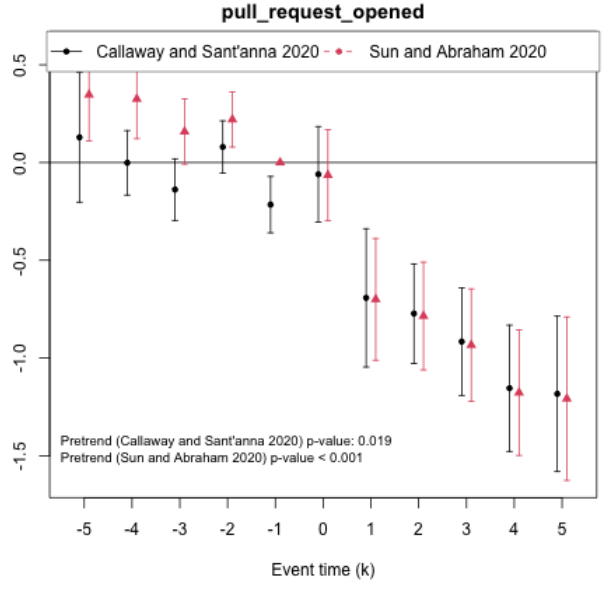
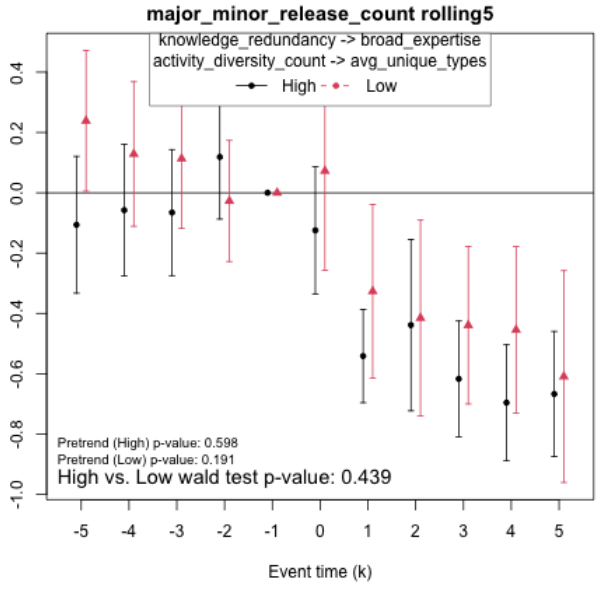
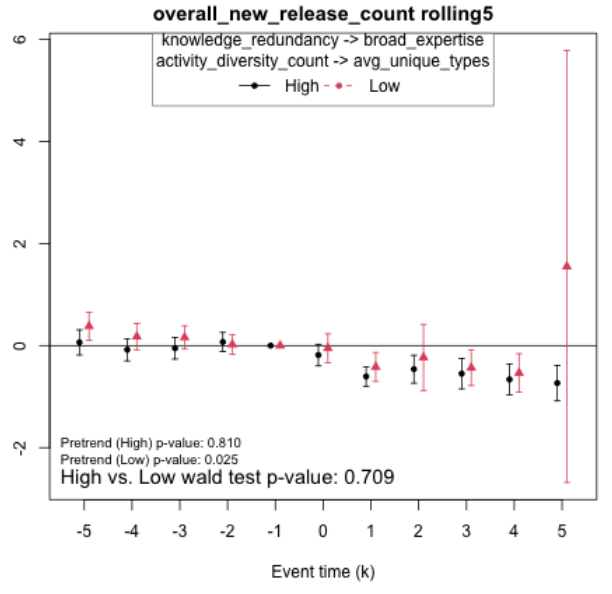

major_minor_release_count
Callaway and Sant'anna 2020
Sun and Abraham 2020
Pretrend (Callaway and Sant'anna 2020) p-value: 0.800
Pretrend (Sun and Abraham 2020) p-value: 0.935
Event time (k)

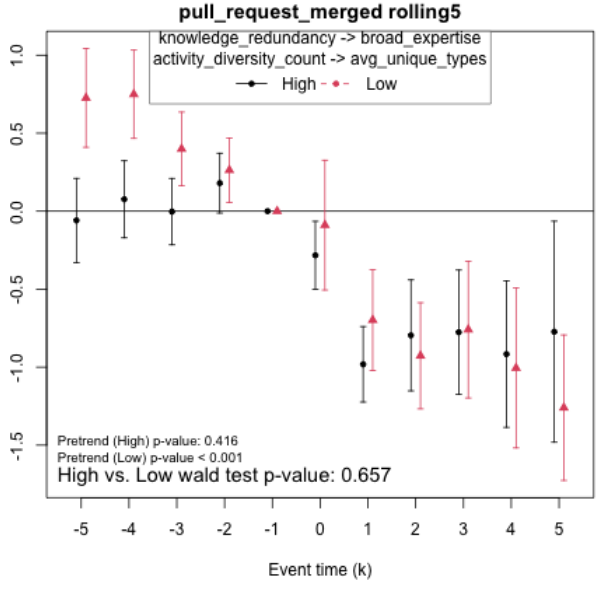

overall_new_release_count
Callaway and Sant'anna 2020
Sun and Abraham 2020
Pretrend (Callaway and Sant'anna 2020) p-value: 0.231
Pretrend (Sun and Abraham 2020) p-value: 0.279
Event time (k)

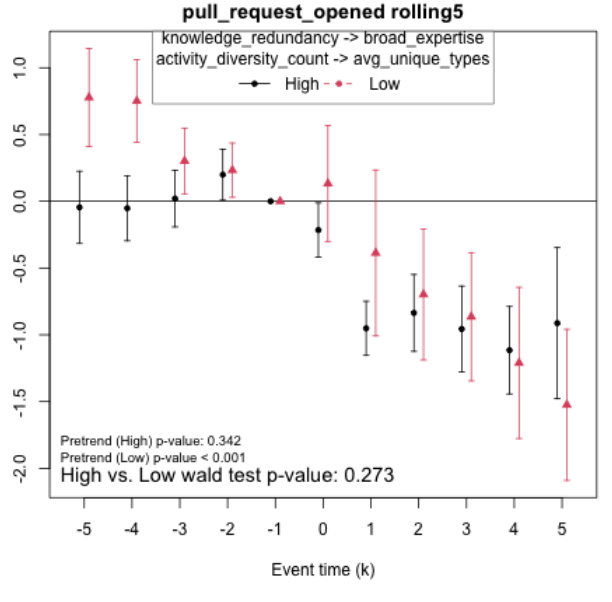

pull_request_merged
Callaway and Sant'anna 2020
Sun and Abraham 2020
Pretrend (Callaway and Sant'anna 2020) p-value: 0.003
Pretrend (Sun and Abraham 2020) p-value < 0.001
Event time (k)

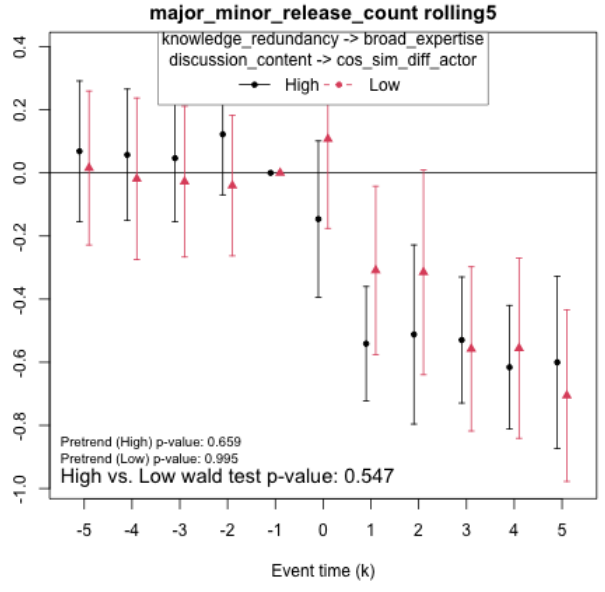

pull_request_opened
Callaway and Sant'anna 2020
Sun and Abraham 2020
Pretrend (Callaway and Sant'anna 2020) p-value: 0.019
Pretrend (Sun and Abraham 2020) p-value < 0.001
Event time (k)

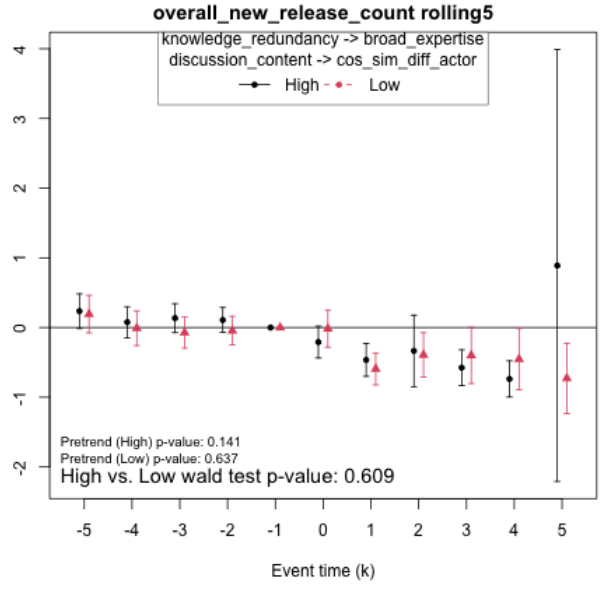

major_minor_release_count rolling5
knowledge_redundancy -> broad_expertise
activity_diversity_count -> avg_unique_types
High
Low
Pretrend (High) p-value: 0.598
Pretrend (Low) p-value: 0.191
High vs. Low wald test p-value: 0.439
Event time (k)

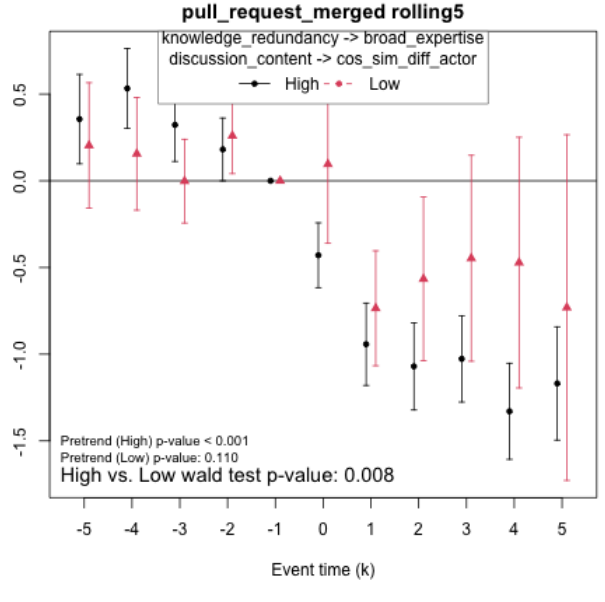

overall_new_release_count rolling5
knowledge_redundancy -> broad_expertise
activity_diversity_count -> avg_unique_types
High
Low
Pretrend (High) p-value: 0.810
Pretrend (Low) p-value: 0.025
High vs. Low wald test p-value: 0.709
Event time (k)

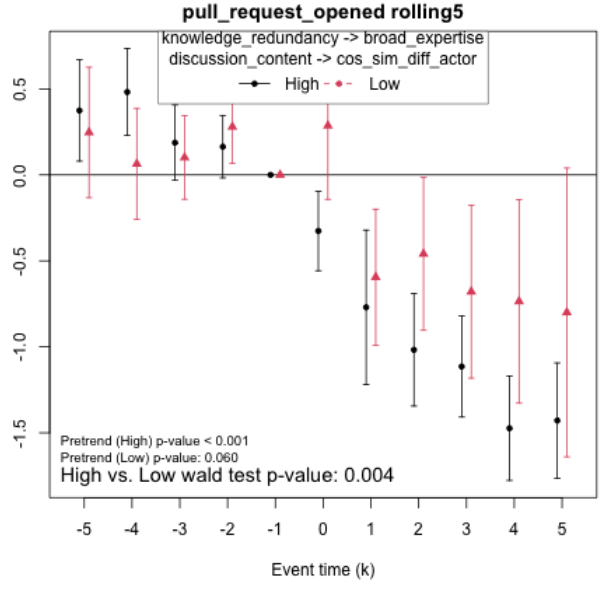

pull_request_merged rolling5
knowledge_redundancy -> broad_expertise
activity_diversity_count -> avg_unique_types
High
Low
Pretrend (High) p-value: 0.416
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.657
Event time (k)

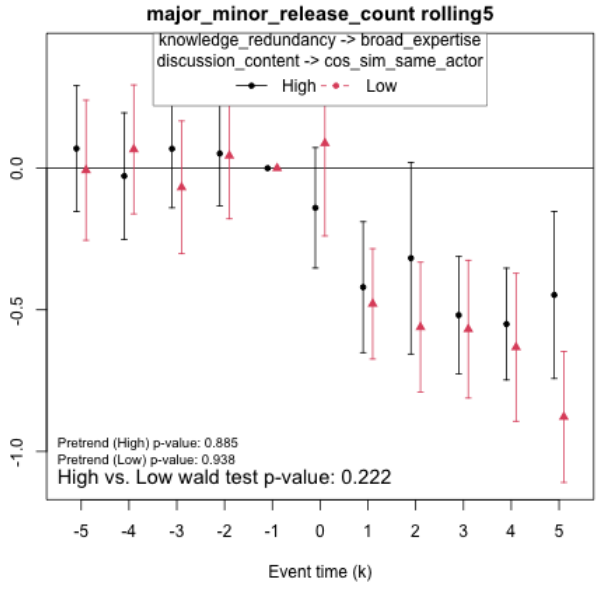

pull_request_opened rolling5
knowledge_redundancy -> broad_expertise
activity_diversity_count -> avg_unique_types
High
Low
Pretrend (High) p-value: 0.342
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.273
Event time (k)

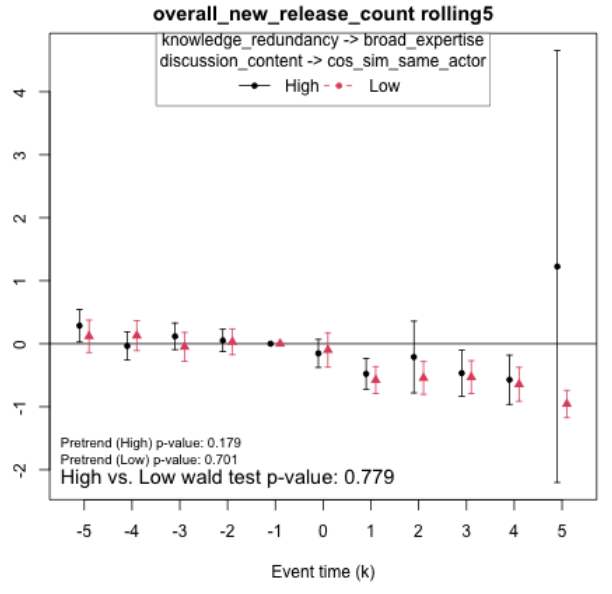

major_minor_release_count rolling5
knowledge_redundancy -> broad_expertise
discussion_content -> cos_sim_diff_actor
High
Low
Pretrend (High) p-value: 0.659
Pretrend (Low) p-value: 0.995
High vs. Low wald test p-value: 0.547
Event time (k)

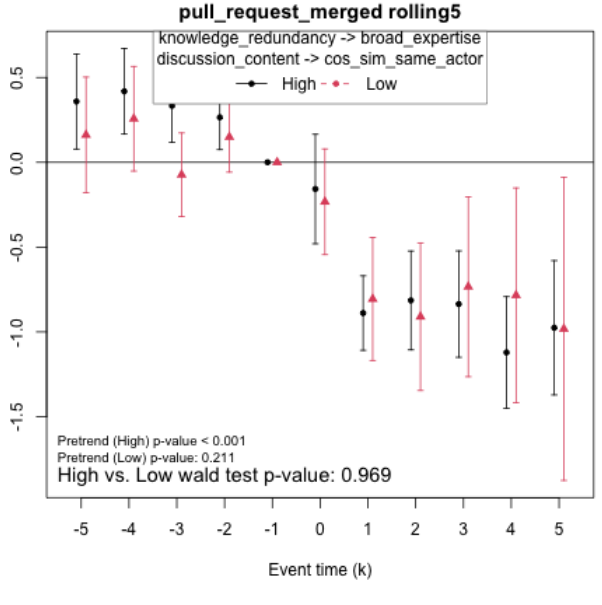

overall_new_release_count rolling5
knowledge_redundancy -> broad_expertise
discussion_content -> cos_sim_diff_actor
High
Low
Pretrend (High) p-value: 0.141
Pretrend (Low) p-value: 0.637
High vs. Low wald test p-value: 0.609
Event time (k)

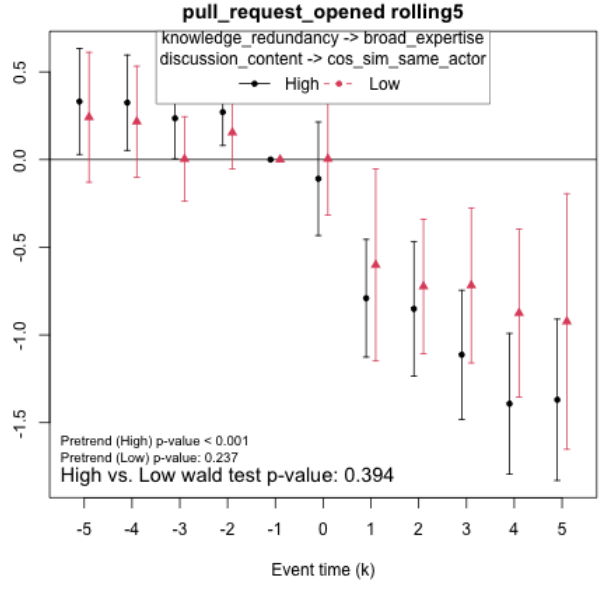

pull_request_merged rolling5
knowledge_redundancy -> broad_expertise
discussion_content -> cos_sim_diff_actor
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.110
High vs. Low wald test p-value: 0.008
Event time (k)

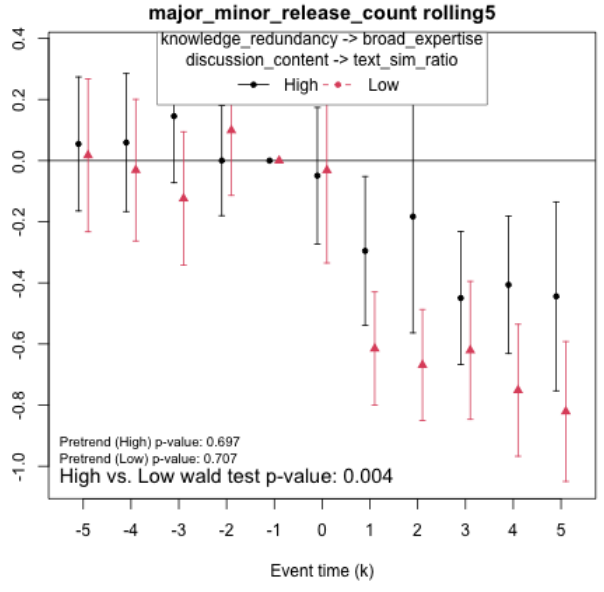

pull_request_opened rolling5
knowledge_redundancy -> broad_expertise
discussion_content -> cos_sim_diff_actor
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.060
High vs. Low wald test p-value: 0.004
Event time (k)

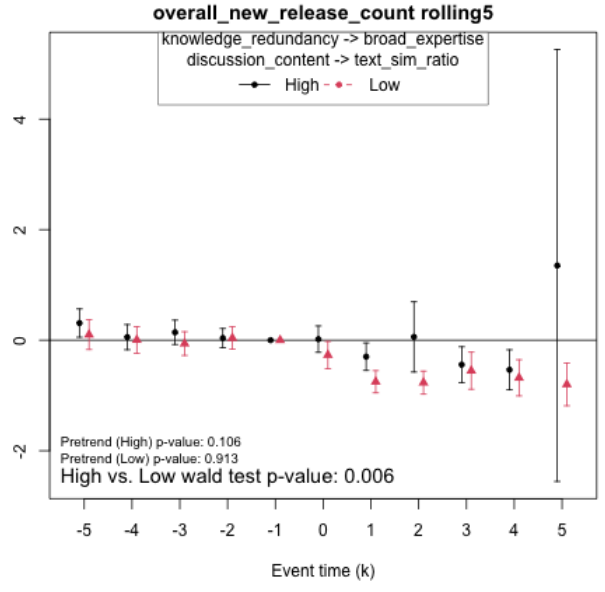

major_minor_release_count rolling5
knowledge_redundancy -> broad_expertise
discussion_content -> cos_sim_same_actor
High
Low
Pretrend (High) p-value: 0.885
Pretrend (Low) p-value: 0.938
High vs. Low wald test p-value: 0.222
Event time (k)

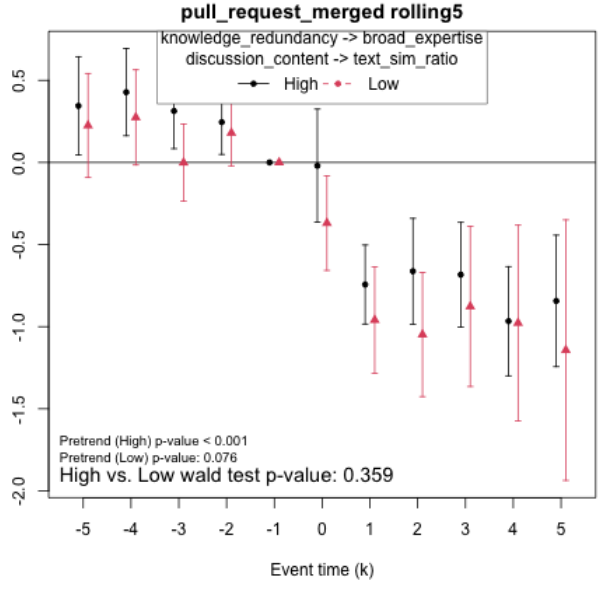

overall_new_release_count rolling5
knowledge_redundancy -> broad_expertise
discussion_content -> cos_sim_same_actor
High
Low
Pretrend (High) p-value: 0.179
Pretrend (Low) p-value: 0.701
High vs. Low wald test p-value: 0.779
Event time (k)

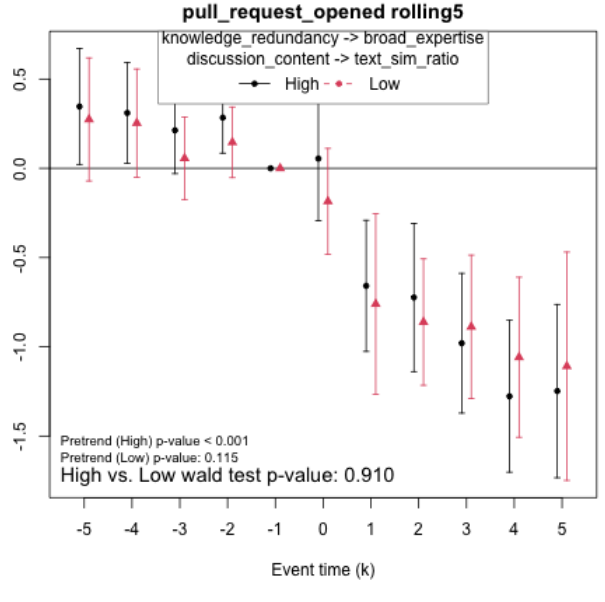

pull_request_merged rolling5
knowledge_redundancy -> broad_expertise
discussion_content -> cos_sim_same_actor
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.211
High vs. Low wald test p-value: 0.969
Event time (k)

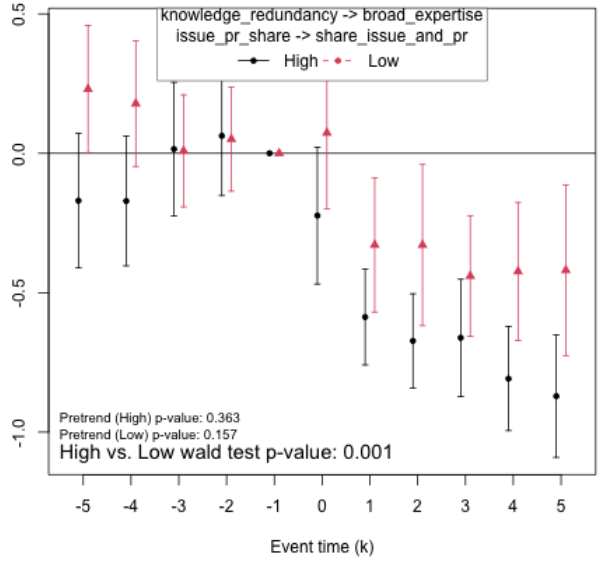

pull_request_opened rolling5
knowledge_redundancy -> broad_expertise
discussion_content -> cos_sim_same_actor
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.237
High vs. Low wald test p-value: 0.394
Event time (k)

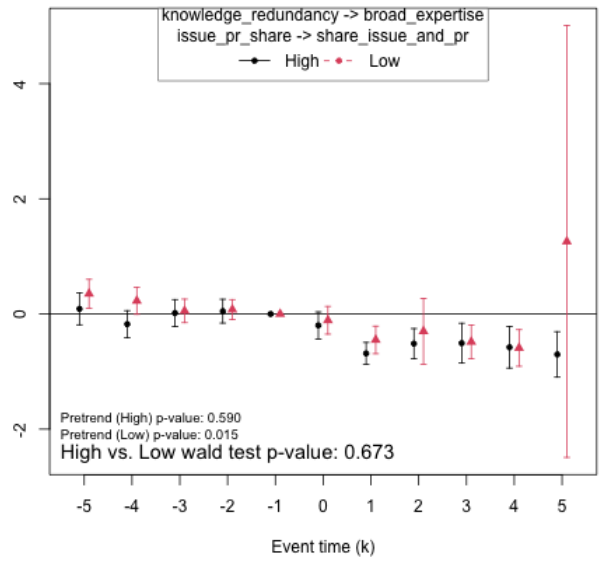

major_minor_release_count rolling5
knowledge_redundancy -> broad_expertise
discussion_content -> text_sim_ratio
High
Low
Pretrend (High) p-value: 0.697
Pretrend (Low) p-value: 0.707
High vs. Low wald test p-value: 0.004
Event time (k)

