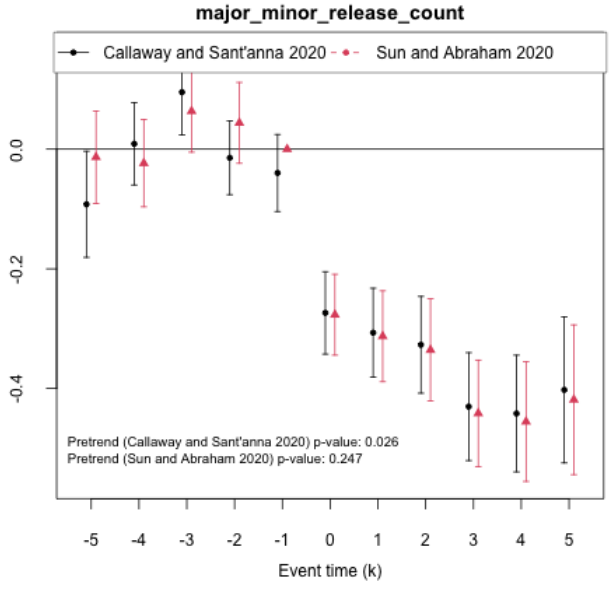
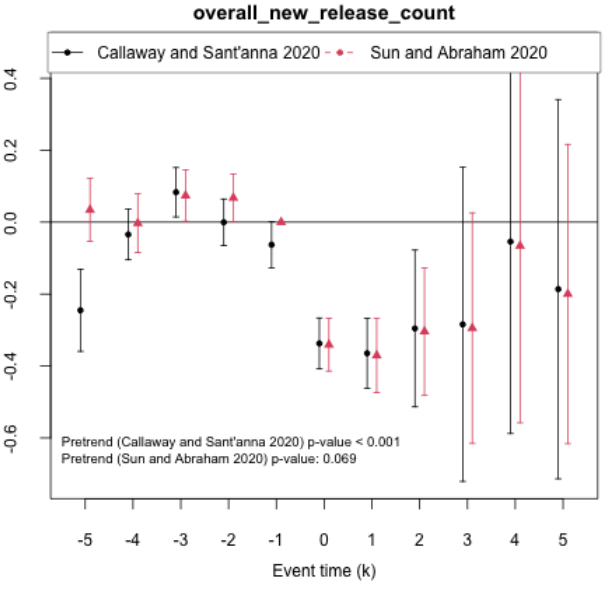
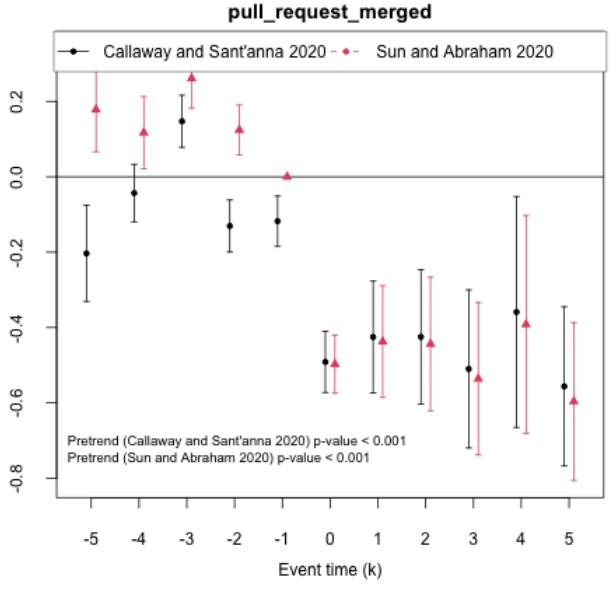
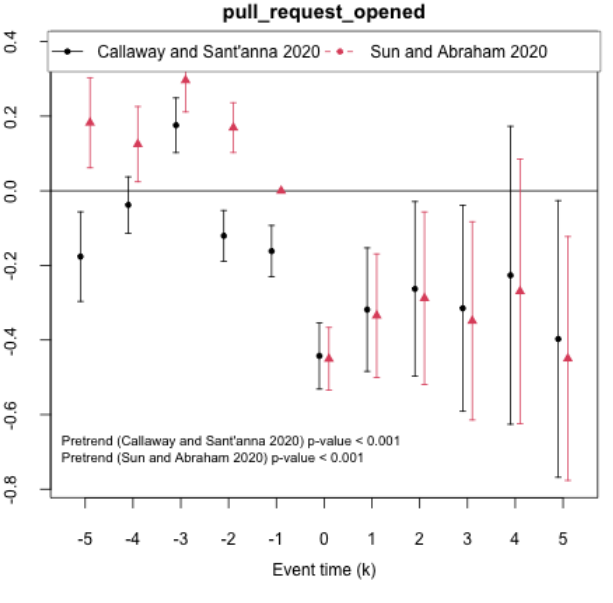
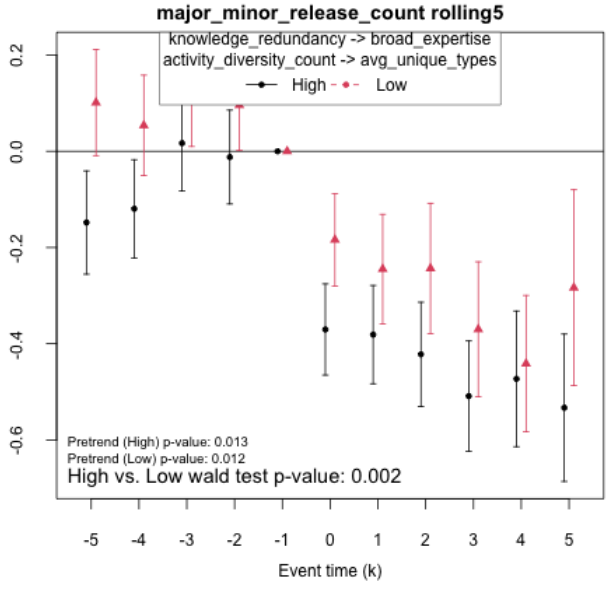
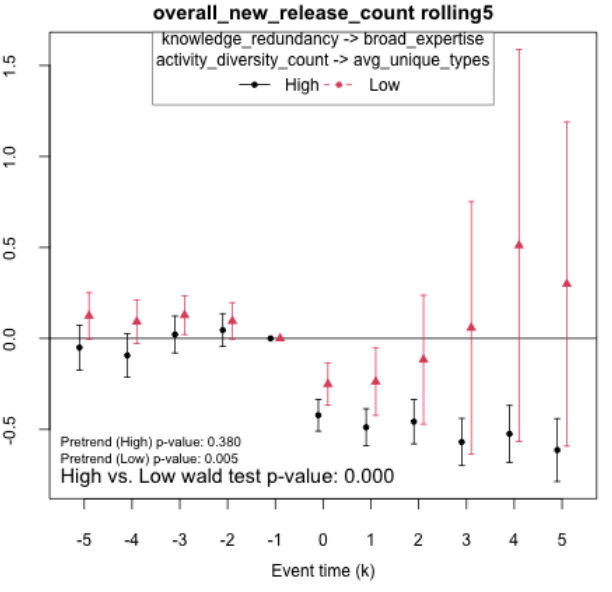