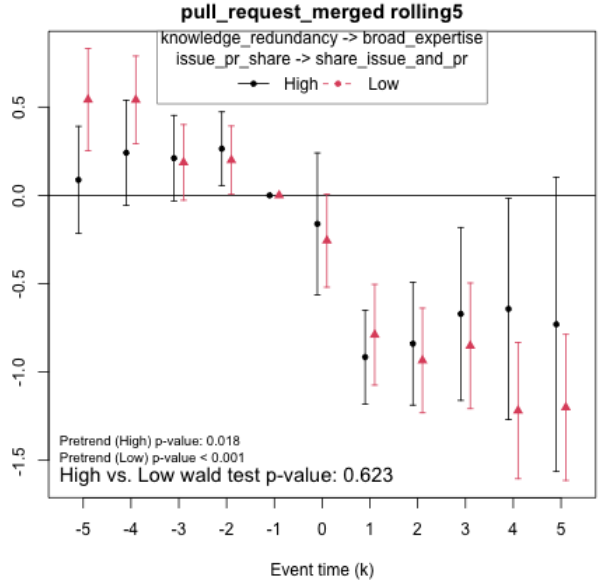

overall_new_release_count rolling5
knowledge_redundancy -> broad_expertise
discussion_content -> text_sim_ratio
High
Low
Pretrend (High) p-value: 0.106
Pretrend (Low) p-value: 0.913
High vs. Low wald test p-value: 0.006
Event time (k)

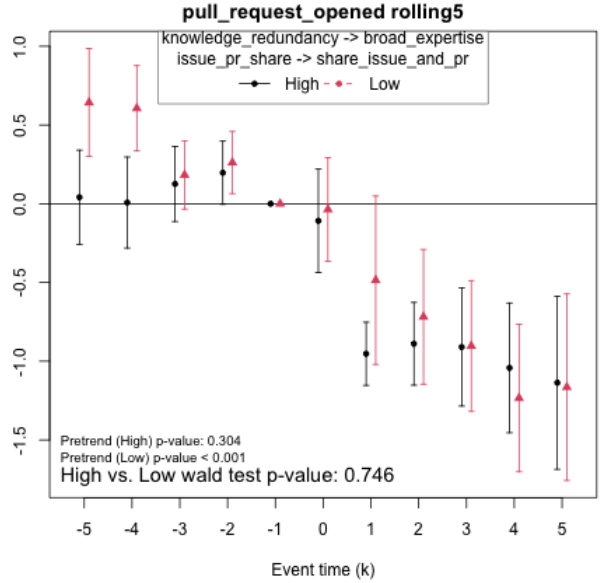

pull_request_merged rolling5
knowledge_redundancy -> broad_expertise
discussion_content -> text_sim_ratio
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.076
High vs. Low wald test p-value: 0.359
Event time (k)

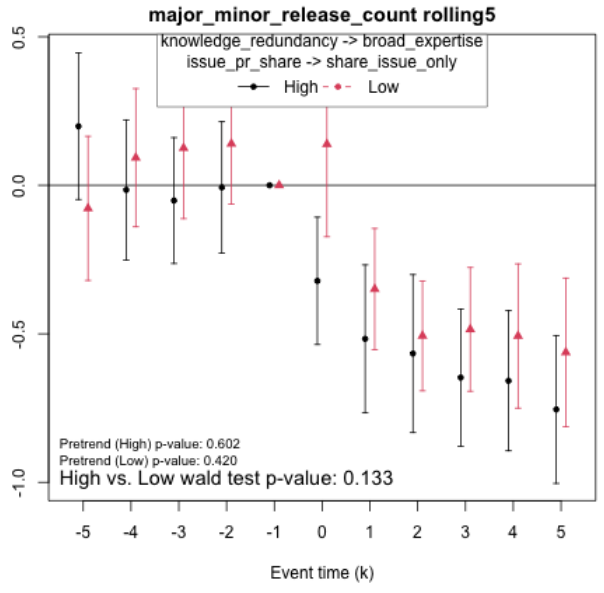

pull_request_opened rolling5
knowledge_redundancy -> broad_expertise
discussion_content -> text_sim_ratio
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.115
High vs. Low wald test p-value: 0.910
Event time (k)

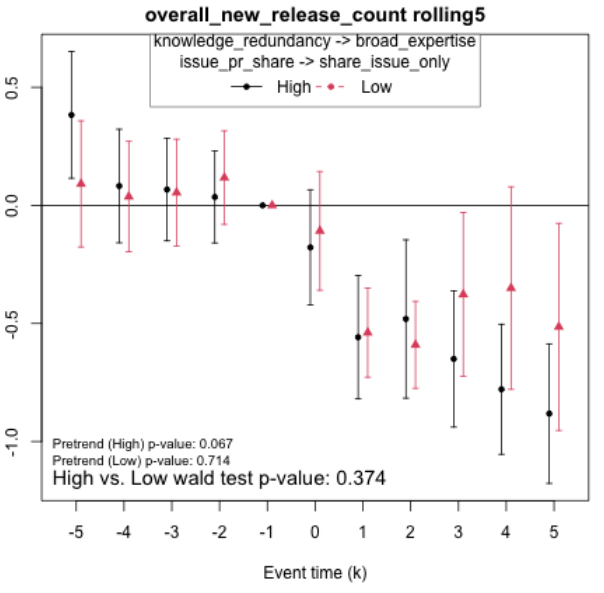

major_minor_release_count rolling5
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_issue_and_pr
High
Low
Pretrend (High) p-value: 0.363
Pretrend (Low) p-value: 0.157
High vs. Low wald test p-value: 0.001
Event time (k)

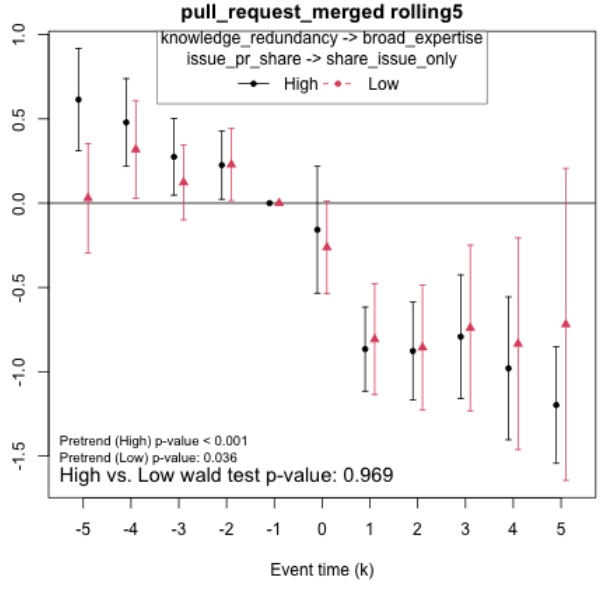

overall_new_release_count rolling5
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_issue_and_pr
High
Low
Pretrend (High) p-value: 0.590
Pretrend (Low) p-value: 0.015
High vs. Low wald test p-value: 0.673
Event time (k)

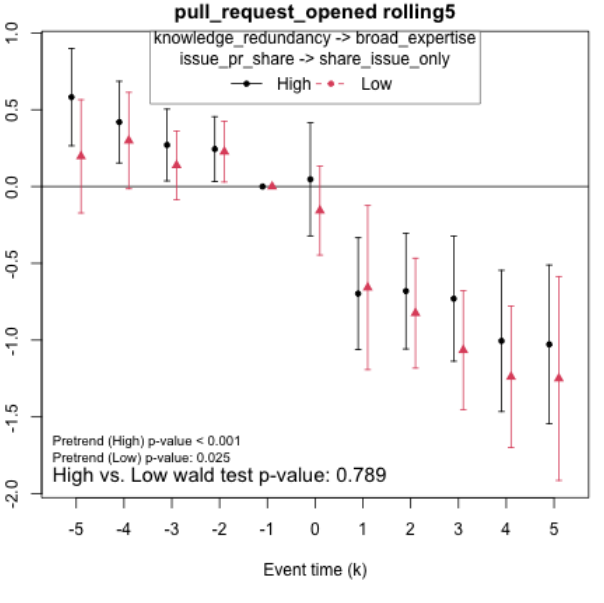

pull_request_merged rolling5
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_issue_and_pr
High
Low
Pretrend (High) p-value: 0.018
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.623
Event time (k)

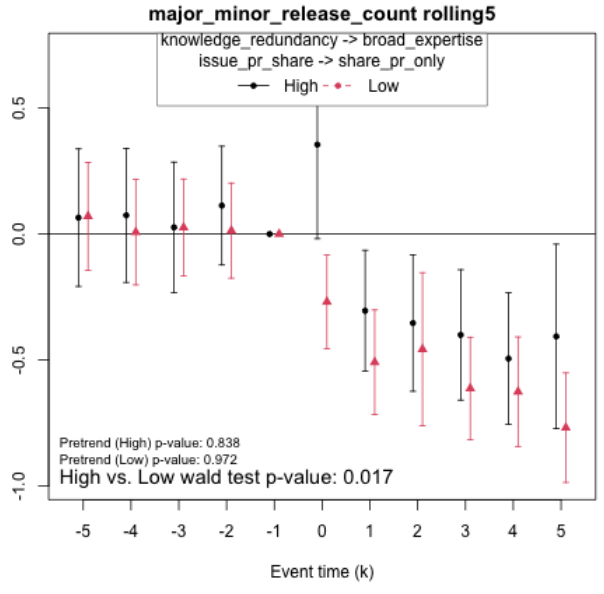

pull_request_opened rolling5
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_issue_and_pr
High
Low
Pretrend (High) p-value: 0.304
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.746
Event time (k)

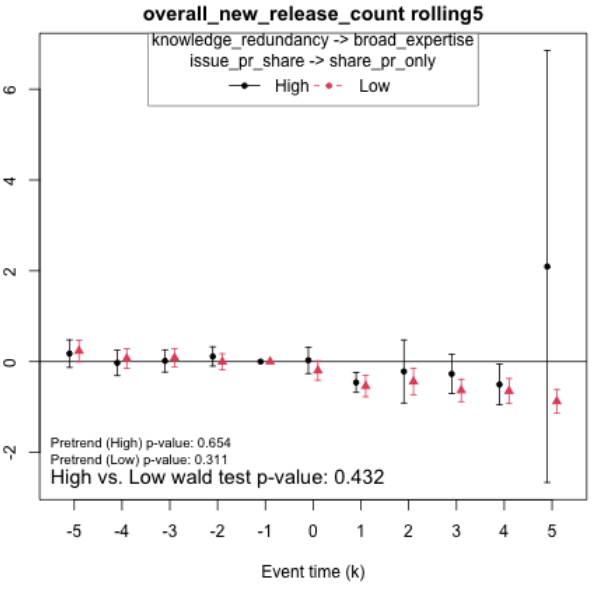

major_minor_release_count rolling5
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_issue_only
High
Low
Pretrend (High) p-value: 0.602
Pretrend (Low) p-value: 0.420
High vs. Low wald test p-value: 0.133
Event time (k)

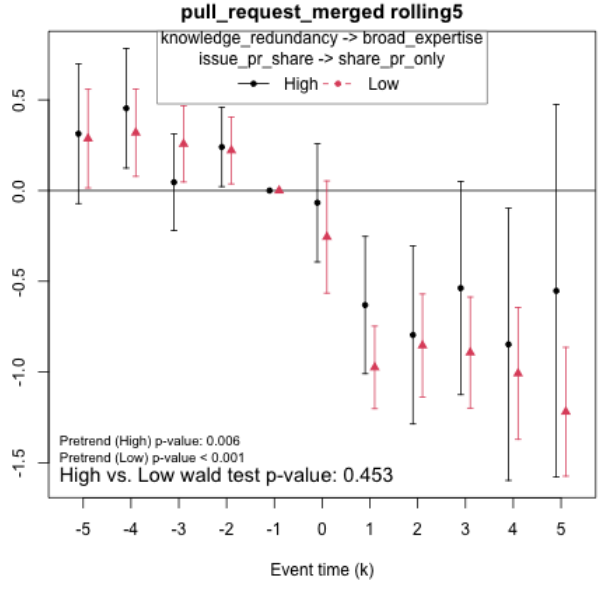

overall_new_release_count rolling5
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_issue_only
High
Low
Pretrend (High) p-value: 0.067
Pretrend (Low) p-value: 0.714
High vs. Low wald test p-value: 0.374
Event time (k)

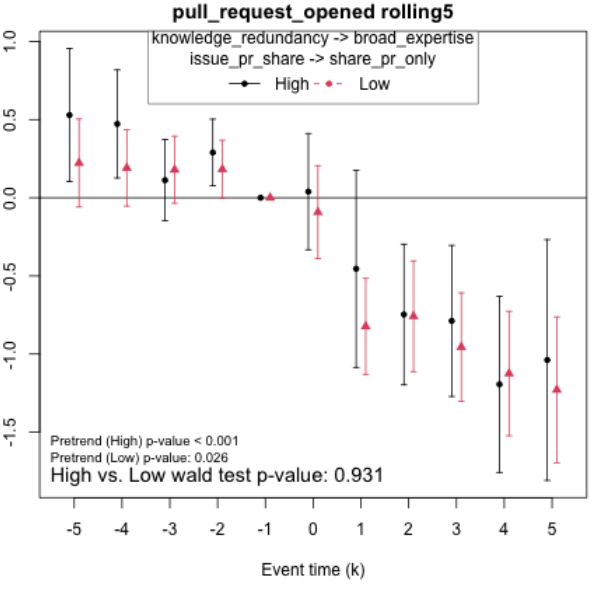

pull_request_merged rolling5
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_issue_only
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.036
High vs. Low wald test p-value: 0.969
Event time (k)

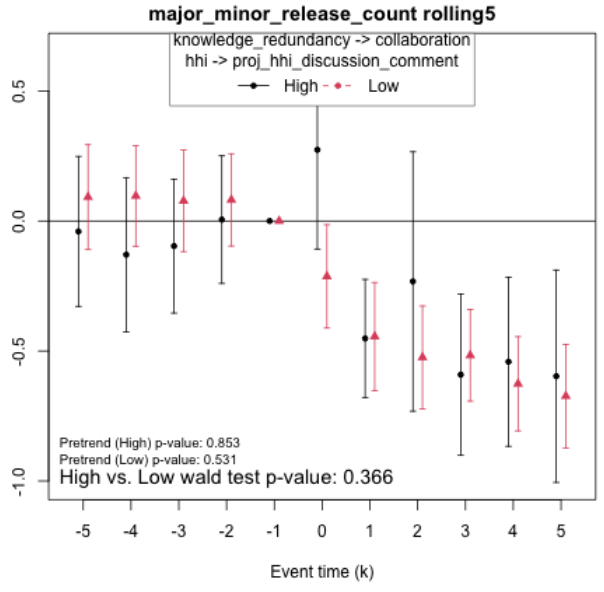

pull_request_opened rolling5
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_issue_only
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.025
High vs. Low wald test p-value: 0.789
Event time (k)

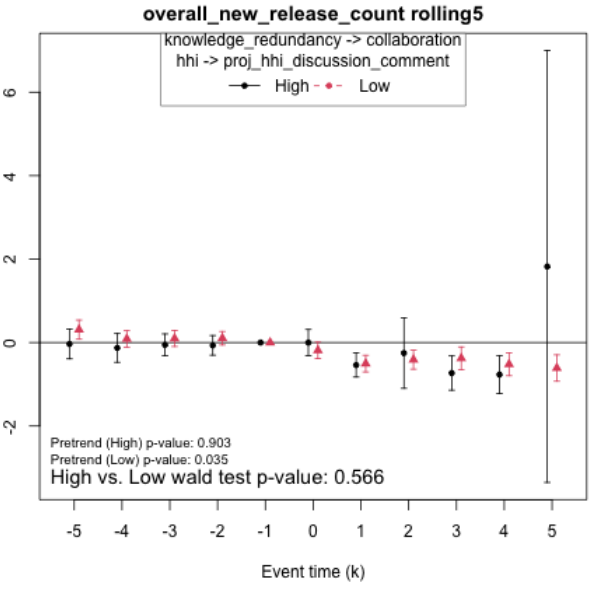

major_minor_release_count rolling5
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_pr_only
High
Low
Pretrend (High) p-value: 0.838
Pretrend (Low) p-value: 0.972
High vs. Low wald test p-value: 0.017
Event time (k)

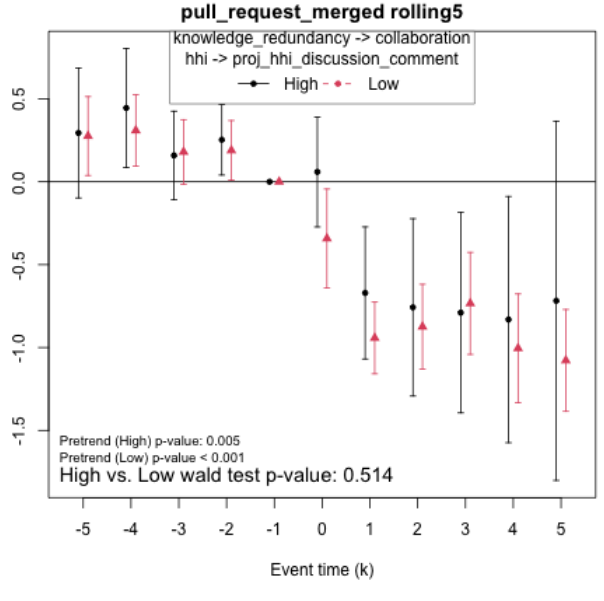

overall_new_release_count rolling5
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_pr_only
High
Low
Pretrend (High) p-value: 0.654
Pretrend (Low) p-value: 0.311
High vs. Low wald test p-value: 0.432
Event time (k)

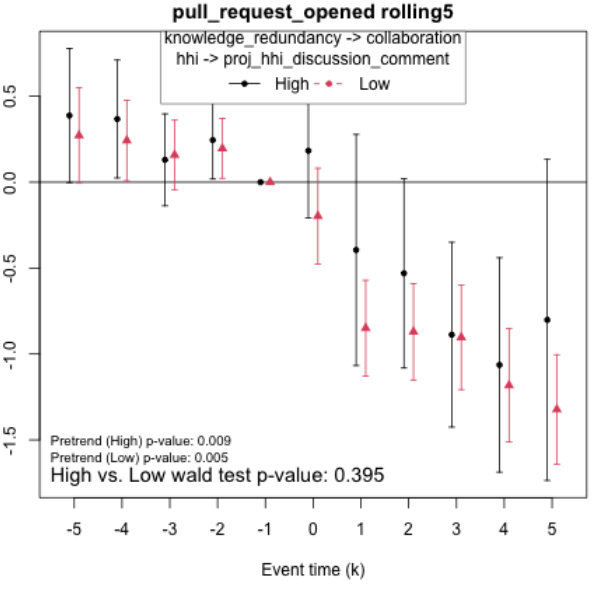

pull_request_merged rolling5
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_pr_only
High
Low
Pretrend (High) p-value: 0.006
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.453
Event time (k)

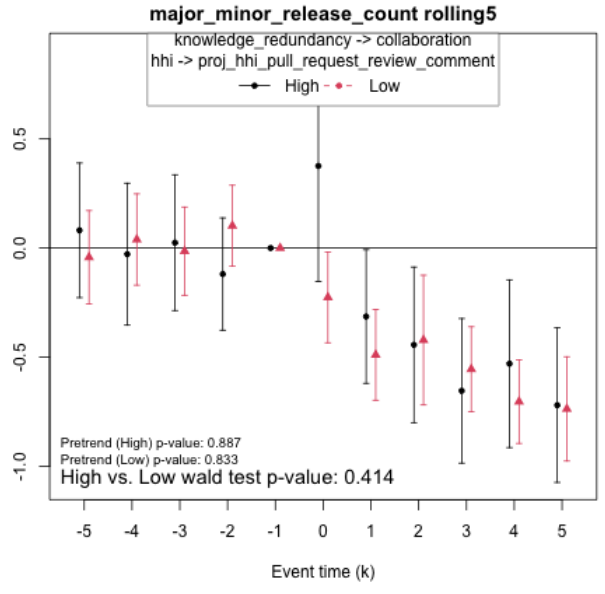

pull_request_opened rolling5
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_pr_only
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.026
High vs. Low wald test p-value: 0.931
Event time (k)

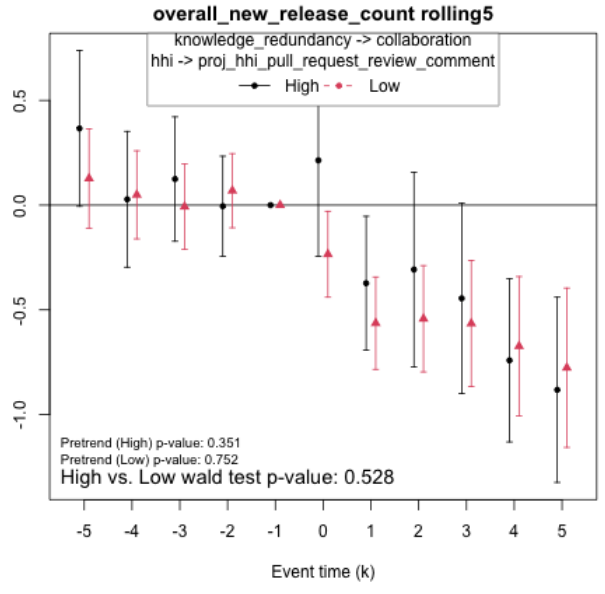

major_minor_release_count rolling5
knowledge_redundancy -> collaboration
hhi -> proj_hhi_discussion_comment
High
Low
Pretrend (High) p-value: 0.853
Pretrend (Low) p-value: 0.531
High vs. Low wald test p-value: 0.366
Event time (k)

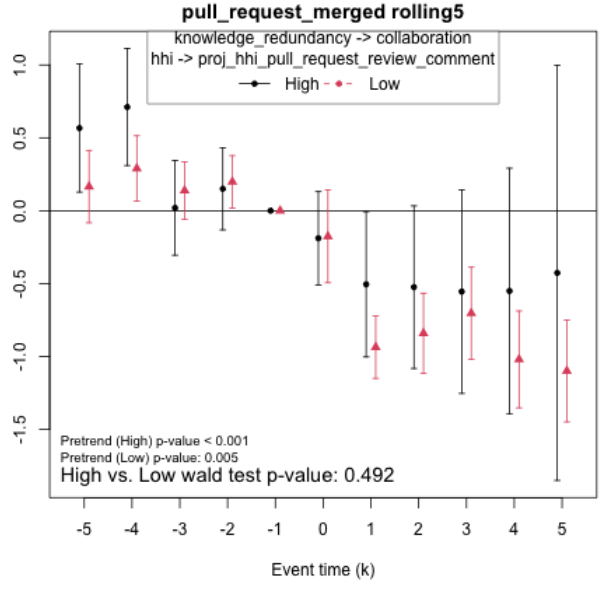

overall_new_release_count rolling5
knowledge_redundancy -> collaboration
hhi -> proj_hhi_discussion_comment
High
Low
Pretrend (High) p-value: 0.903
Pretrend (Low) p-value: 0.035
High vs. Low wald test p-value: 0.566
Event time (k)

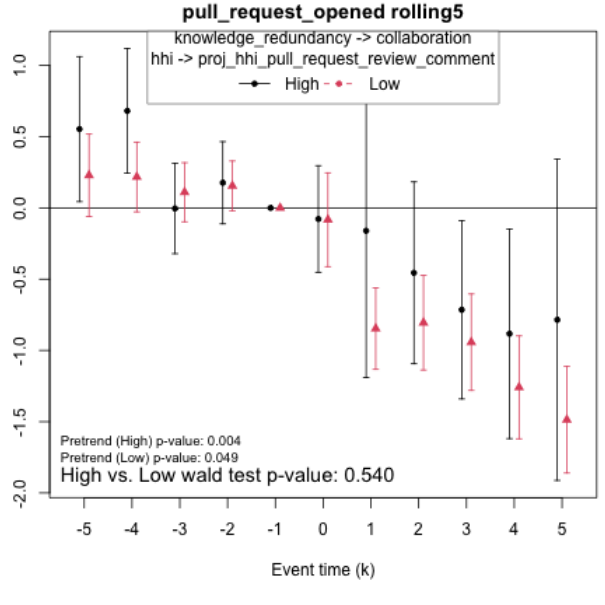

pull_request_merged rolling5
knowledge_redundancy -> collaboration
hhi -> proj_hhi_discussion_comment
High
Low
Pretrend (High) p-value: 0.005
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.514
Event time (k)

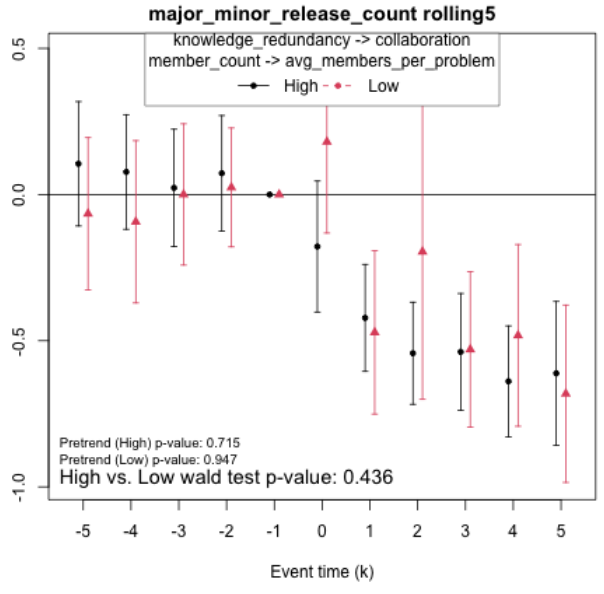

pull_request_opened rolling5
knowledge_redundancy -> collaboration
hhi -> proj_hhi_discussion_comment
High
Low
Pretrend (High) p-value: 0.009
Pretrend (Low) p-value: 0.005
High vs. Low wald test p-value: 0.395
Event time (k)

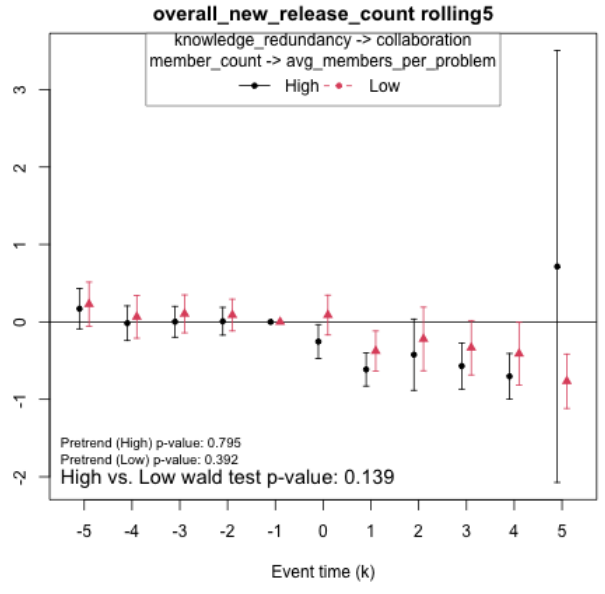

major_minor_release_count rolling5
knowledge_redundancy -> collaboration
hhi -> proj_hhi_pull_request_review_comment
High
Low
Pretrend (High) p-value: 0.887
Pretrend (Low) p-value: 0.833
High vs. Low wald test p-value: 0.414
Event time (k)

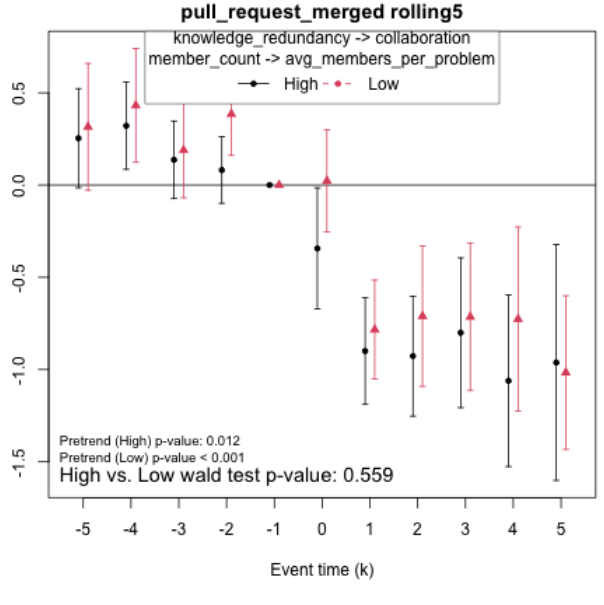

overall_new_release_count rolling5
knowledge_redundancy -> collaboration
hhi -> proj_hhi_pull_request_review_comment
High
Low
Pretrend (High) p-value: 0.351
Pretrend (Low) p-value: 0.752
High vs. Low wald test p-value: 0.528
Event time (k)

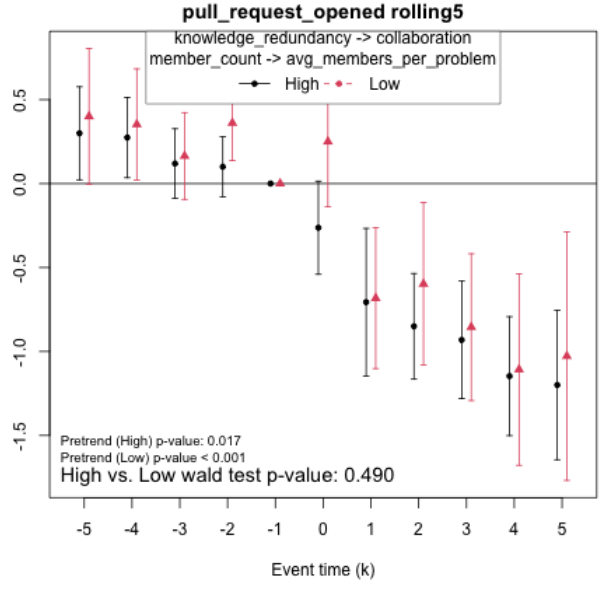

pull_request_merged rolling5
knowledge_redundancy -> collaboration
hhi -> proj_hhi_pull_request_review_comment
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.005
High vs. Low wald test p-value: 0.492
Event time (k)

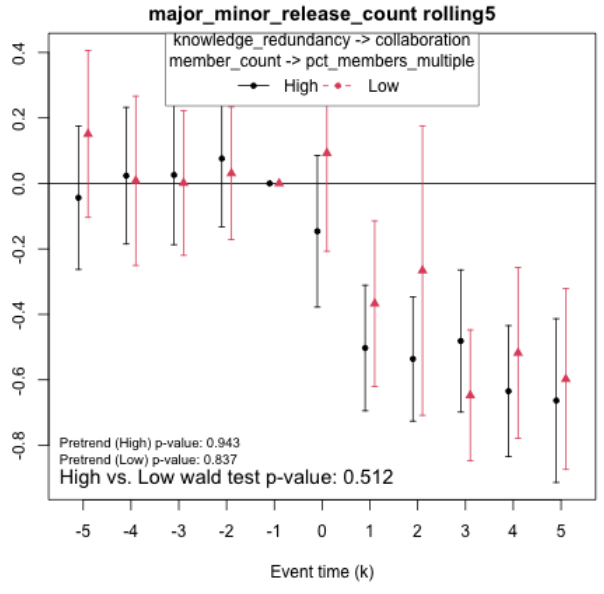

pull_request_opened rolling5
knowledge_redundancy -> collaboration
hhi -> proj_hhi_pull_request_review_comment
High
Low
Pretrend (High) p-value: 0.004
Pretrend (Low) p-value: 0.049
High vs. Low wald test p-value: 0.540
Event time (k)

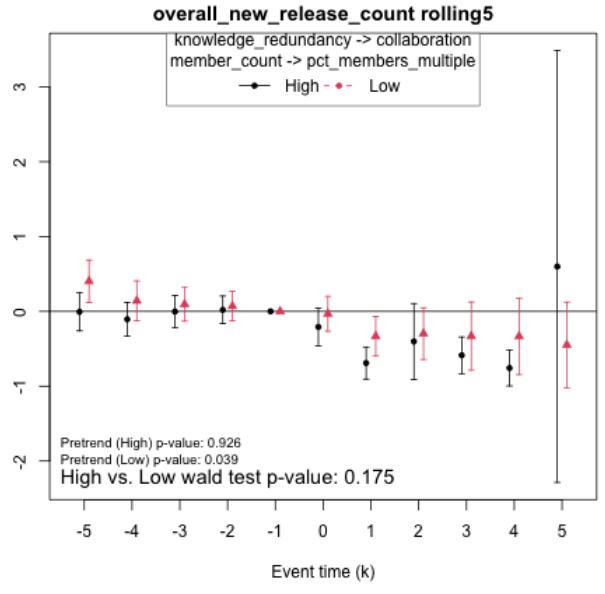

major_minor_release_count rolling5
knowledge_redundancy -> collaboration
member_count -> avg_members_per_problem
High
Low
Pretrend (High) p-value: 0.715
Pretrend (Low) p-value: 0.947
High vs. Low wald test p-value: 0.436
Event time (k)

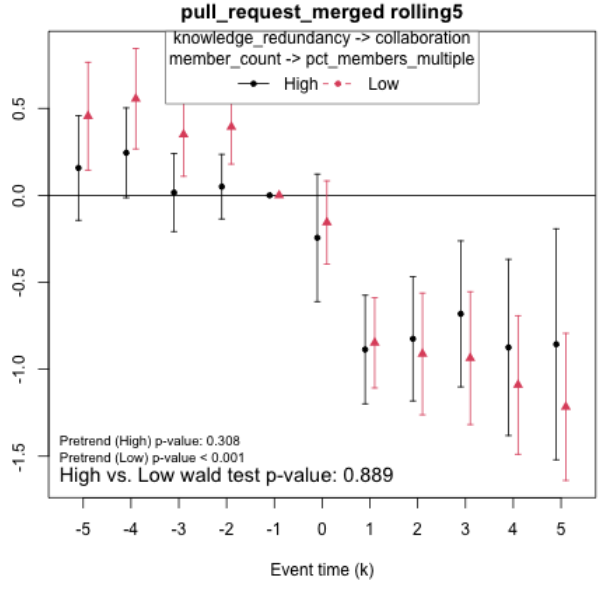

overall_new_release_count rolling5
knowledge_redundancy -> collaboration
member_count -> avg_members_per_problem
High
Low
Pretrend (High) p-value: 0.795
Pretrend (Low) p-value: 0.392
High vs. Low wald test p-value: 0.139
Event time (k)

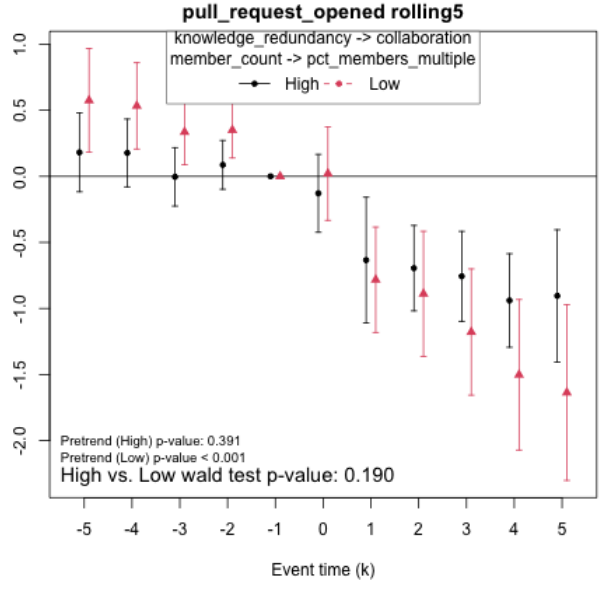

pull_request_merged rolling5
knowledge_redundancy -> collaboration
member_count -> avg_members_per_problem
High
Low
Pretrend (High) p-value: 0.012
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.559
Event time (k)

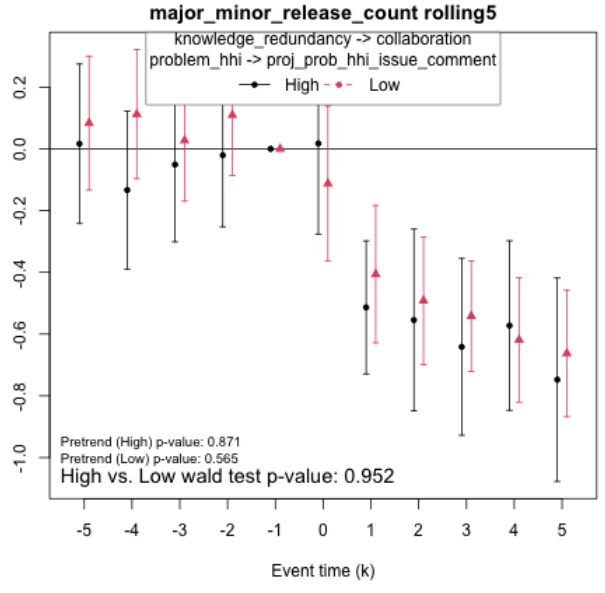

pull_request_opened rolling5
knowledge_redundancy -> collaboration
member_count -> avg_members_per_problem
High
Low
Pretrend (High) p-value: 0.017
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.490
Event time (k)

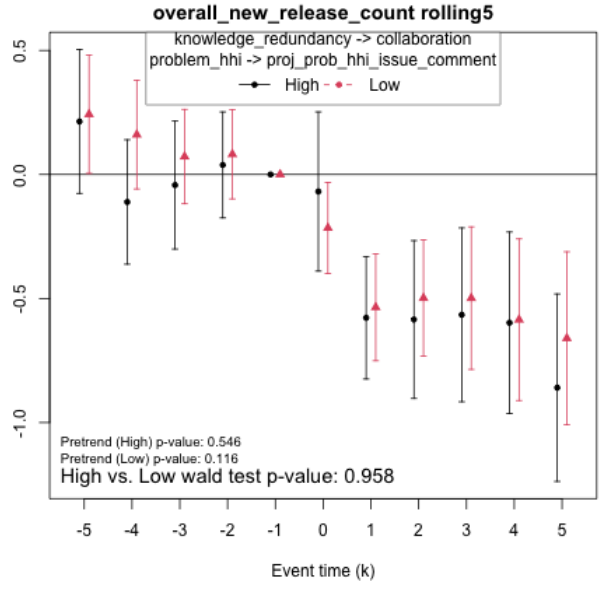

major_minor_release_count rolling5
knowledge_redundancy -> collaboration
member_count -> pct_members_multiple
High
Low
Pretrend (High) p-value: 0.943
Pretrend (Low) p-value: 0.837
High vs. Low wald test p-value: 0.512
Event time (k)

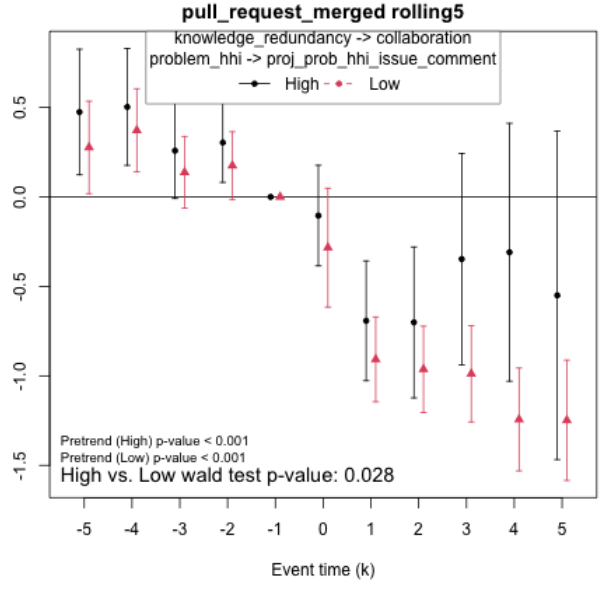

overall_new_release_count rolling5
knowledge_redundancy -> collaboration
member_count -> pct_members_multiple
High
Low
Pretrend (High) p-value: 0.926
Pretrend (Low) p-value: 0.039
High vs. Low wald test p-value: 0.175
Event time (k)

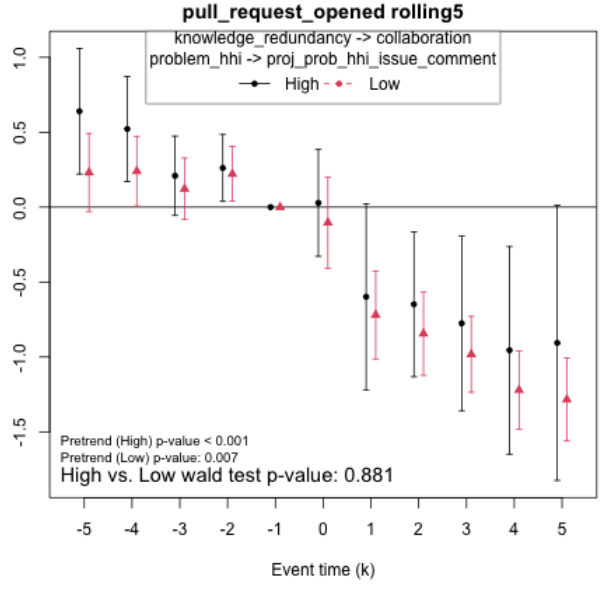

pull_request_merged rolling5
knowledge_redundancy -> collaboration
member_count -> pct_members_multiple
High
Low
Pretrend (High) p-value: 0.308
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.889
Event time (k)

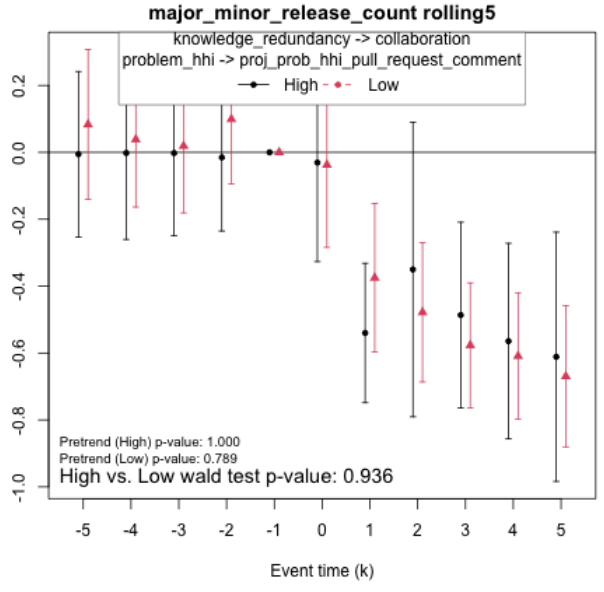

pull_request_opened rolling5
knowledge_redundancy -> collaboration
member_count -> pct_members_multiple
High
Low
Pretrend (High) p-value: 0.391
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.190
Event time (k)

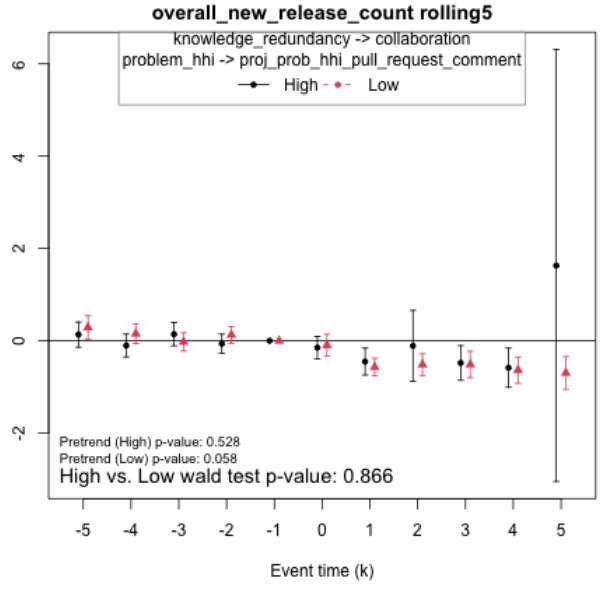

major_minor_release_count rolling5
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_issue_comment
High
Low
Pretrend (High) p-value: 0.871
Pretrend (Low) p-value: 0.565
High vs. Low wald test p-value: 0.952
Event time (k)

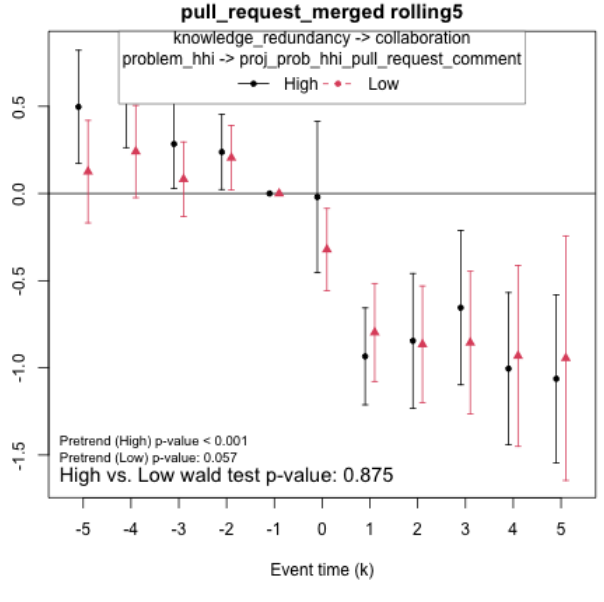

overall_new_release_count rolling5
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_issue_comment
High
Low
Pretrend (High) p-value: 0.546
Pretrend (Low) p-value: 0.116
High vs. Low wald test p-value: 0.958
Event time (k)

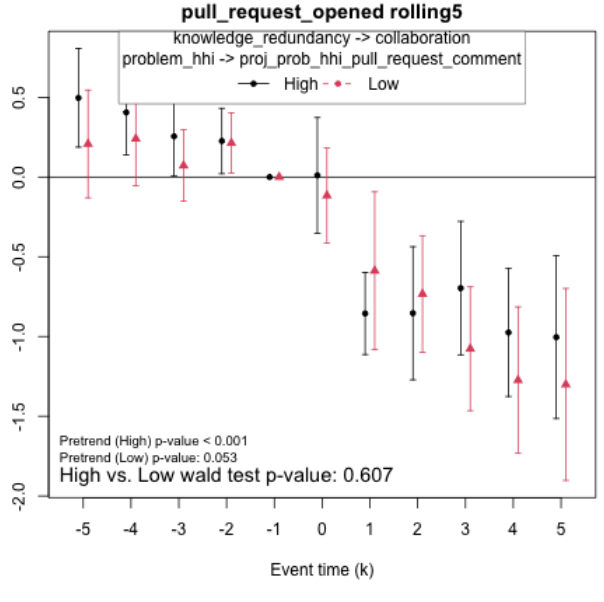

pull_request_merged rolling5
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_issue_comment
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.028
Event time (k)

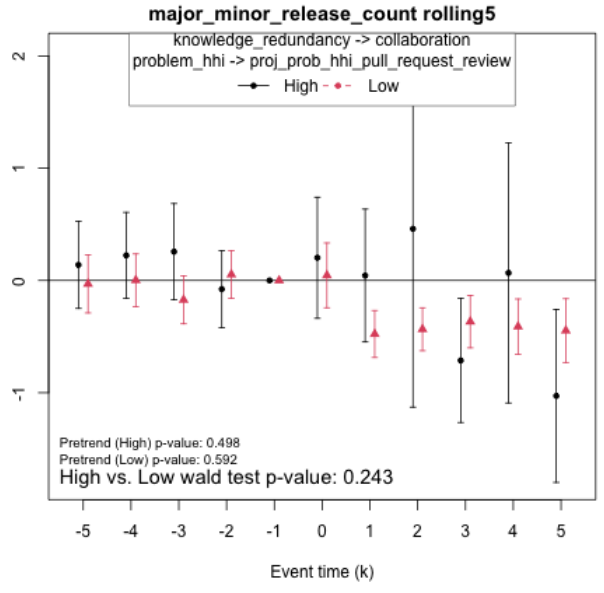

pull_request_opened rolling5
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_issue_comment
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.007
High vs. Low wald test p-value: 0.881
Event time (k)

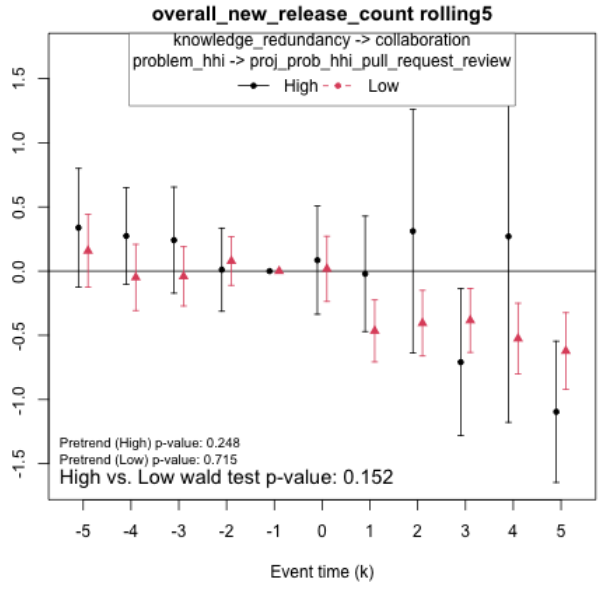

major_minor_release_count rolling5
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_comment
High
Low
Pretrend (High) p-value: 1.000
Pretrend (Low) p-value: 0.789
High vs. Low wald test p-value: 0.936
Event time (k)

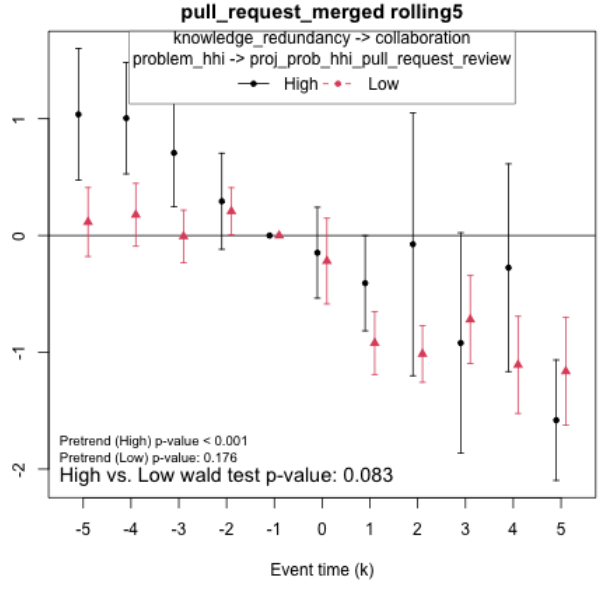

overall_new_release_count rolling5
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_comment
High
Low
Pretrend (High) p-value: 0.528
Pretrend (Low) p-value: 0.058
High vs. Low wald test p-value: 0.866
Event time (k)

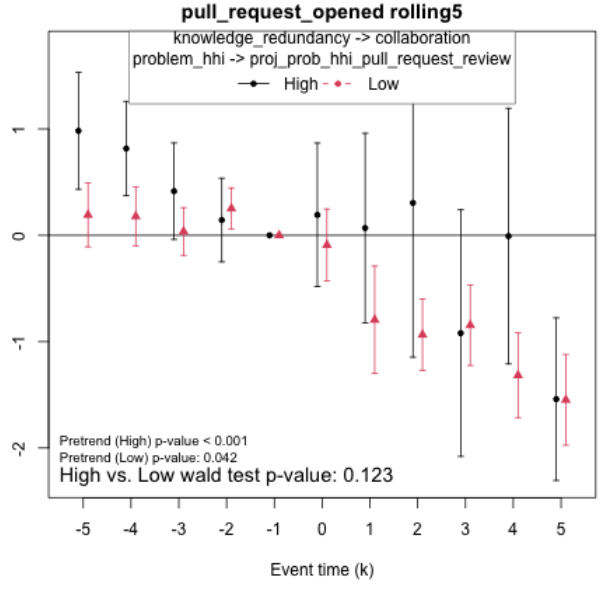

pull_request_merged rolling5
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_comment
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.057
High vs. Low wald test p-value: 0.875
Event time (k)