major_minor_release_count
Callaway and Sant'anna 2020
Sun and Abraham 2020
Pretrend (Callaway and Sant'anna 2020) p-value: 0.026
Pretrend (Sun and Abraham 2020) p-value: 0.247
Event time (k)

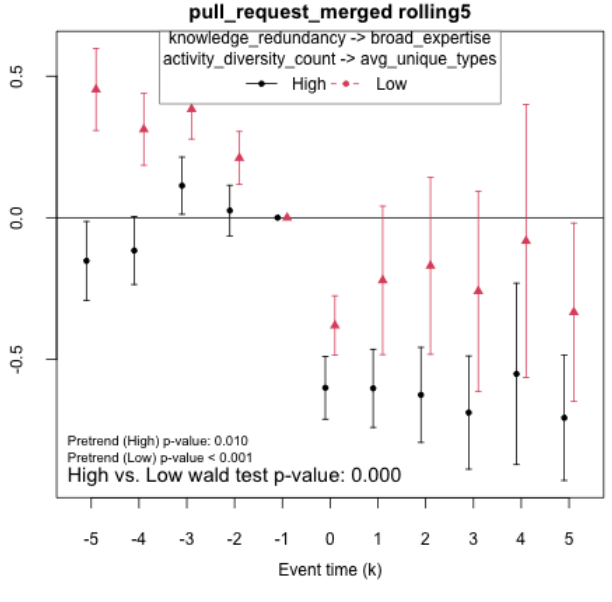

overall_new_release_count
Callaway and Sant'anna 2020
Sun and Abraham 2020
Pretrend (Callaway and Sant'anna 2020) p-value < 0.001
Pretrend (Sun and Abraham 2020) p-value: 0.069
Event time (k)

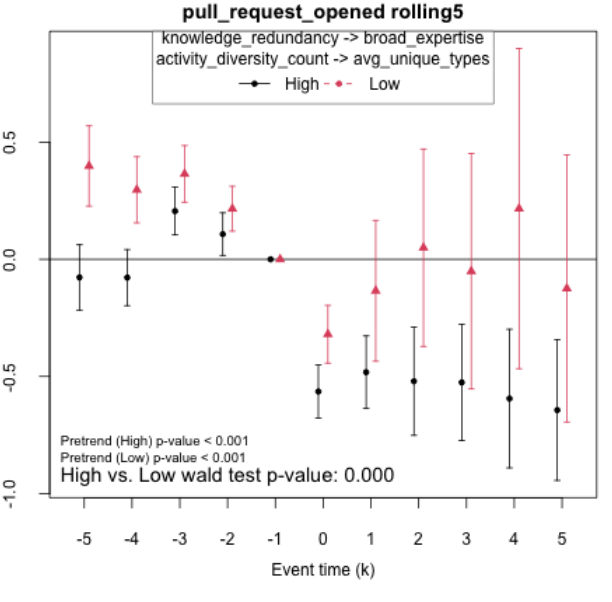

pull_request_merged
Callaway and Sant'anna 2020
Sun and Abraham 2020
Pretrend (Callaway and Sant'anna 2020) p-value < 0.001
Pretrend (Sun and Abraham 2020) p-value < 0.001
Event time (k)