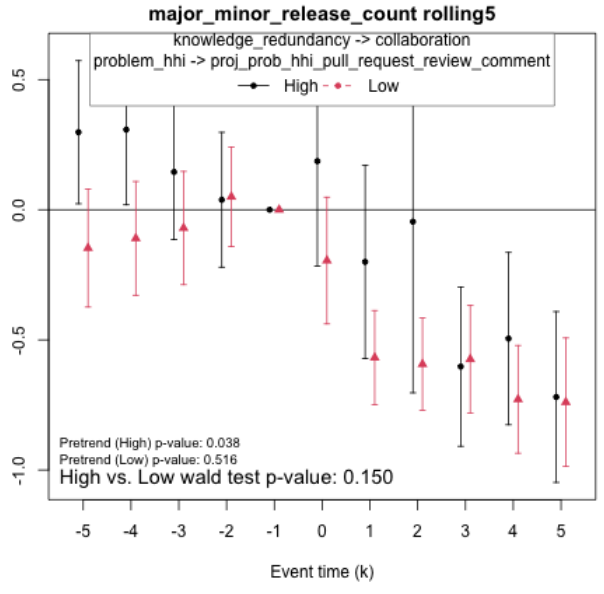

pull_request_opened rolling5
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_comment
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.053
High vs. Low wald test p-value: 0.607
Event time (k)

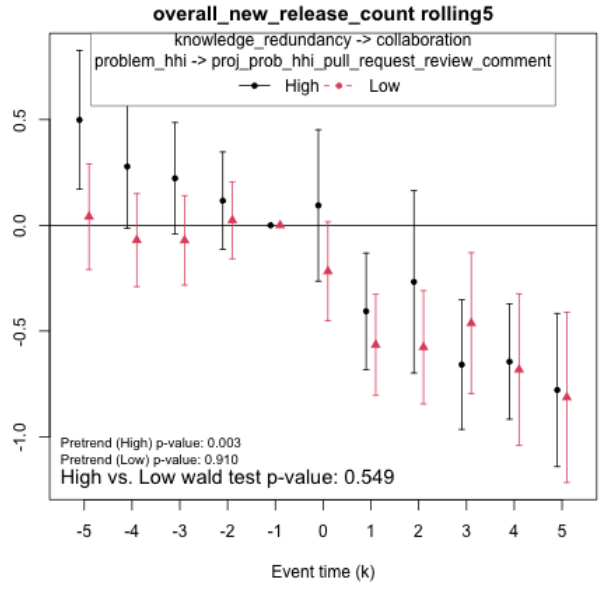

major_minor_release_count rolling5
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_review
High
Low
Pretrend (High) p-value: 0.498
Pretrend (Low) p-value: 0.592
High vs. Low wald test p-value: 0.243
Event time (k)

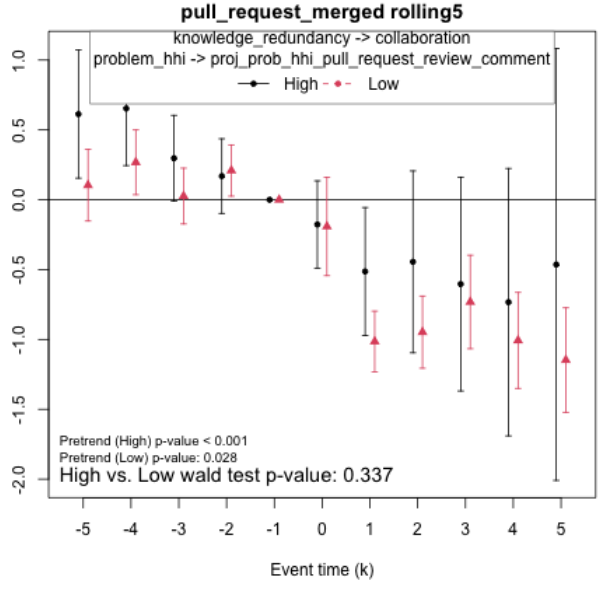

overall_new_release_count rolling5
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_review
High
Low
Pretrend (High) p-value: 0.248
Pretrend (Low) p-value: 0.715
High vs. Low wald test p-value: 0.152
Event time (k)

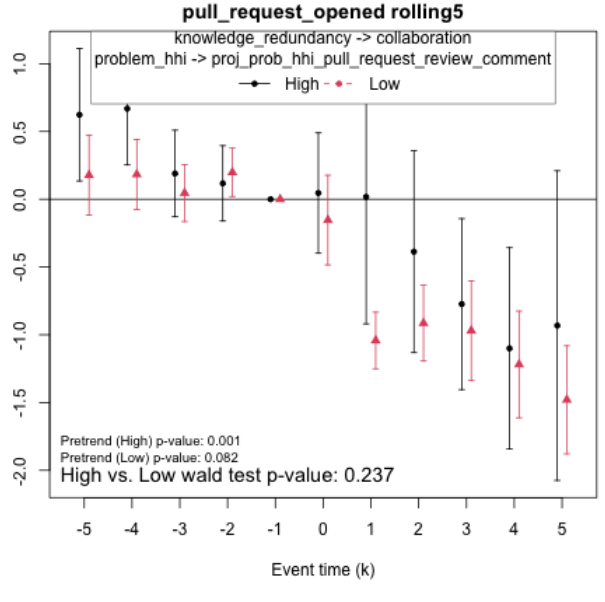

pull_request_merged rolling5
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_review
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.176
High vs. Low wald test p-value: 0.083
Event time (k)

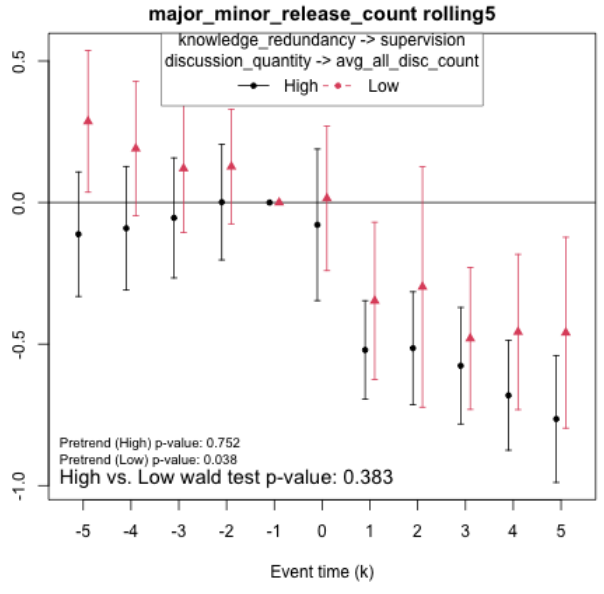

pull_request_opened rolling5
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_review
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.042
High vs. Low wald test p-value: 0.123
Event time (k)

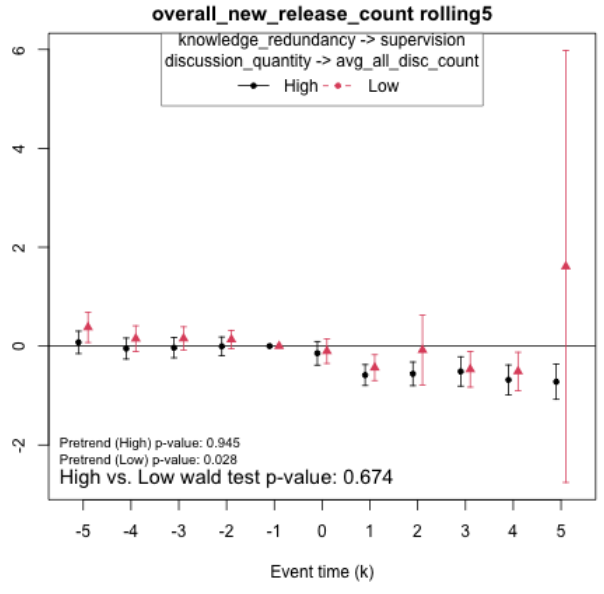

major_minor_release_count rolling5
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_review_comment
High
Low
Pretrend (High) p-value: 0.038
Pretrend (Low) p-value: 0.516
High vs. Low wald test p-value: 0.150
Event time (k)

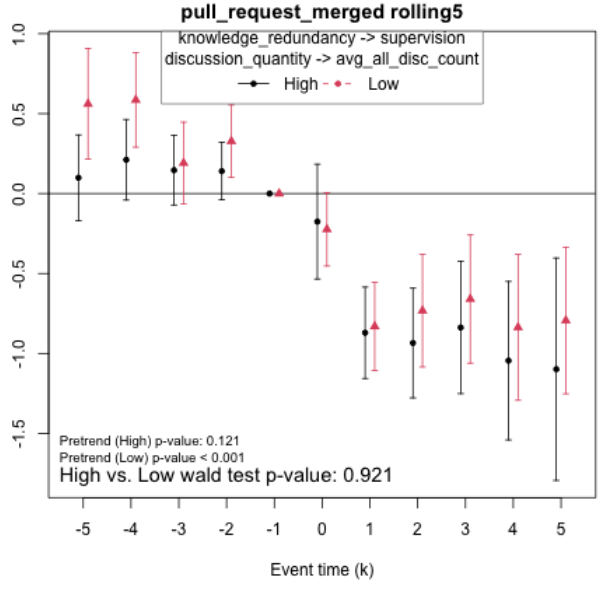

overall_new_release_count rolling5
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_review_comment
High
Low
Pretrend (High) p-value: 0.003
Pretrend (Low) p-value: 0.910
High vs. Low wald test p-value: 0.549
Event time (k)

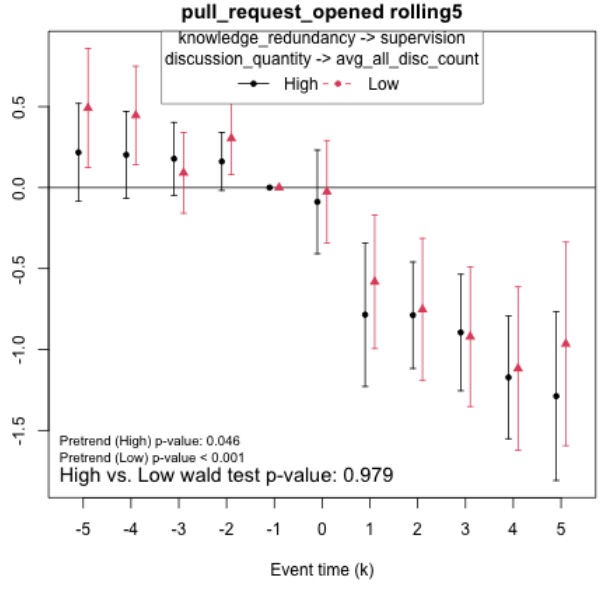

pull_request_merged rolling5
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_review_comment
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.028
High vs. Low wald test p-value: 0.337
Event time (k)

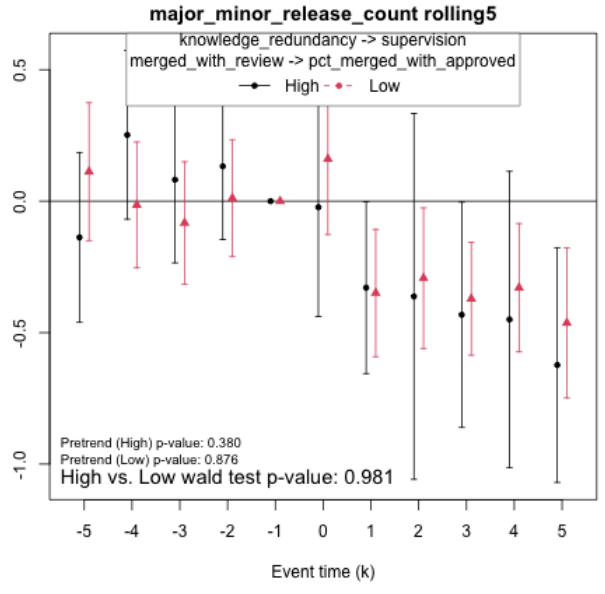

pull_request_opened rolling5
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_review_comment
High
Low
Pretrend (High) p-value: 0.001
Pretrend (Low) p-value: 0.082
High vs. Low wald test p-value: 0.237
Event time (k)

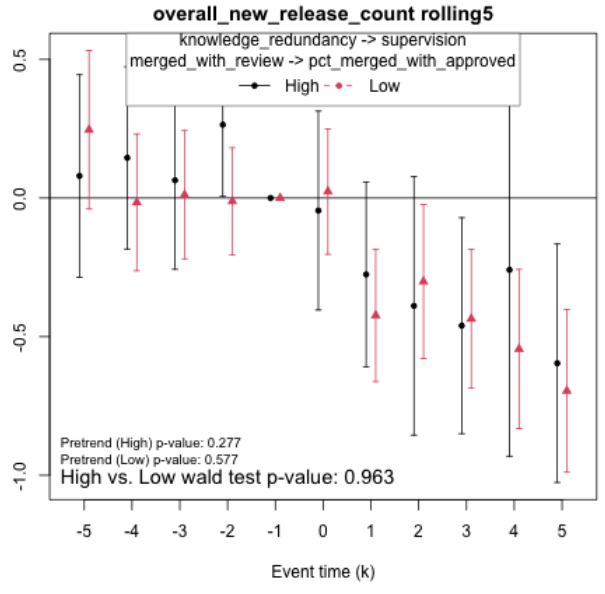

major_minor_release_count rolling5
knowledge_redundancy -> supervision
discussion_quantity -> avg_all_disc_count
High
Low
Pretrend (High) p-value: 0.752
Pretrend (Low) p-value: 0.038
High vs. Low wald test p-value: 0.383
Event time (k)

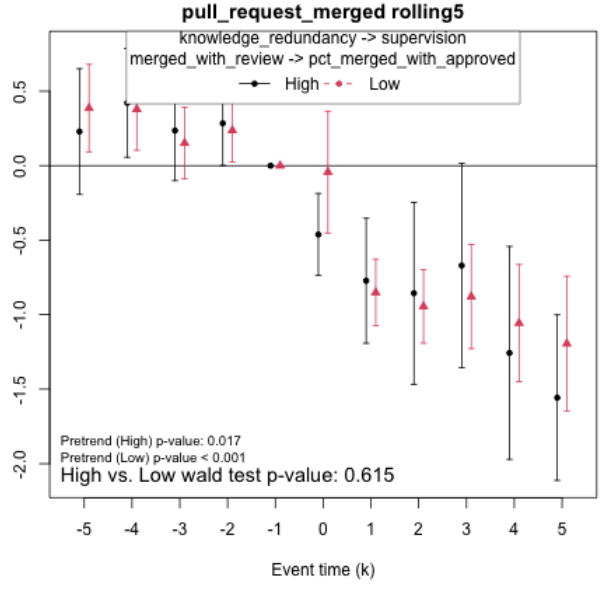

overall_new_release_count rolling5
knowledge_redundancy -> supervision
discussion_quantity -> avg_all_disc_count
High
Low
Pretrend (High) p-value: 0.945
Pretrend (Low) p-value: 0.028
High vs. Low wald test p-value: 0.674
Event time (k)

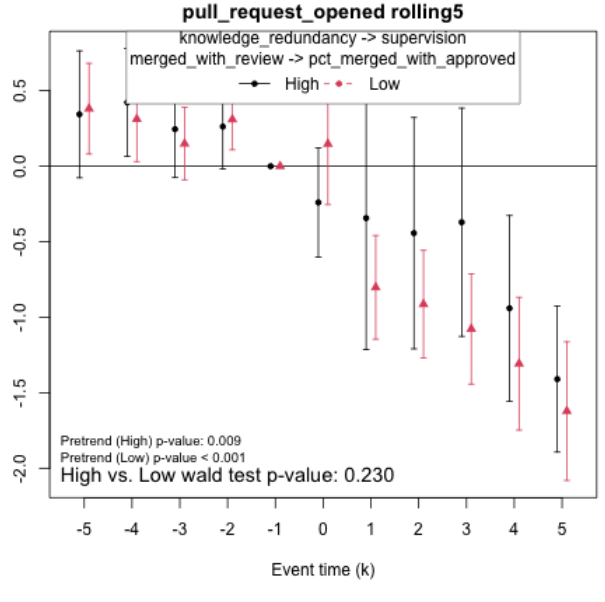

pull_request_merged rolling5
knowledge_redundancy -> supervision
discussion_quantity -> avg_all_disc_count
High
Low
Pretrend (High) p-value: 0.121
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.921
Event time (k)

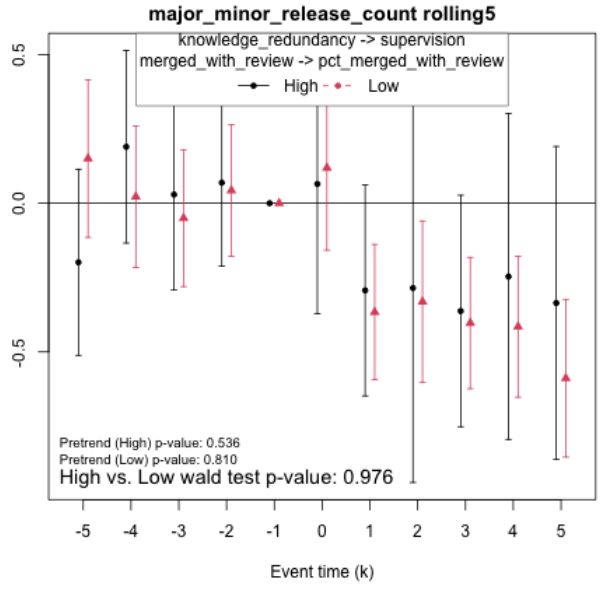

pull_request_opened rolling5
knowledge_redundancy -> supervision
discussion_quantity -> avg_all_disc_count
High
Low
Pretrend (High) p-value: 0.046
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.979
Event time (k)

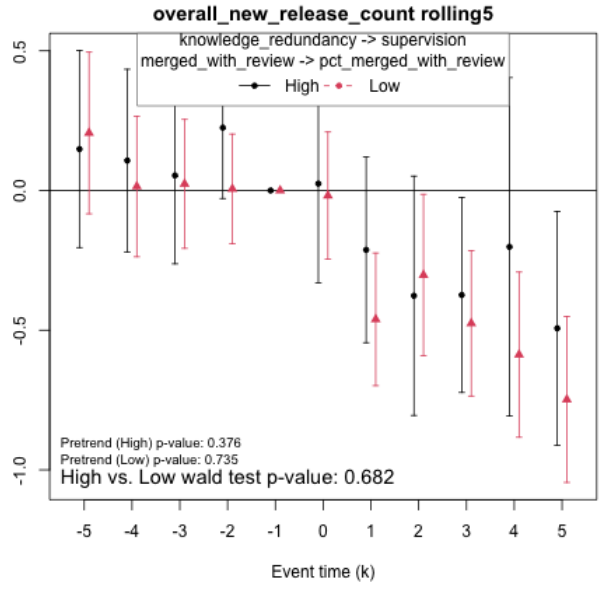

major_minor_release_count rolling5
knowledge_redundancy -> supervision
merged_with_review -> pct_merged_with_approved
High
Low
Pretrend (High) p-value: 0.380
Pretrend (Low) p-value: 0.876
High vs. Low wald test p-value: 0.981
Event time (k)

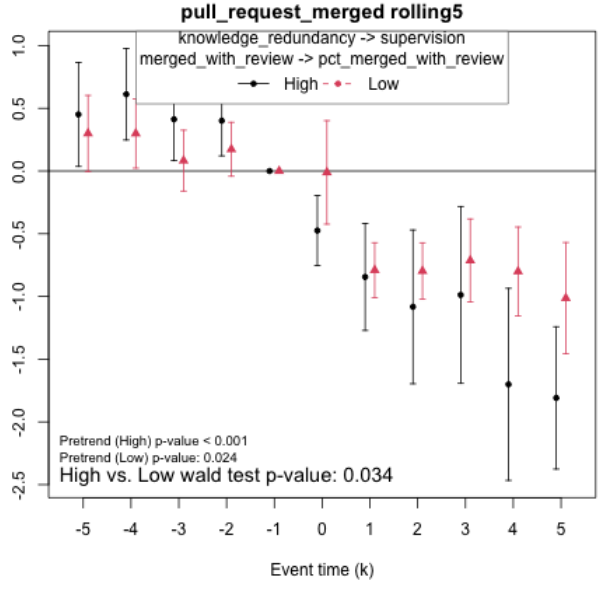

overall_new_release_count rolling5
knowledge_redundancy -> supervision
merged_with_review -> pct_merged_with_approved
High
Low
Pretrend (High) p-value: 0.277
Pretrend (Low) p-value: 0.577
High vs. Low wald test p-value: 0.963
Event time (k)

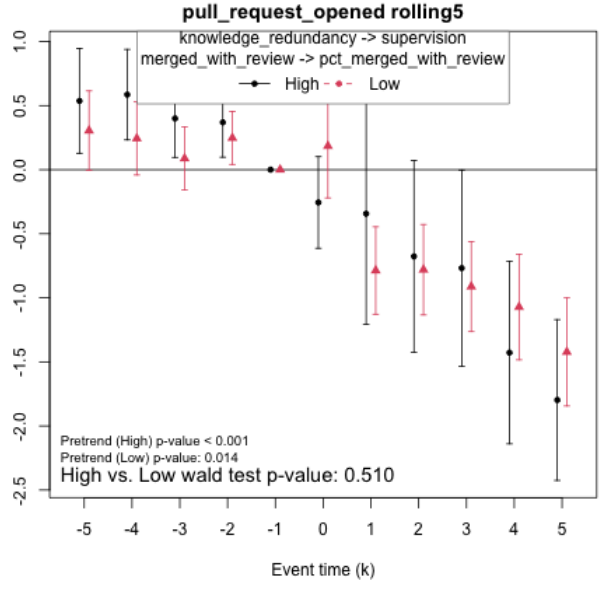

pull_request_merged rolling5
knowledge_redundancy -> supervision
merged_with_review -> pct_merged_with_approved
High
Low
Pretrend (High) p-value: 0.017
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.615
Event time (k)

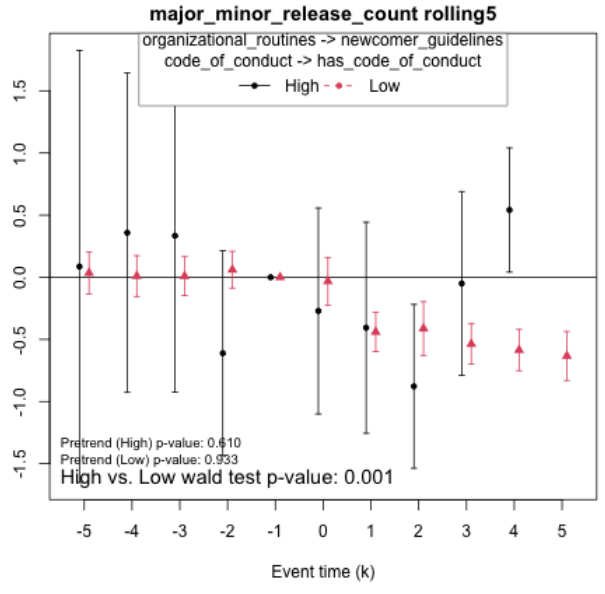

pull_request_opened rolling5
knowledge_redundancy -> supervision
merged_with_review -> pct_merged_with_approved
High
Low
Pretrend (High) p-value: 0.009
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.230
Event time (k)

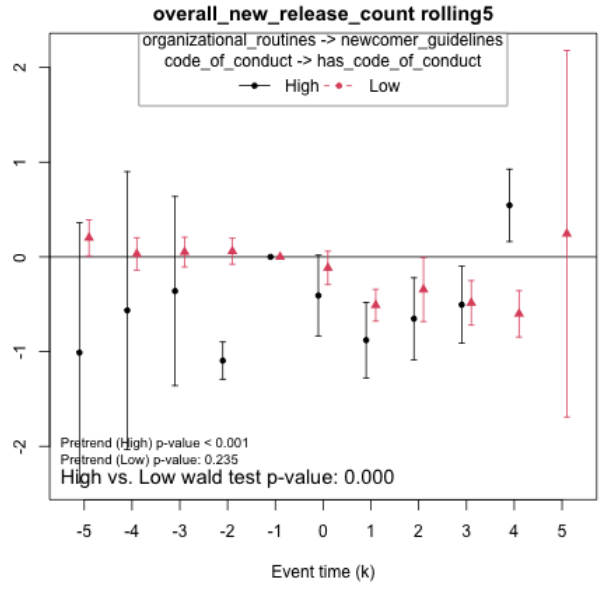

major_minor_release_count rolling5
knowledge_redundancy -> supervision
merged_with_review -> pct_merged_with_review
High
Low
Pretrend (High) p-value: 0.536
Pretrend (Low) p-value: 0.810
High vs. Low wald test p-value: 0.976
Event time (k)

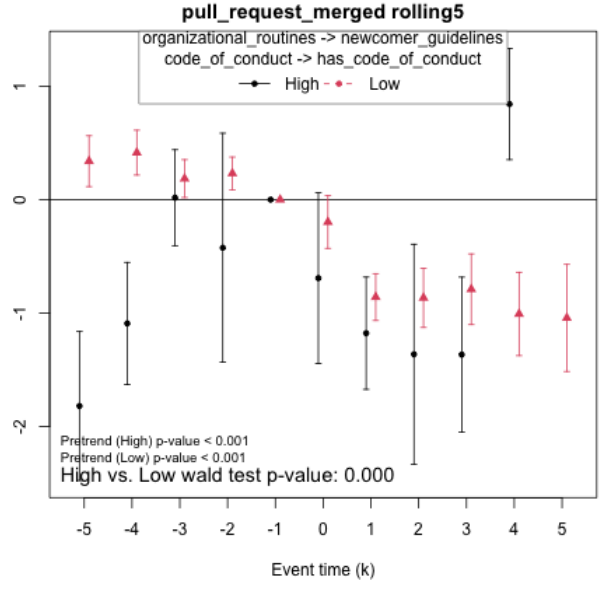

overall_new_release_count rolling5
knowledge_redundancy -> supervision
merged_with_review -> pct_merged_with_review
High
Low
Pretrend (High) p-value: 0.376
Pretrend (Low) p-value: 0.735
High vs. Low wald test p-value: 0.682
Event time (k)

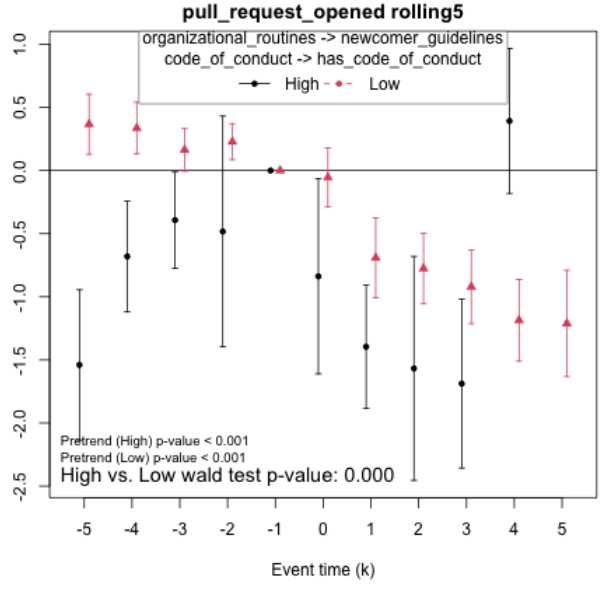

pull_request_merged rolling5
knowledge_redundancy -> supervision
merged_with_review -> pct_merged_with_review
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.024
High vs. Low wald test p-value: 0.034
Event time (k)

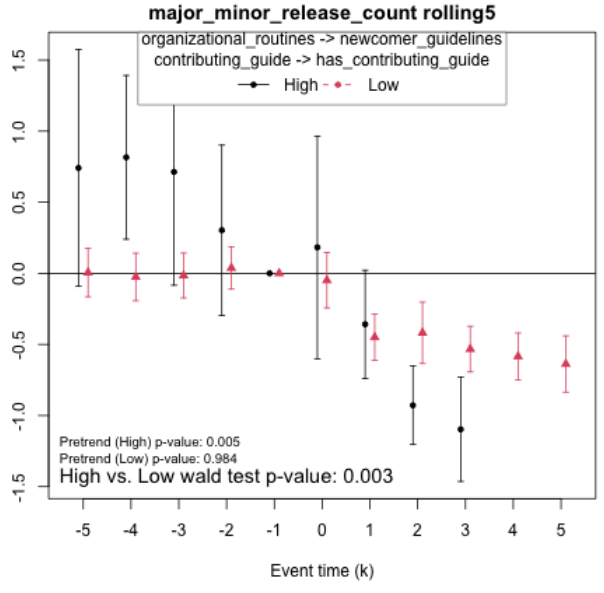

pull_request_opened rolling5
knowledge_redundancy -> supervision
merged_with_review -> pct_merged_with_review
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.014
High vs. Low wald test p-value: 0.510
Event time (k)

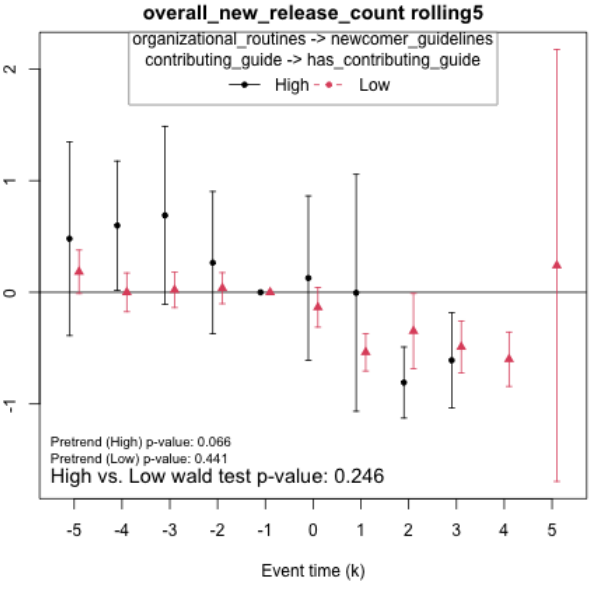

major_minor_release_count rolling5
organizational_routines -> newcomer_guidelines
code_of_conduct -> has_code_of_conduct
High
Low
Pretrend (High) p-value: 0.610
Pretrend (Low) p-value: 0.933
High vs. Low wald test p-value: 0.001
Event time (k)

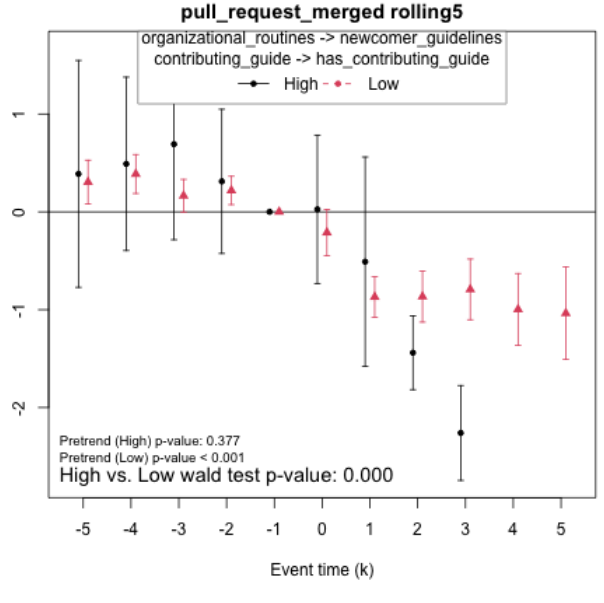

overall_new_release_count rolling5
organizational_routines -> newcomer_guidelines
code_of_conduct -> has_code_of_conduct
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.235
High vs. Low wald test p-value: 0.000
Event time (k)

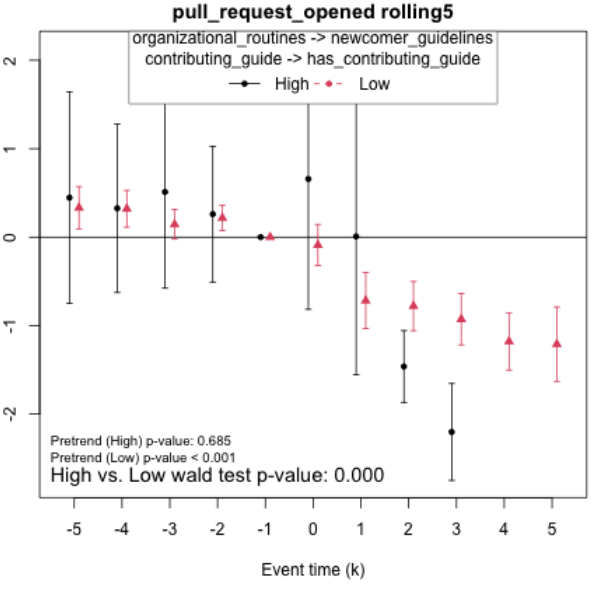

pull_request_merged rolling5
organizational_routines -> newcomer_guidelines
code_of_conduct -> has_code_of_conduct
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.000
Event time (k)

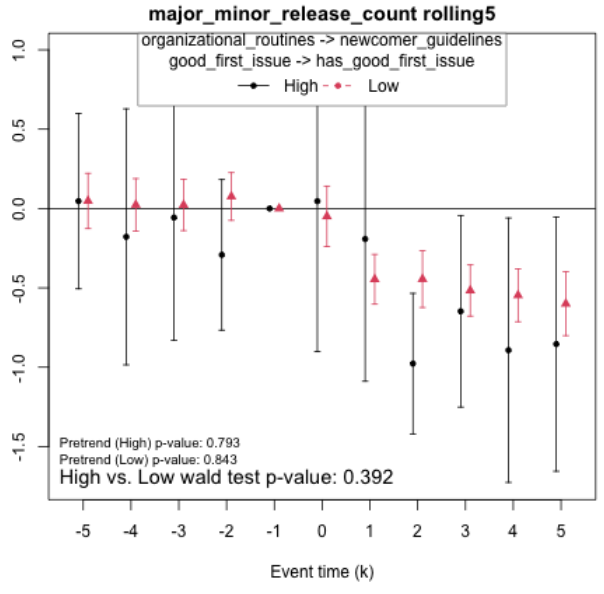

pull_request_opened rolling5
organizational_routines -> newcomer_guidelines
code_of_conduct -> has_code_of_conduct
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.000
Event time (k)

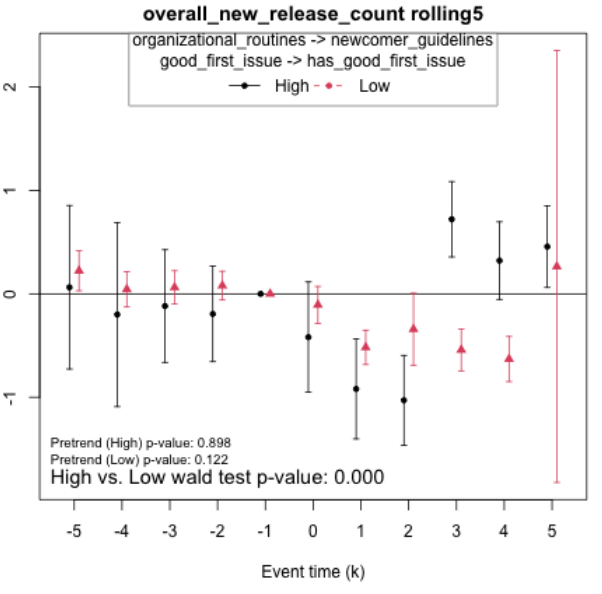

major_minor_release_count rolling5
organizational_routines -> newcomer_guidelines
contributing_guide -> has_contributing_guide
High
Low
Pretrend (High) p-value: 0.005
Pretrend (Low) p-value: 0.984
High vs. Low wald test p-value: 0.003
Event time (k)

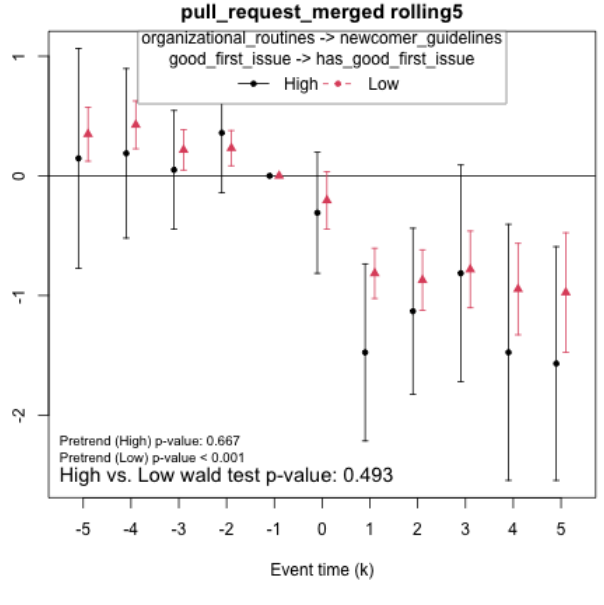

overall_new_release_count rolling5
organizational_routines -> newcomer_guidelines
contributing_guide -> has_contributing_guide
High
Low
Pretrend (High) p-value: 0.066
Pretrend (Low) p-value: 0.441
High vs. Low wald test p-value: 0.246
Event time (k)

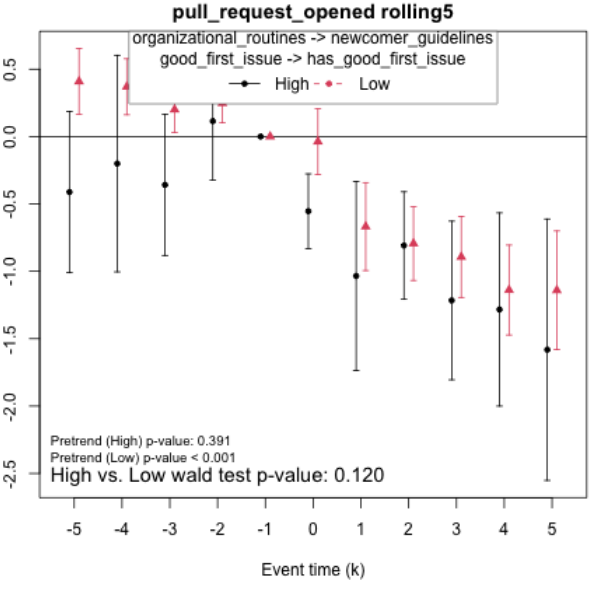

pull_request_merged rolling5
organizational_routines -> newcomer_guidelines
contributing_guide -> has_contributing_guide
High
Low
Pretrend (High) p-value: 0.377
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.000
Event time (k)

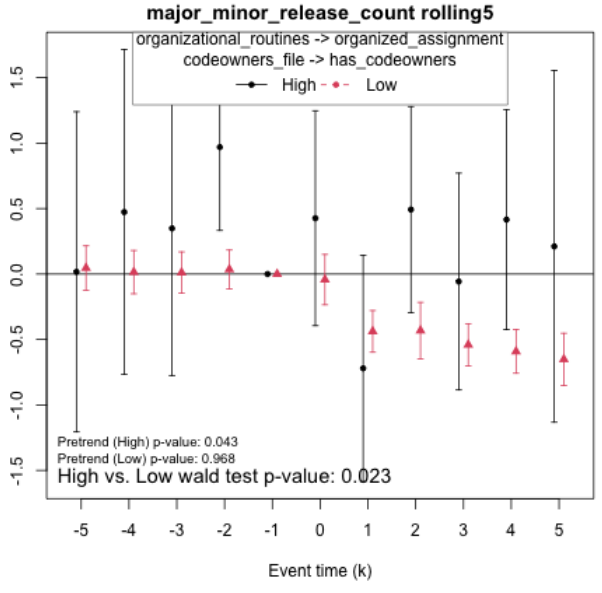

pull_request_opened rolling5
organizational_routines -> newcomer_guidelines
contributing_guide -> has_contributing_guide
High
Low
Pretrend (High) p-value: 0.685
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.000
Event time (k)

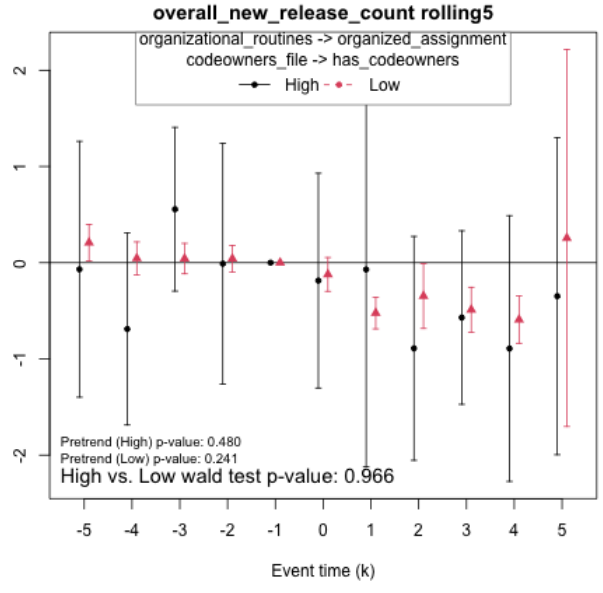

major_minor_release_count rolling5
organizational_routines -> newcomer_guidelines
good_first_issue -> has_good_first_issue
High
Low
Pretrend (High) p-value: 0.793
Pretrend (Low) p-value: 0.843
High vs. Low wald test p-value: 0.392
Event time (k)

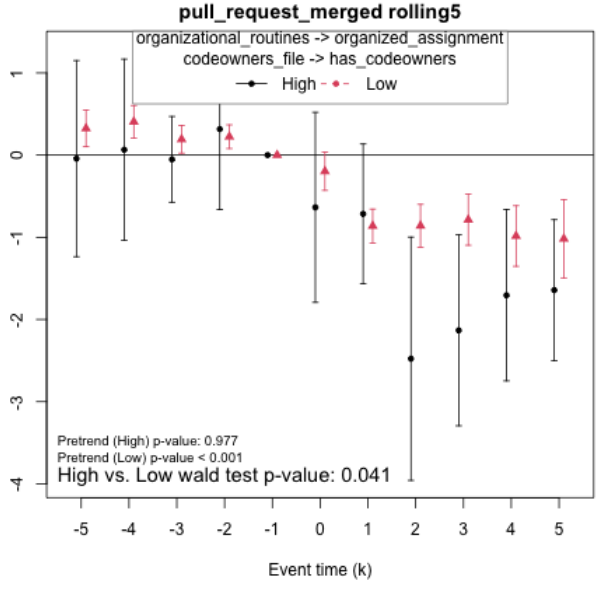

overall_new_release_count rolling5
organizational_routines -> newcomer_guidelines
good_first_issue -> has_good_first_issue
High
Low
Pretrend (High) p-value: 0.898
Pretrend (Low) p-value: 0.122
High vs. Low wald test p-value: 0.000
Event time (k)

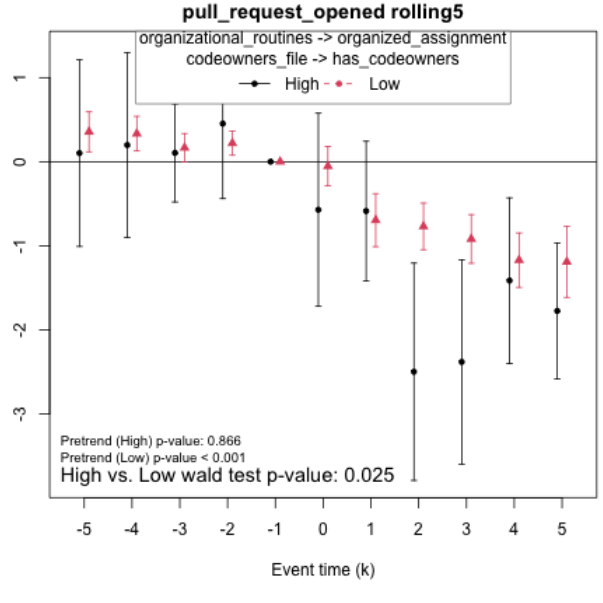

pull_request_merged rolling5
organizational_routines -> newcomer_guidelines
good_first_issue -> has_good_first_issue
High
Low
Pretrend (High) p-value: 0.667
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.493
Event time (k)

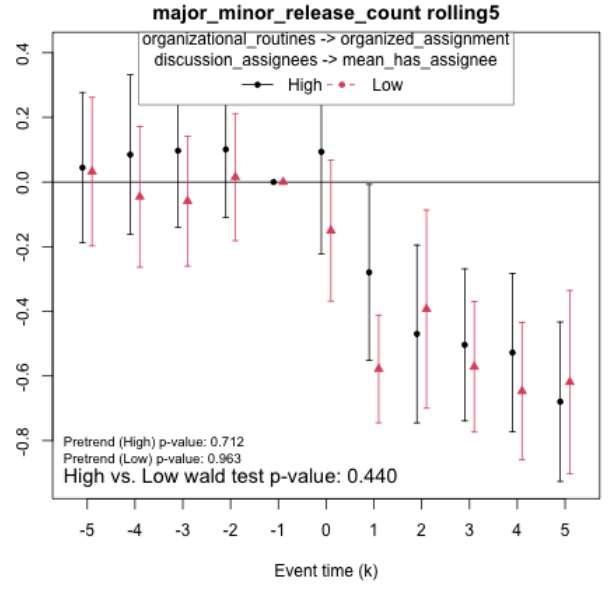

pull_request_opened rolling5
organizational_routines -> newcomer_guidelines
good_first_issue -> has_good_first_issue
High
Low
Pretrend (High) p-value: 0.391
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.120
Event time (k)

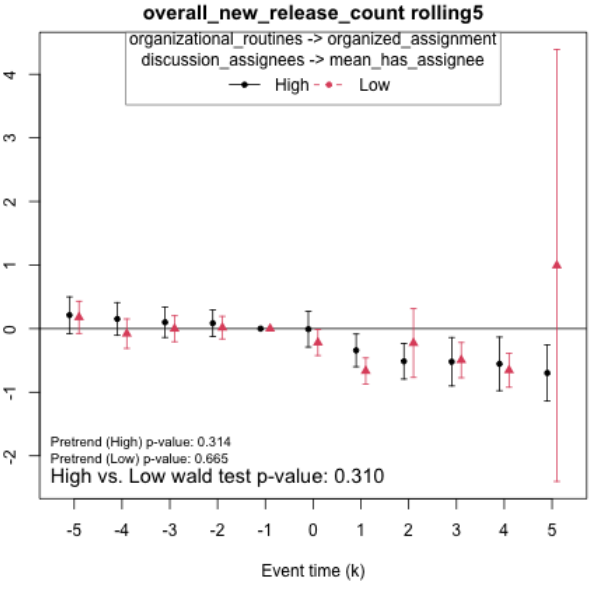

major_minor_release_count rolling5
organizational_routines -> organized_assignment
codeowners_file -> has_codeowners
High
Low
Pretrend (High) p-value: 0.043
Pretrend (Low) p-value: 0.968
High vs. Low wald test p-value: 0.023
Event time (k)

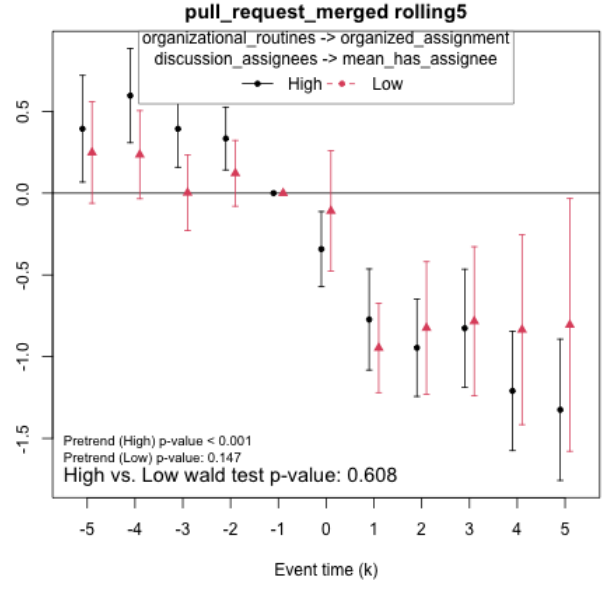

overall_new_release_count rolling5
organizational_routines -> organized_assignment
codeowners_file -> has_codeowners
High
Low
Pretrend (High) p-value: 0.480
Pretrend (Low) p-value: 0.241
High vs. Low wald test p-value: 0.966
Event time (k)

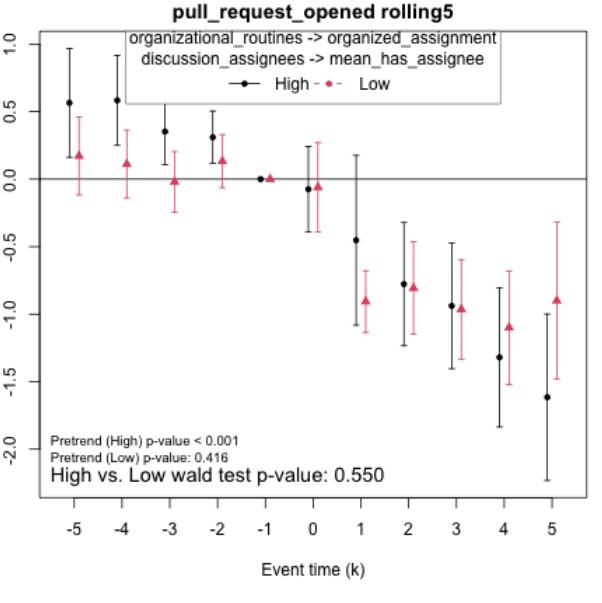

pull_request_merged rolling5
organizational_routines -> organized_assignment
codeowners_file -> has_codeowners
High
Low
Pretrend (High) p-value: 0.977
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.041
Event time (k)

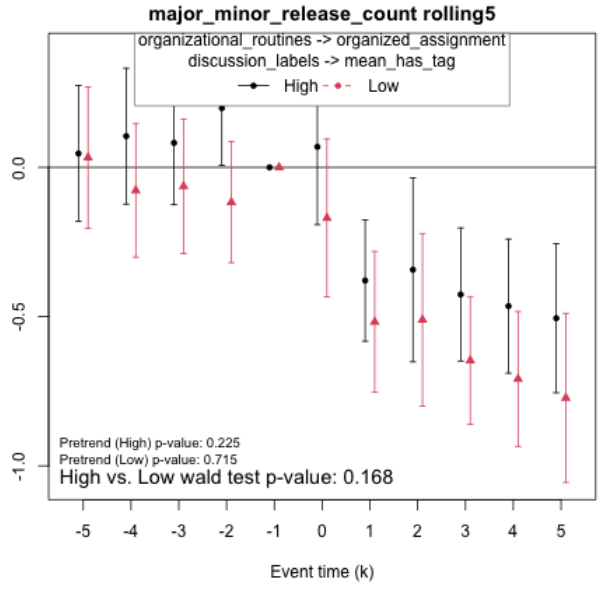

pull_request_opened rolling5
organizational_routines -> organized_assignment
codeowners_file -> has_codeowners
High
Low
Pretrend (High) p-value: 0.866
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.025
Event time (k)

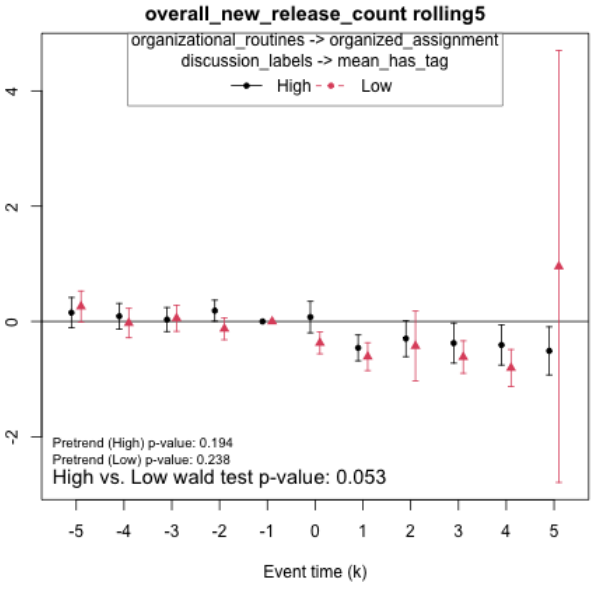

major_minor_release_count rolling5
organizational_routines -> organized_assignment
discussion_assignees -> mean_has_assignee
High
Low
Pretrend (High) p-value: 0.712
Pretrend (Low) p-value: 0.963
High vs. Low wald test p-value: 0.440
Event time (k)

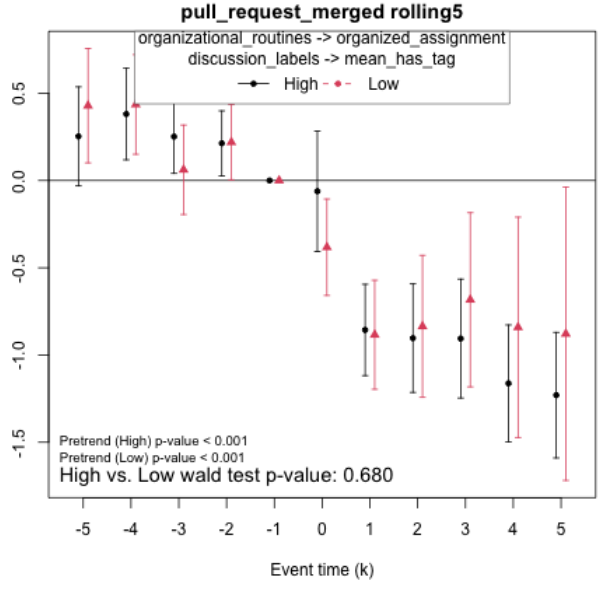

overall_new_release_count rolling5
organizational_routines -> organized_assignment
discussion_assignees -> mean_has_assignee
High
Low
Pretrend (High) p-value: 0.314
Pretrend (Low) p-value: 0.665
High vs. Low wald test p-value: 0.310
Event time (k)

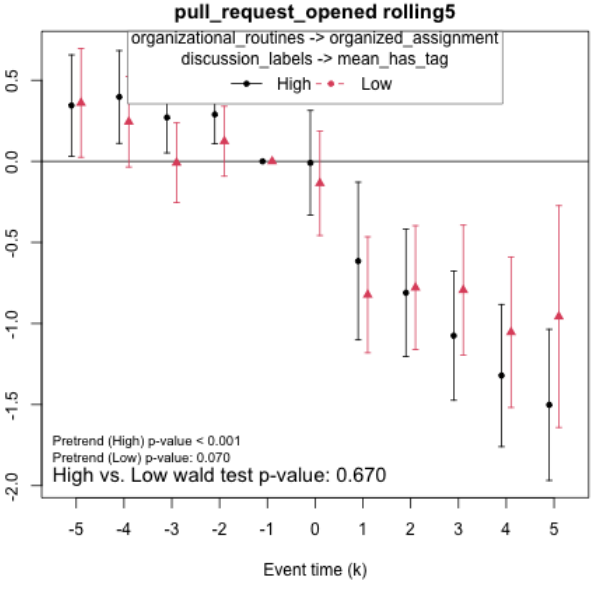

pull_request_merged rolling5
organizational_routines -> organized_assignment
discussion_assignees -> mean_has_assignee
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.147
High vs. Low wald test p-value: 0.608
Event time (k)

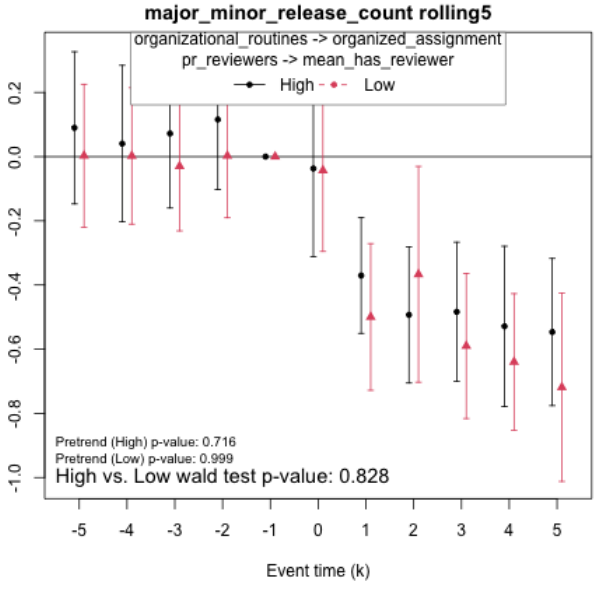

pull_request_opened rolling5
organizational_routines -> organized_assignment
discussion_assignees -> mean_has_assignee
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.416
High vs. Low wald test p-value: 0.550
Event time (k)

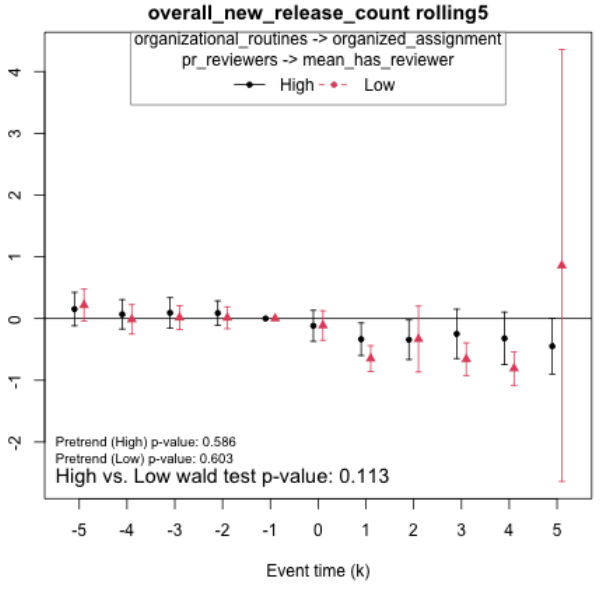

major_minor_release_count rolling5
organizational_routines -> organized_assignment
discussion_labels -> mean_has_tag
High
Low
Pretrend (High) p-value: 0.225
Pretrend (Low) p-value: 0.715
High vs. Low wald test p-value: 0.168
Event time (k)

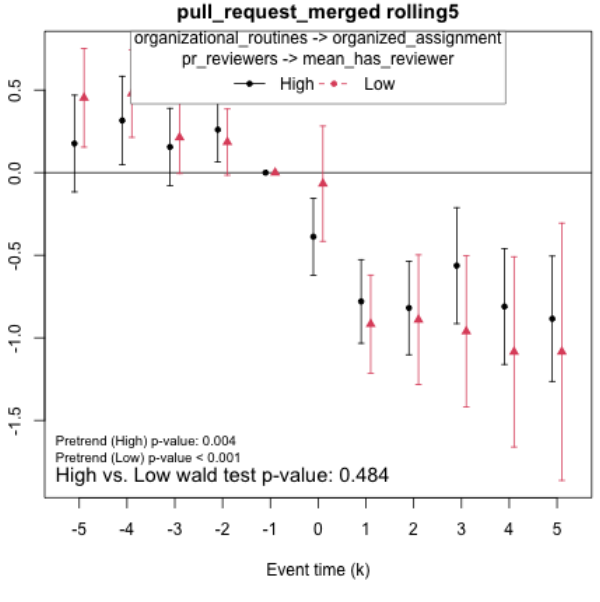

overall_new_release_count rolling5
organizational_routines -> organized_assignment
discussion_labels -> mean_has_tag
High
Low
Pretrend (High) p-value: 0.194
Pretrend (Low) p-value: 0.238
High vs. Low wald test p-value: 0.053
Event time (k)

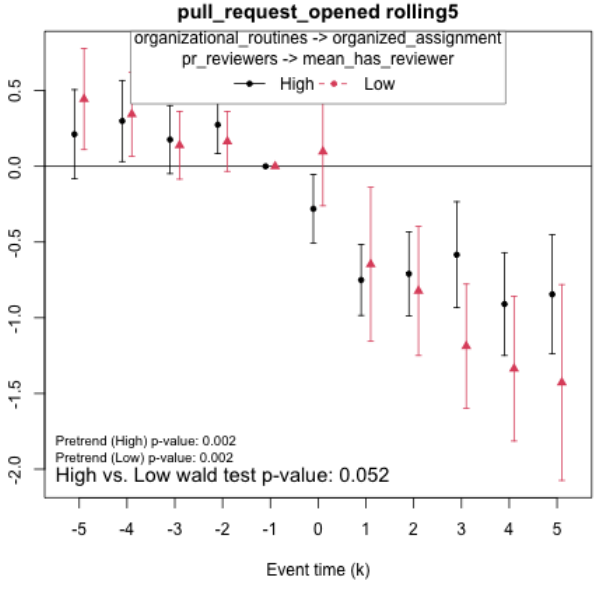

pull_request_merged rolling5
organizational_routines -> organized_assignment
discussion_labels -> mean_has_tag
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.680
Event time (k)

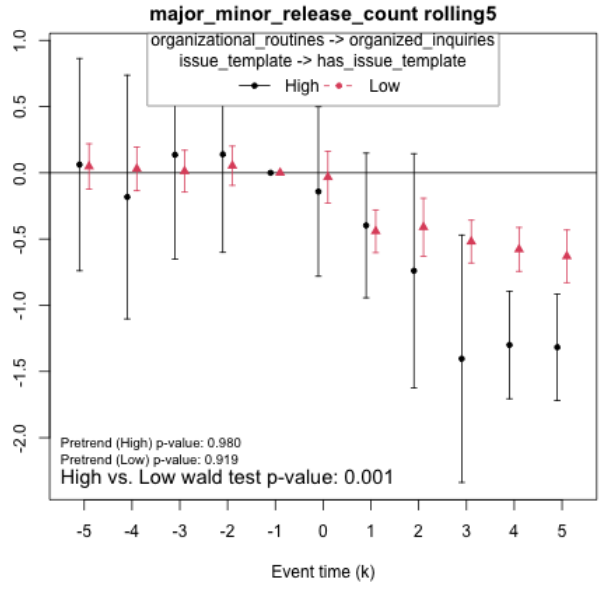

pull_request_opened rolling5
organizational_routines -> organized_assignment
discussion_labels -> mean_has_tag
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.070
High vs. Low wald test p-value: 0.670
Event time (k)

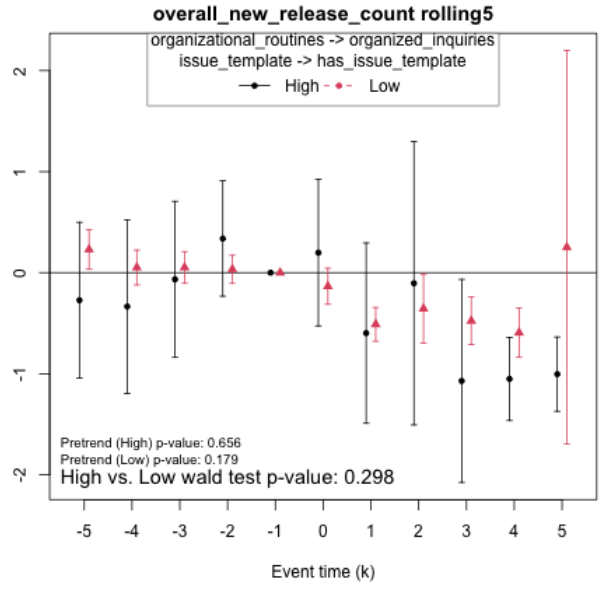

major_minor_release_count rolling5
organizational_routines -> organized_assignment
pr_reviewers -> mean_has_reviewer
High
Low
Pretrend (High) p-value: 0.716
Pretrend (Low) p-value: 0.999
High vs. Low wald test p-value: 0.828
Event time (k)

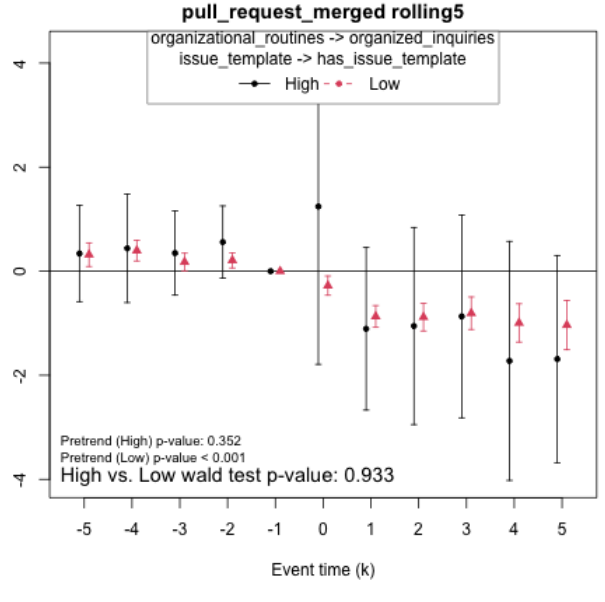

overall_new_release_count rolling5
organizational_routines -> organized_assignment
pr_reviewers -> mean_has_reviewer
High
Low
Pretrend (High) p-value: 0.586
Pretrend (Low) p-value: 0.603
High vs. Low wald test p-value: 0.113
Event time (k)

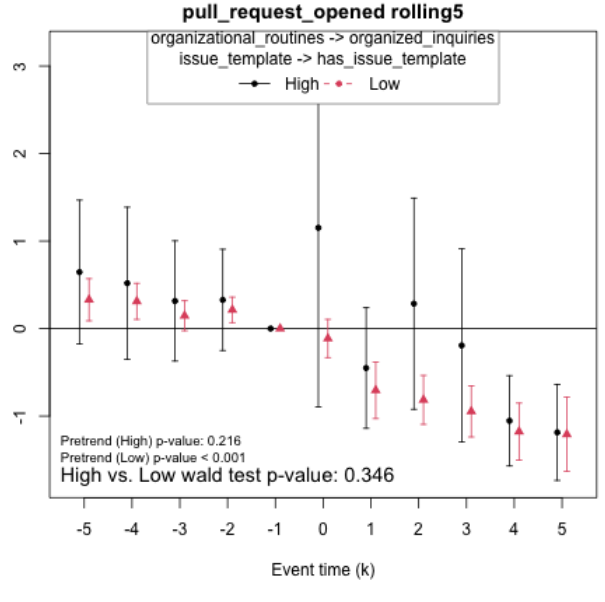

pull_request_merged rolling5
organizational_routines -> organized_assignment
pr_reviewers -> mean_has_reviewer
High
Low
Pretrend (High) p-value: 0.004
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.484
Event time (k)

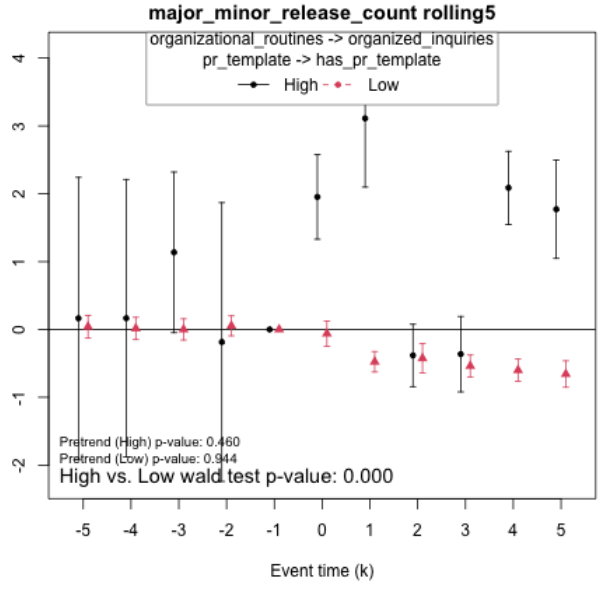

pull_request_opened rolling5
organizational_routines -> organized_assignment
pr_reviewers -> mean_has_reviewer
High
Low
Pretrend (High) p-value: 0.002
Pretrend (Low) p-value: 0.002
High vs. Low wald test p-value: 0.052
Event time (k)

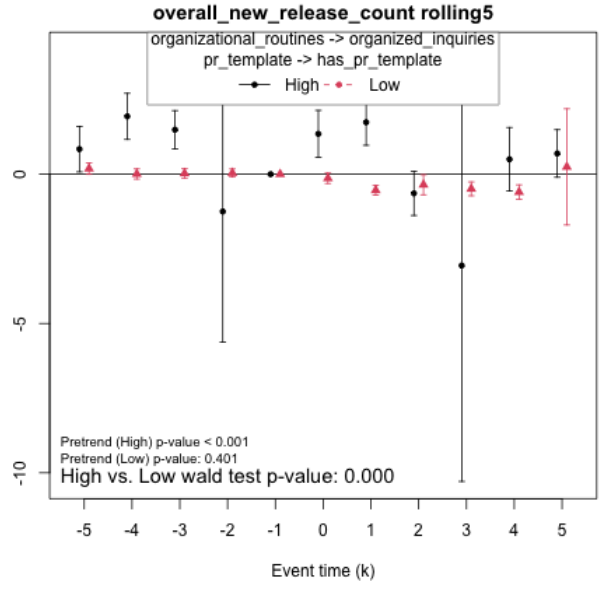

major_minor_release_count rolling5
organizational_routines -> organized_inquiries
issue_template -> has_issue_template
High
Low
Pretrend (High) p-value: 0.980
Pretrend (Low) p-value: 0.919
High vs. Low wald test p-value: 0.001
Event time (k)

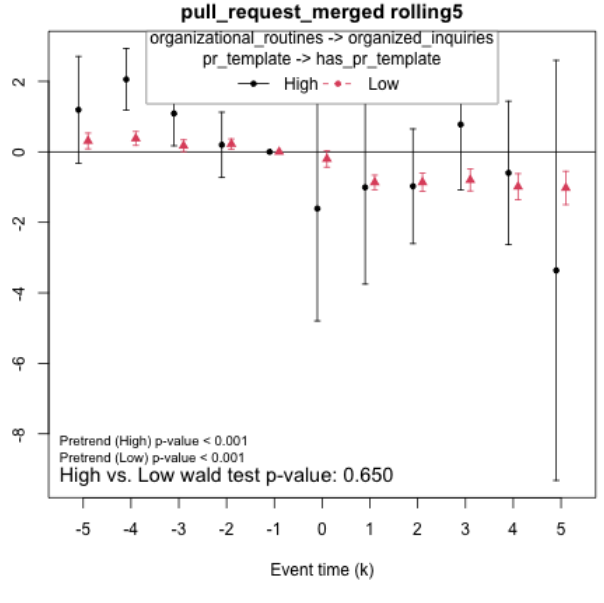

overall_new_release_count rolling5
organizational_routines -> organized_inquiries
issue_template -> has_issue_template
High
Low
Pretrend (High) p-value: 0.656
Pretrend (Low) p-value: 0.179
High vs. Low wald test p-value: 0.298
Event time (k)

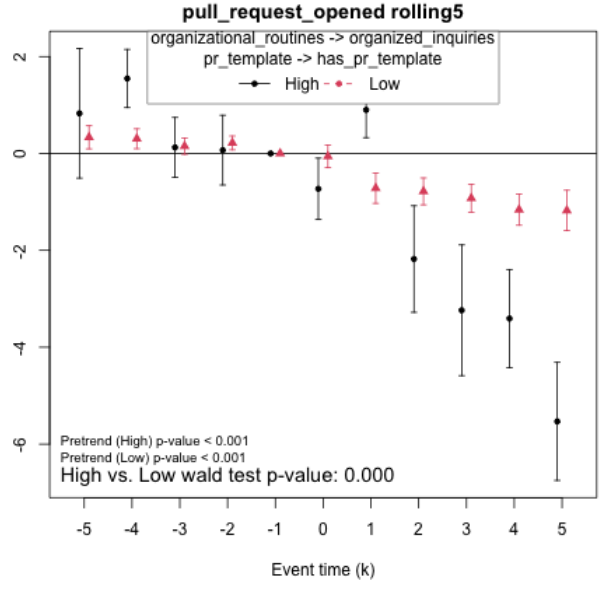

pull_request_merged rolling5
organizational_routines -> organized_inquiries
issue_template -> has_issue_template
High
Low
Pretrend (High) p-value: 0.352
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.933
Event time (k)

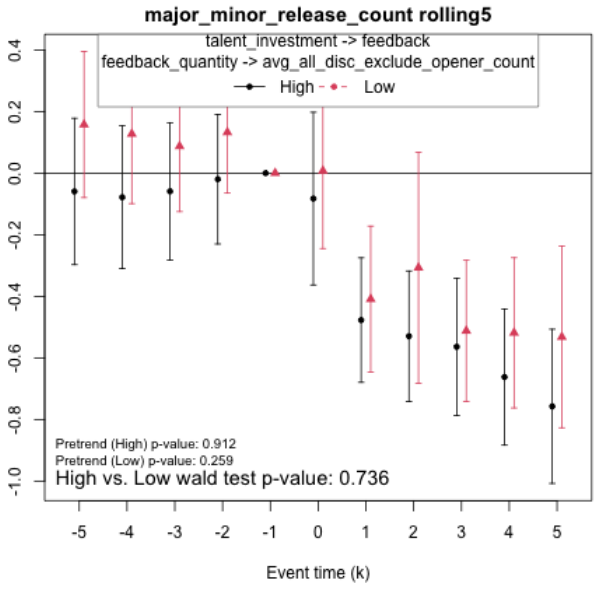

pull_request_opened rolling5
organizational_routines -> organized_inquiries
issue_template -> has_issue_template
High
Low
Pretrend (High) p-value: 0.216
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.346
Event time (k)

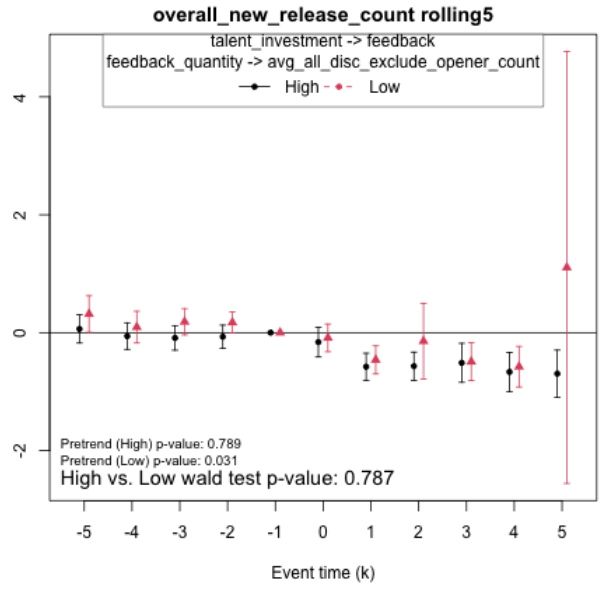

major_minor_release_count rolling5
organizational_routines -> organized_inquiries
pr_template -> has_pr_template
High
Low
Pretrend (High) p-value: 0.460
Pretrend (Low) p-value: 0.944
High vs. Low wald test p-value: 0.000
Event time (k)

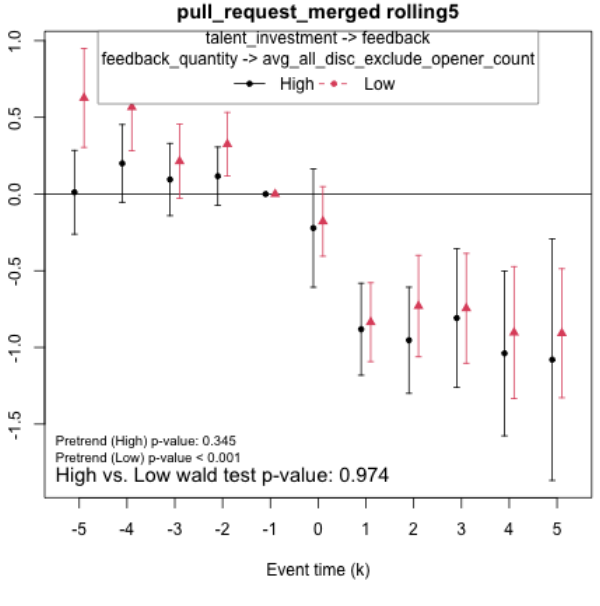

overall_new_release_count rolling5
organizational_routines -> organized_inquiries
pr_template -> has_pr_template
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.401
High vs. Low wald test p-value: 0.000
Event time (k)

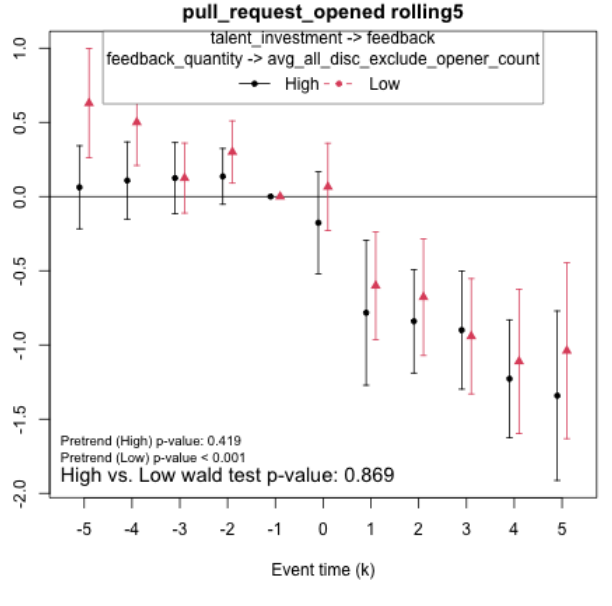

pull_request_merged rolling5
organizational_routines -> organized_inquiries
pr_template -> has_pr_template
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.650
Event time (k)

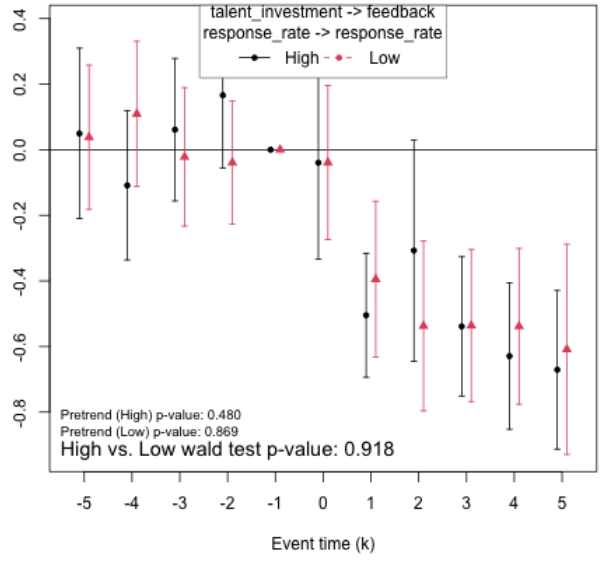

pull_request_opened rolling5
organizational_routines -> organized_inquiries
pr_template -> has_pr_template
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.000
Event time (k)

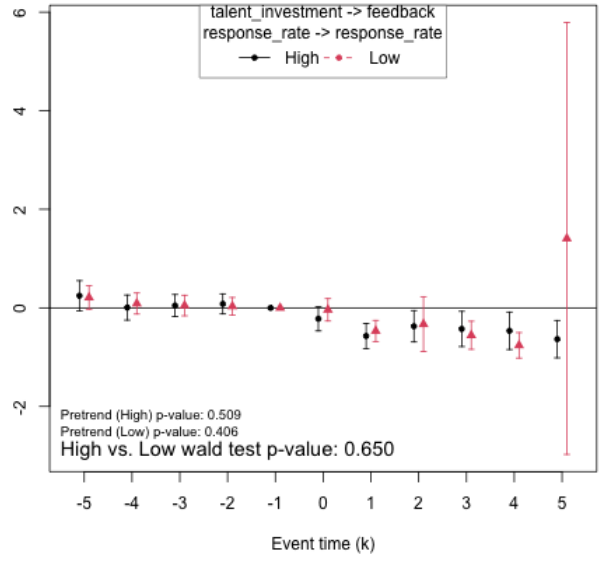

major_minor_release_count rolling5
talent_investment -> feedback
feedback_quantity -> avg_all_disc_exclude_opener_count
High
Low
Pretrend (High) p-value: 0.912
Pretrend (Low) p-value: 0.259
High vs. Low wald test p-value: 0.736
Event time (k)

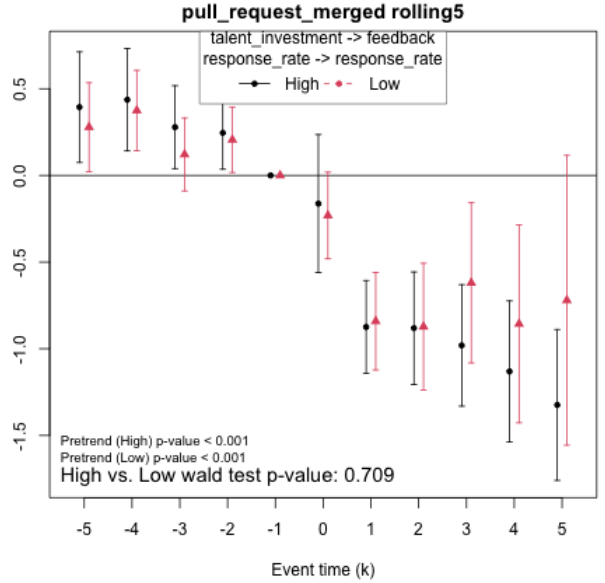

overall_new_release_count rolling5
talent_investment -> feedback
feedback_quantity -> avg_all_disc_exclude_opener_count
High
Low
Pretrend (High) p-value: 0.789
Pretrend (Low) p-value: 0.031
High vs. Low wald test p-value: 0.787
Event time (k)

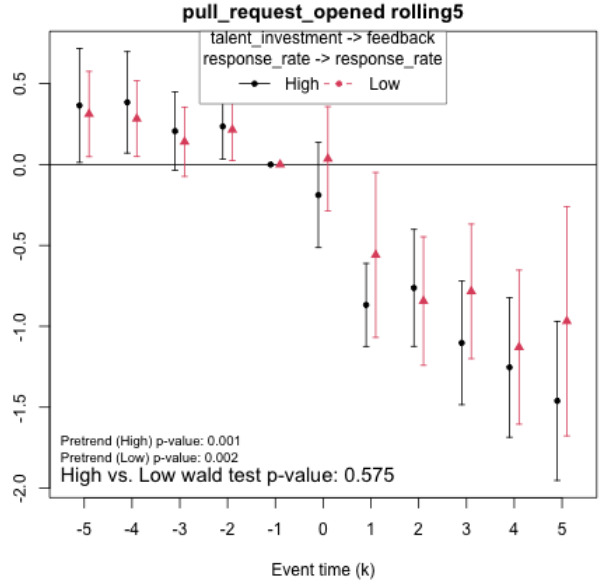

pull_request_merged rolling5
talent_investment -> feedback
feedback_quantity -> avg_all_disc_exclude_opener_count
High
Low
Pretrend (High) p-value: 0.345
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.974
Event time (k)

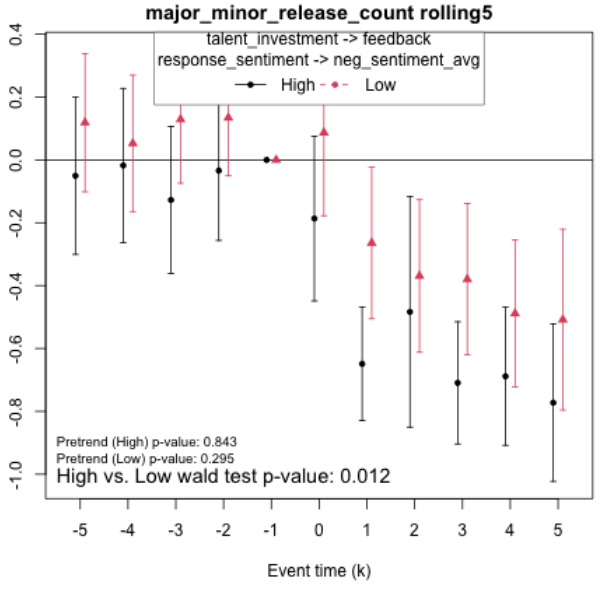

pull_request_opened rolling5
talent_investment -> feedback
feedback_quantity -> avg_all_disc_exclude_opener_count
High
Low
Pretrend (High) p-value: 0.419
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.869
Event time (k)

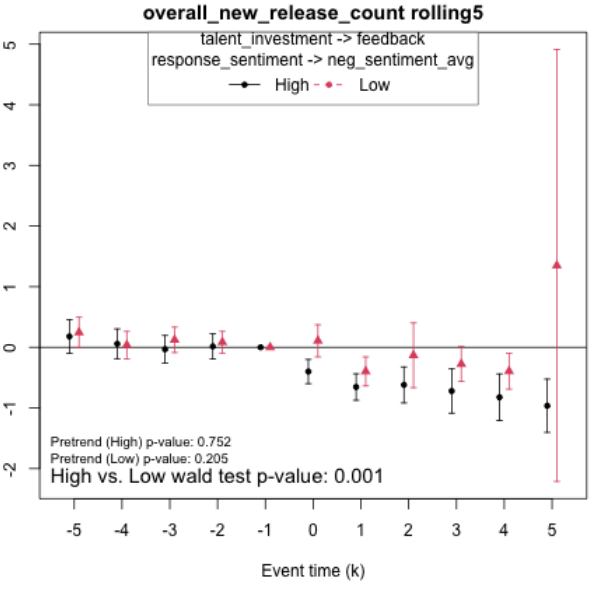

major_minor_release_count rolling5
talent_investment -> feedback
response_rate -> response_rate
High
Low
Pretrend (High) p-value: 0.480
Pretrend (Low) p-value: 0.869
High vs. Low wald test p-value: 0.918
Event time (k)

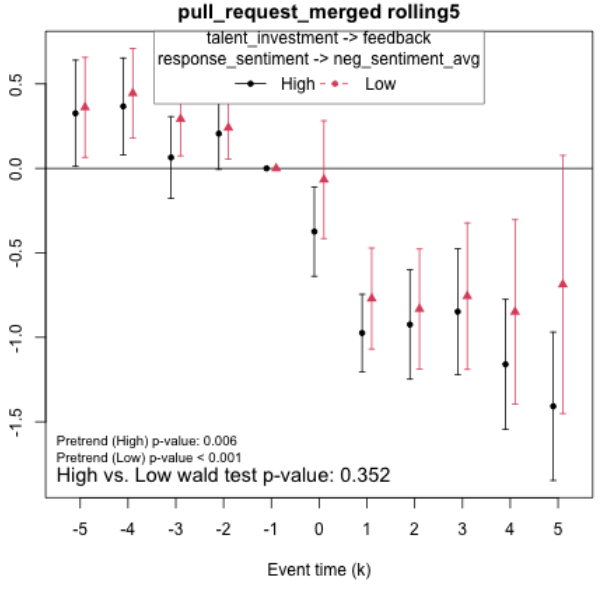

overall_new_release_count rolling5
talent_investment -> feedback
response_rate -> response_rate
High
Low
Pretrend (High) p-value: 0.509
Pretrend (Low) p-value: 0.406
High vs. Low wald test p-value: 0.650
Event time (k)

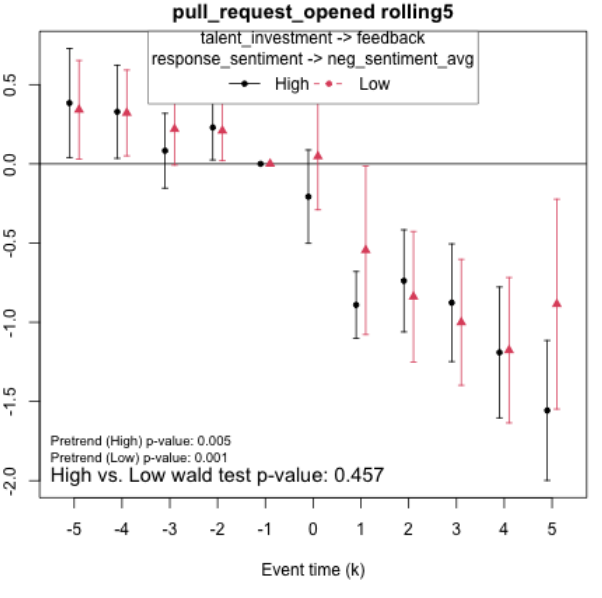

pull_request_merged rolling5
talent_investment -> feedback
response_rate -> response_rate
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.709
Event time (k)

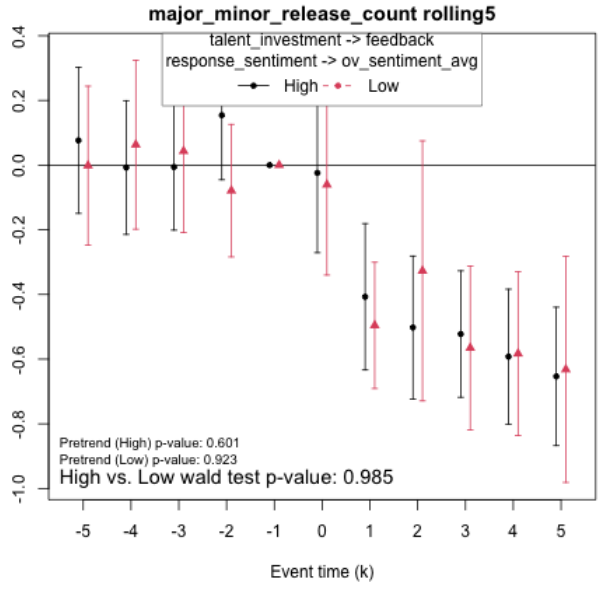

pull_request_opened rolling5
talent_investment -> feedback
response_rate -> response_rate
High
Low
Pretrend (High) p-value: 0.001
Pretrend (Low) p-value: 0.002
High vs. Low wald test p-value: 0.575
Event time (k)

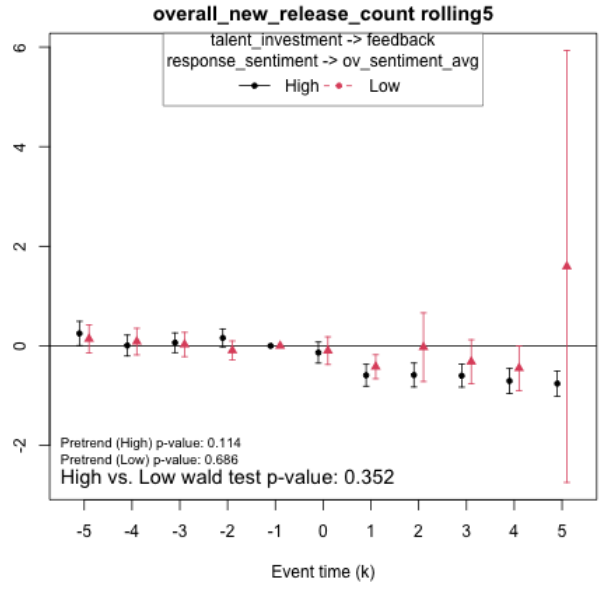

major_minor_release_count rolling5
talent_investment -> feedback
response_sentiment -> neg_sentiment_avg
High
Low
Pretrend (High) p-value: 0.843
Pretrend (Low) p-value: 0.295
High vs. Low wald test p-value: 0.012
Event time (k)

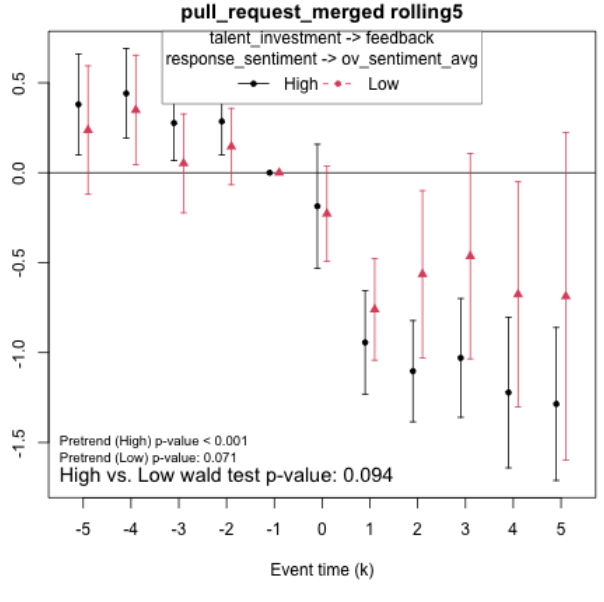

overall_new_release_count rolling5
talent_investment -> feedback
response_sentiment -> neg_sentiment_avg
High
Low
Pretrend (High) p-value: 0.752
Pretrend (Low) p-value: 0.205
High vs. Low wald test p-value: 0.001
Event time (k)

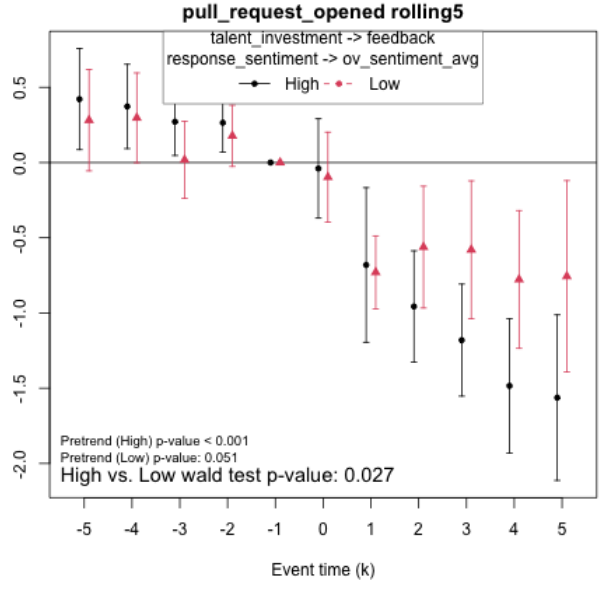

pull_request_merged rolling5
talent_investment -> feedback
response_sentiment -> neg_sentiment_avg
High
Low
Pretrend (High) p-value: 0.006
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.352
Event time (k)

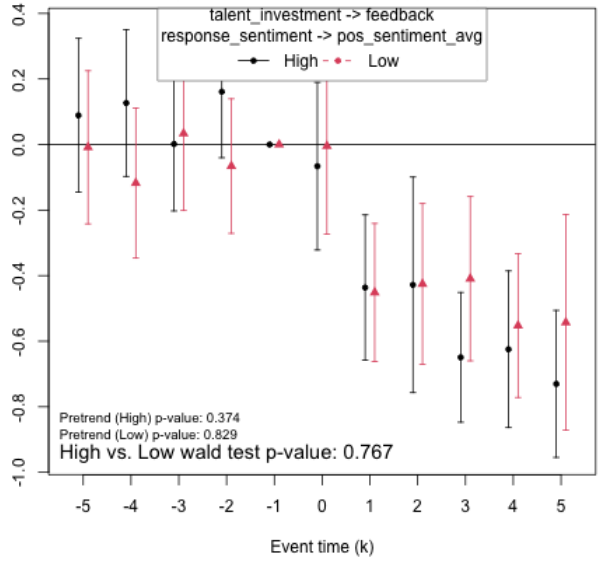

pull_request_opened rolling5
talent_investment -> feedback
response_sentiment -> neg_sentiment_avg
High
Low
Pretrend (High) p-value: 0.005
Pretrend (Low) p-value: 0.001
High vs. Low wald test p-value: 0.457
Event time (k)

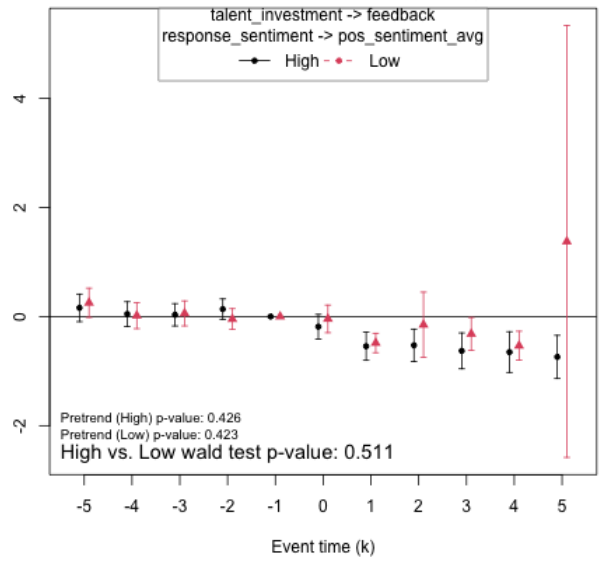

major_minor_release_count rolling5
talent_investment -> feedback
response_sentiment -> ov_sentiment_avg
High
Low
Pretrend (High) p-value: 0.601
Pretrend (Low) p-value: 0.923
High vs. Low wald test p-value: 0.985
Event time (k)

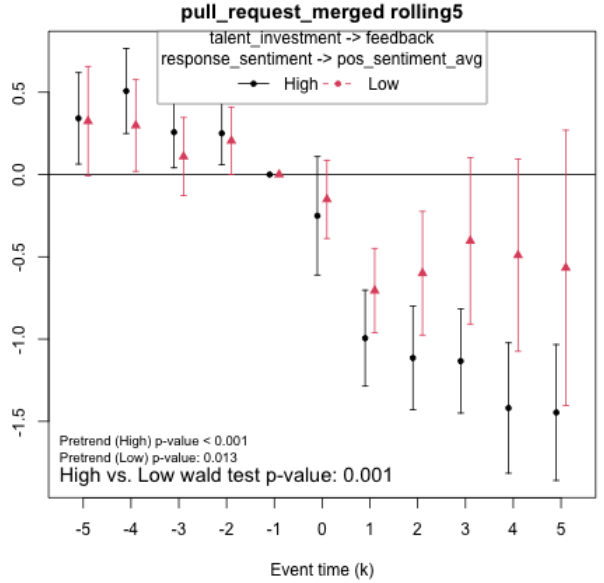

overall_new_release_count rolling5
talent_investment -> feedback
response_sentiment -> ov_sentiment_avg
High
Low
Pretrend (High) p-value: 0.114
Pretrend (Low) p-value: 0.686
High vs. Low wald test p-value: 0.352
Event time (k)

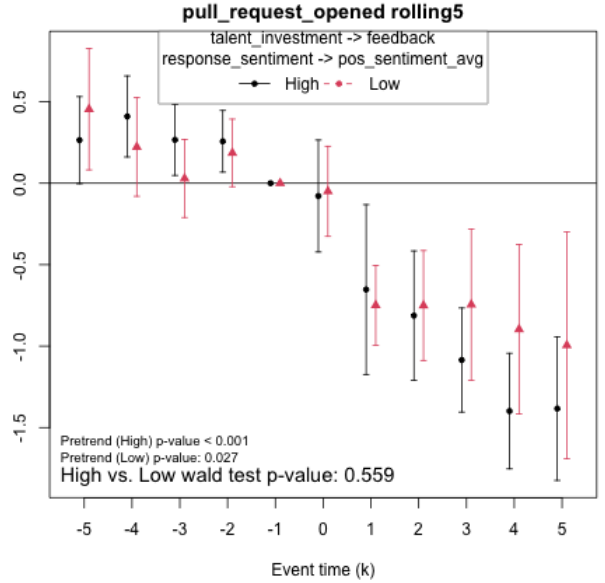

pull_request_merged rolling5
talent_investment -> feedback
response_sentiment -> ov_sentiment_avg
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.071
High vs. Low wald test p-value: 0.094
Event time (k)

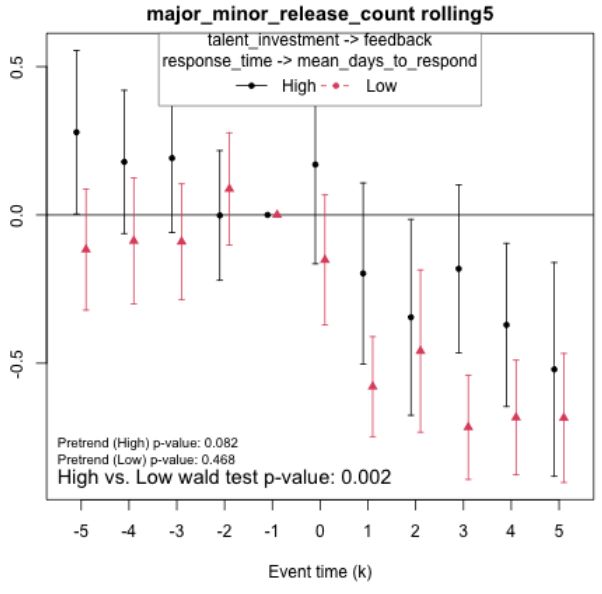

pull_request_opened rolling5
talent_investment -> feedback
response_sentiment -> ov_sentiment_avg
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.051
High vs. Low wald test p-value: 0.027
Event time (k)

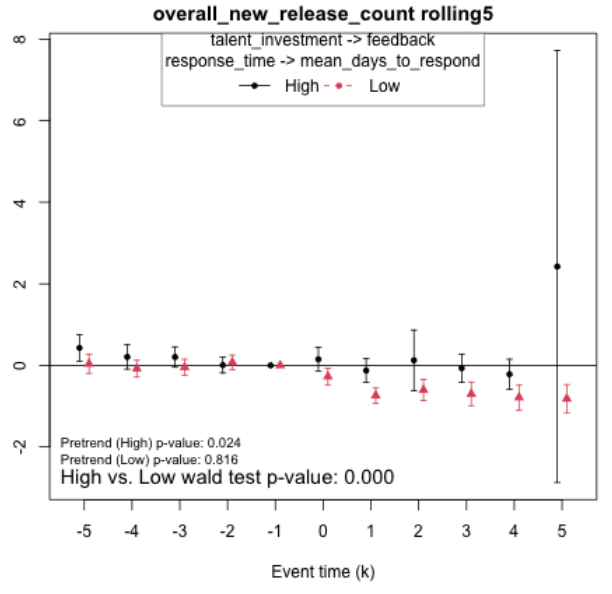

major_minor_release_count rolling5
talent_investment -> feedback
response_sentiment -> pos_sentiment_avg
High
Low
Pretrend (High) p-value: 0.374
Pretrend (Low) p-value: 0.829
High vs. Low wald test p-value: 0.767
Event time (k)

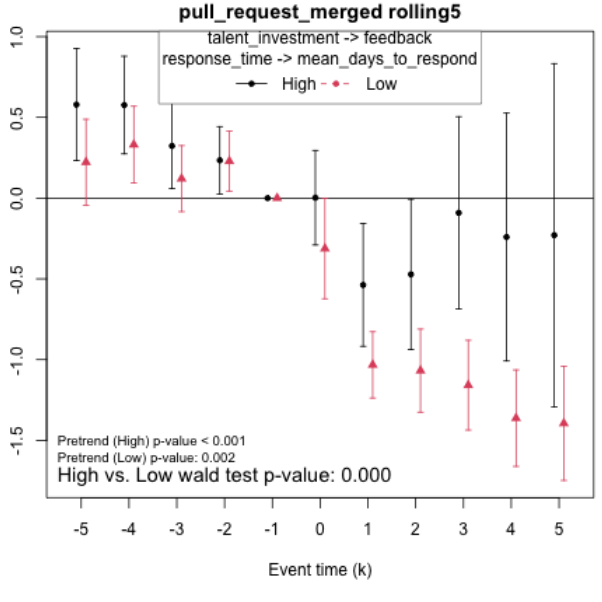

overall_new_release_count rolling5
talent_investment -> feedback
response_sentiment -> pos_sentiment_avg
High
Low
Pretrend (High) p-value: 0.426
Pretrend (Low) p-value: 0.423
High vs. Low wald test p-value: 0.511
Event time (k)

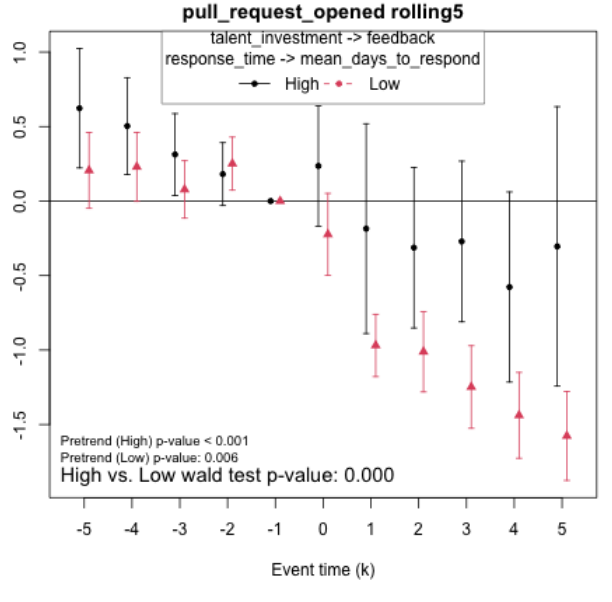

pull_request_merged rolling5
talent_investment -> feedback
response_sentiment -> pos_sentiment_avg
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.013
High vs. Low wald test p-value: 0.001
Event time (k)

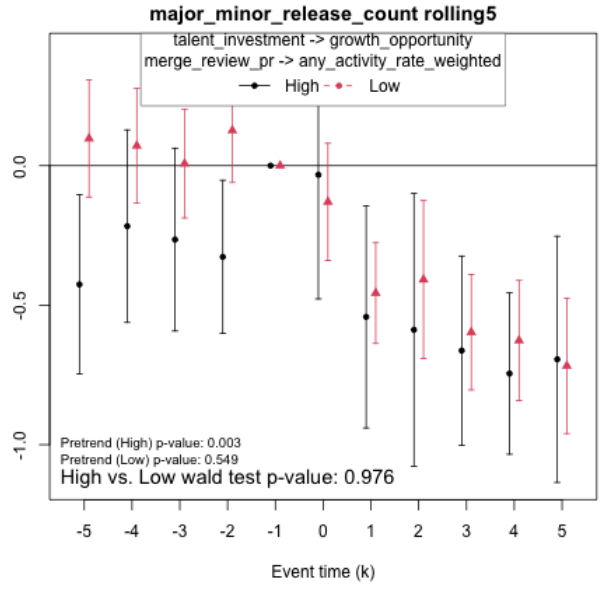

pull_request_opened rolling5
talent_investment -> feedback
response_sentiment -> pos_sentiment_avg
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.027
High vs. Low wald test p-value: 0.559
Event time (k)

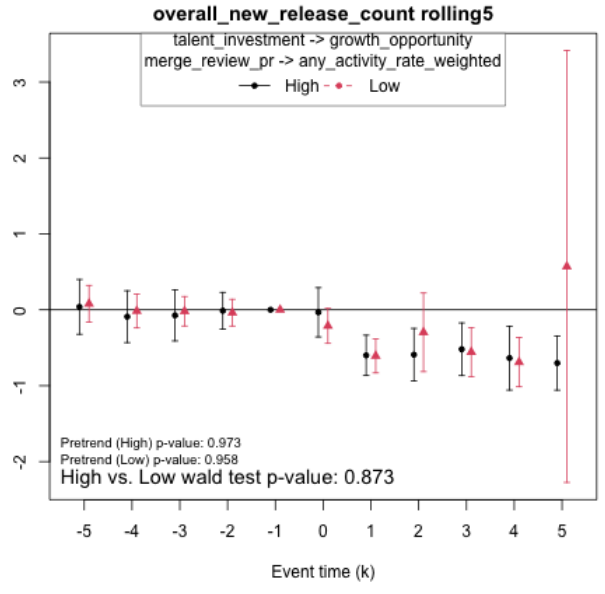

major_minor_release_count rolling5
talent_investment -> feedback
response_time -> mean_days_to_respond
High
Low
Pretrend (High) p-value: 0.082
Pretrend (Low) p-value: 0.468
High vs. Low wald test p-value: 0.002
Event time (k)

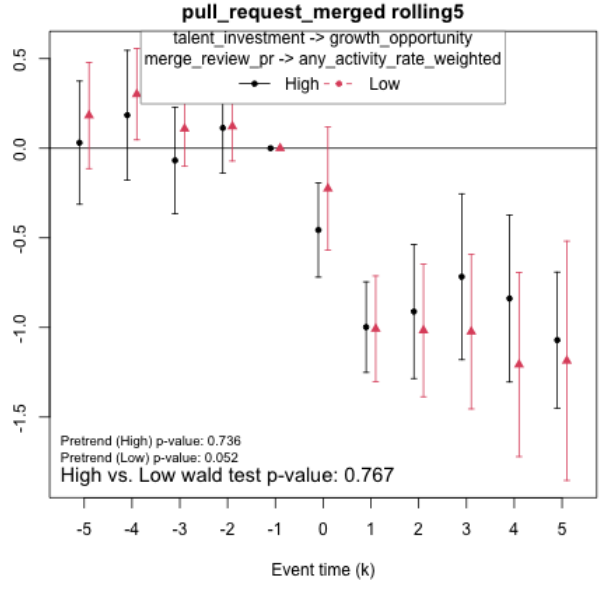

overall_new_release_count rolling5
talent_investment -> feedback
response_time -> mean_days_to_respond
High
Low
Pretrend (High) p-value: 0.024
Pretrend (Low) p-value: 0.816
High vs. Low wald test p-value: 0.000
Event time (k)

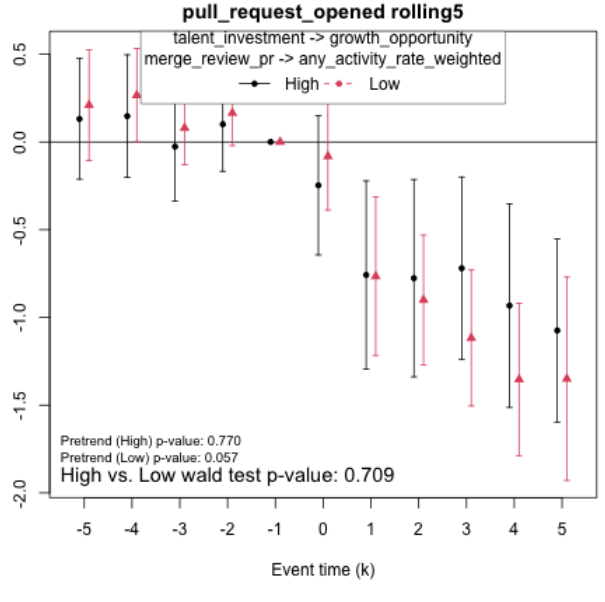

pull_request_merged rolling5
talent_investment -> feedback
response_time -> mean_days_to_respond
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.002
High vs. Low wald test p-value: 0.000
Event time (k)

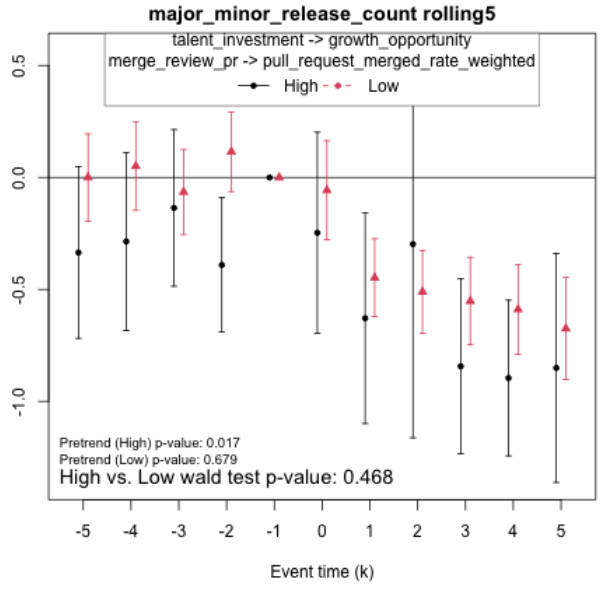

pull_request_opened rolling5
talent_investment -> feedback
response_time -> mean_days_to_respond
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.006
High vs. Low wald test p-value: 0.000
Event time (k)

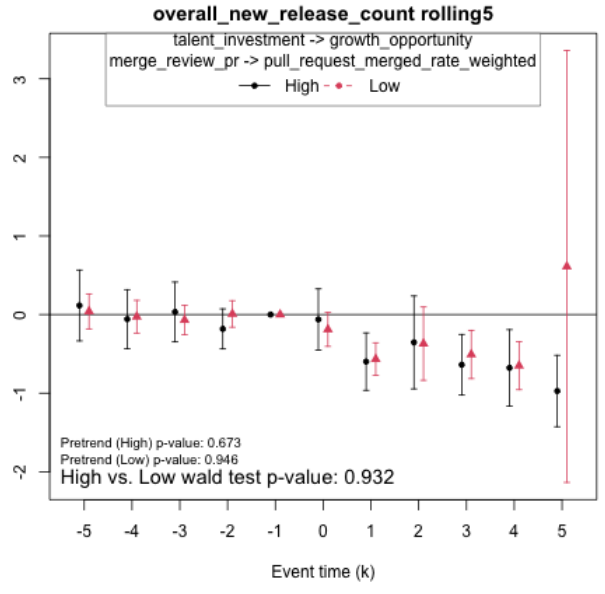

major_minor_release_count rolling5
talent_investment -> growth_opportunity
merge_review_pr -> any_activity_rate_weighted
High
Low
Pretrend (High) p-value: 0.003
Pretrend (Low) p-value: 0.549
High vs. Low wald test p-value: 0.976
Event time (k)

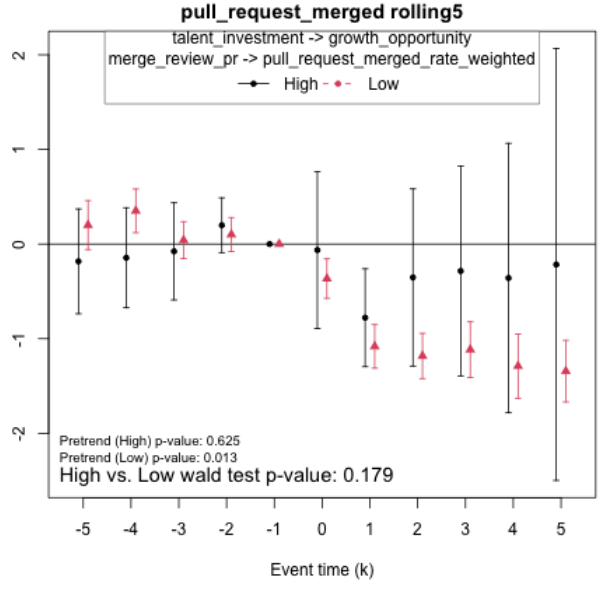

overall_new_release_count rolling5
talent_investment -> growth_opportunity
merge_review_pr -> any_activity_rate_weighted
High
Low
Pretrend (High) p-value: 0.973
Pretrend (Low) p-value: 0.958
High vs. Low wald test p-value: 0.873
Event time (k)

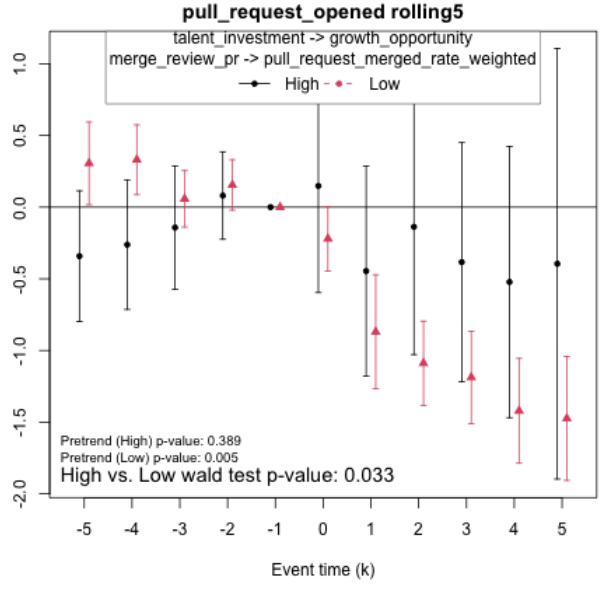

pull_request_merged rolling5
talent_investment -> growth_opportunity
merge_review_pr -> any_activity_rate_weighted
High
Low
Pretrend (High) p-value: 0.736
Pretrend (Low) p-value: 0.052
High vs. Low wald test p-value: 0.767
Event time (k)

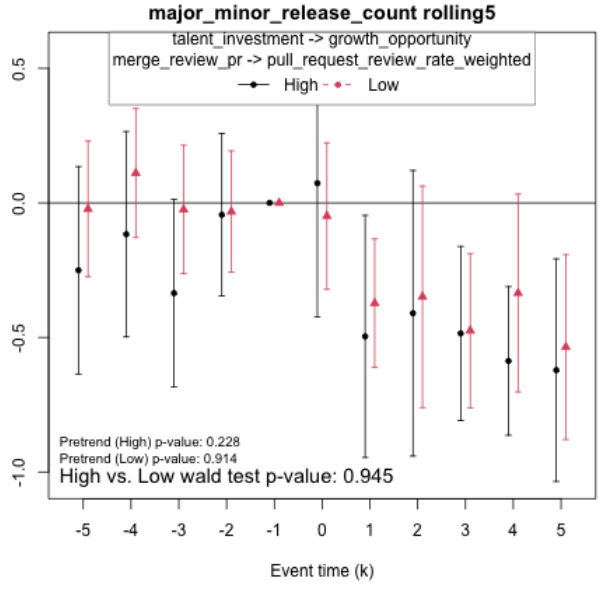

pull_request_opened rolling5
talent_investment -> growth_opportunity
merge_review_pr -> any_activity_rate_weighted
High
Low
Pretrend (High) p-value: 0.770
Pretrend (Low) p-value: 0.057
High vs. Low wald test p-value: 0.709
Event time (k)

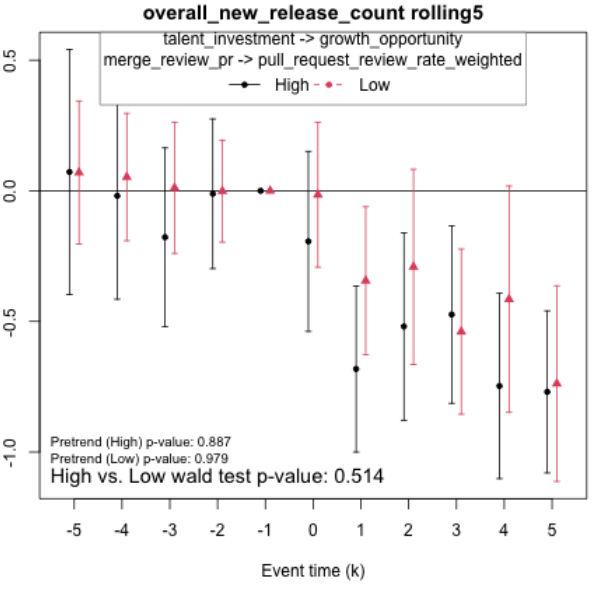

major_minor_release_count rolling5
talent_investment -> growth_opportunity
merge_review_pr -> pull_request_merged_rate_weighted
High
Low
Pretrend (High) p-value: 0.017
Pretrend (Low) p-value: 0.679
High vs. Low wald test p-value: 0.468
Event time (k)

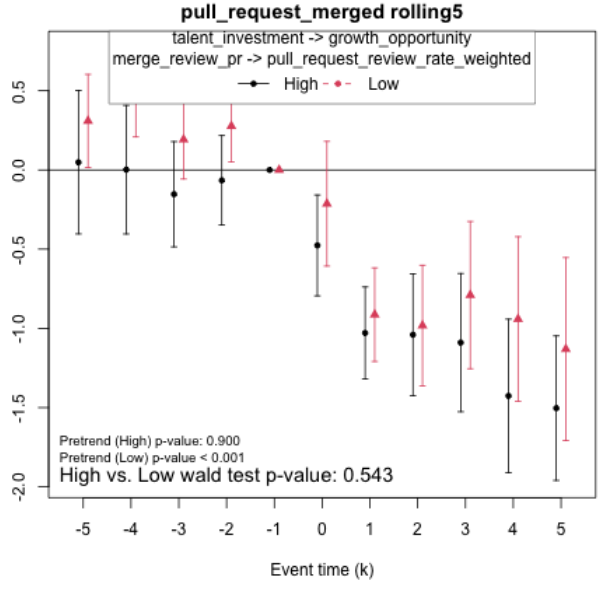

overall_new_release_count rolling5
talent_investment -> growth_opportunity
merge_review_pr -> pull_request_merged_rate_weighted
High
Low
Pretrend (High) p-value: 0.673
Pretrend (Low) p-value: 0.946
High vs. Low wald test p-value: 0.932
Event time (k)

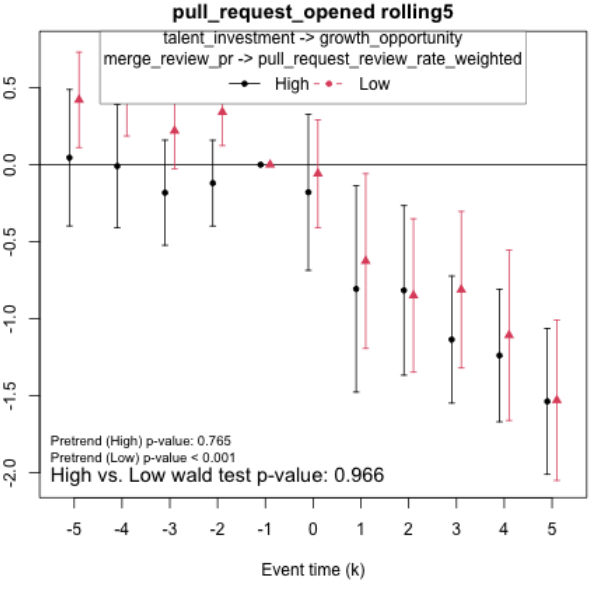

pull_request_merged rolling5
talent_investment -> growth_opportunity
merge_review_pr -> pull_request_merged_rate_weighted
High
Low
Pretrend (High) p-value: 0.625
Pretrend (Low) p-value: 0.013
High vs. Low wald test p-value: 0.179
Event time (k)

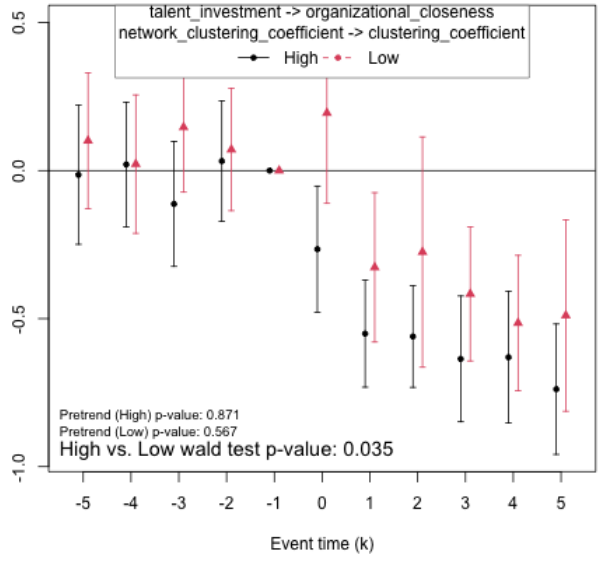

pull_request_opened rolling5
talent_investment -> growth_opportunity
merge_review_pr -> pull_request_merged_rate_weighted
High
Low
Pretrend (High) p-value: 0.389
Pretrend (Low) p-value: 0.005
High vs. Low wald test p-value: 0.033
Event time (k)

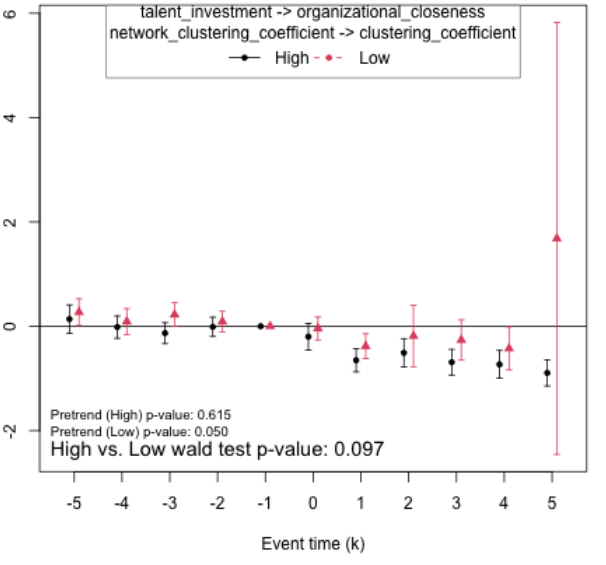

major_minor_release_count rolling5
talent_investment -> growth_opportunity
merge_review_pr -> pull_request_review_rate_weighted
High
Low
Pretrend (High) p-value: 0.228
Pretrend (Low) p-value: 0.914
High vs. Low wald test p-value: 0.945
Event time (k)

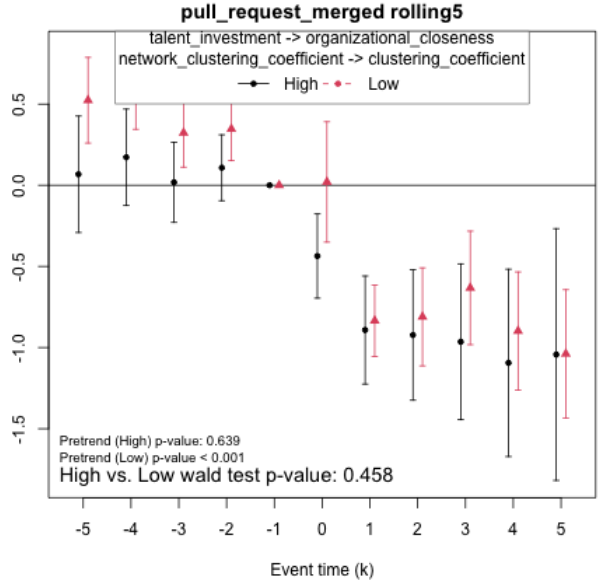

overall_new_release_count rolling5
talent_investment -> growth_opportunity
merge_review_pr -> pull_request_review_rate_weighted
High
Low
Pretrend (High) p-value: 0.887
Pretrend (Low) p-value: 0.979
High vs. Low wald test p-value: 0.514
Event time (k)

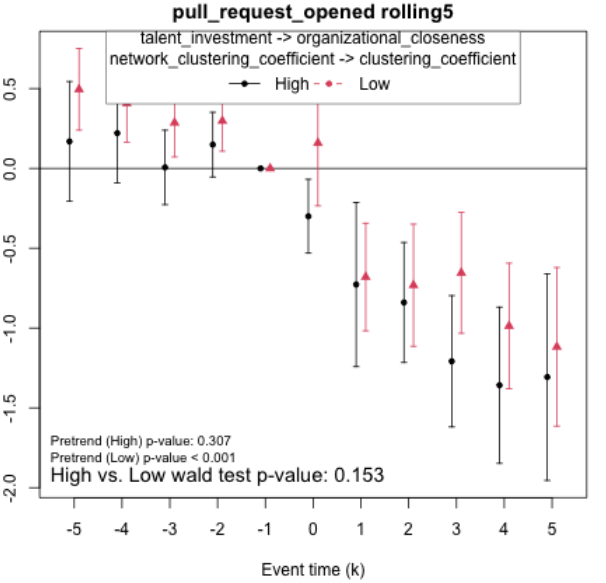

pull_request_merged rolling5
talent_investment -> growth_opportunity
merge_review_pr -> pull_request_review_rate_weighted
High
Low
Pretrend (High) p-value: 0.900
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.543
Event time (k)


pull_request_opened rolling5
talent_investment -> growth_opportunity
merge_review_pr -> pull_request_review_rate_weighted
High
Low
Pretrend (High) p-value: 0.765
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.966
Event time (k)


major_minor_release_count rolling5
talent_investment -> organizational_closeness
network_clustering_coefficient -> clustering_coefficient
High
Low
Pretrend (High) p-value: 0.871
Pretrend (Low) p-value: 0.567
High vs. Low wald test p-value: 0.035
Event time (k)


overall_new_release_count rolling5
talent_investment -> organizational_closeness
network_clustering_coefficient -> clustering_coefficient
High
Low
Pretrend (High) p-value: 0.615
Pretrend (Low) p-value: 0.050
High vs. Low wald test p-value: 0.097
Event time (k)


pull_request_merged rolling5
talent_investment -> organizational_closeness
network_clustering_coefficient -> clustering_coefficient
High
Low
Pretrend (High) p-value: 0.639
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.458
Event time (k)


pull_request_opened rolling5
talent_investment -> organizational_closeness
network_clustering_coefficient -> clustering_coefficient
High
Low
Pretrend (High) p-value: 0.307
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.153
Event time (k)