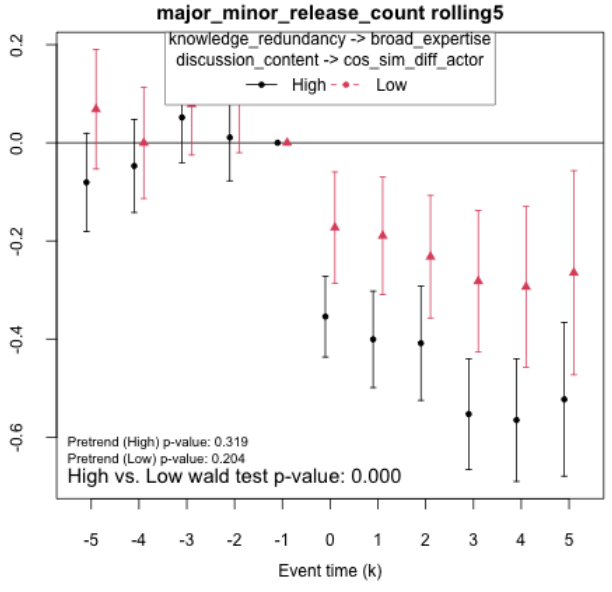

pull_request_opened
Callaway and Sant'anna 2020
Sun and Abraham 2020
Pretrend (Callaway and Sant'anna 2020) p-value < 0.001
Pretrend (Sun and Abraham 2020) p-value < 0.001
Event time (k)

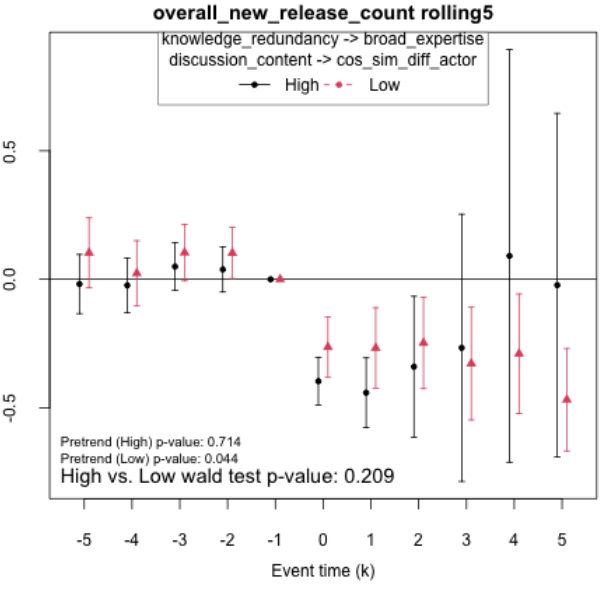

major_minor_release_count rolling5
knowledge_redundancy -> broad_expertise
activity_diversity_count -> avg_unique_types
High
Low
Pretrend (High) p-value: 0.013
Pretrend (Low) p-value: 0.012
High vs. Low wald test p-value: 0.002
Event time (k)

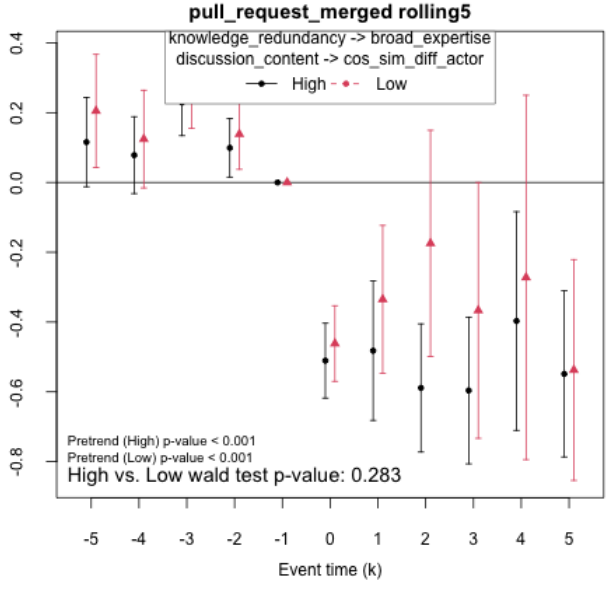

overall_new_release_count rolling5
knowledge_redundancy -> broad_expertise
activity_diversity_count -> avg_unique_types
High
Low
Pretrend (High) p-value: 0.380
Pretrend (Low) p-value: 0.005
High vs. Low wald test p-value: 0.000
Event time (k)

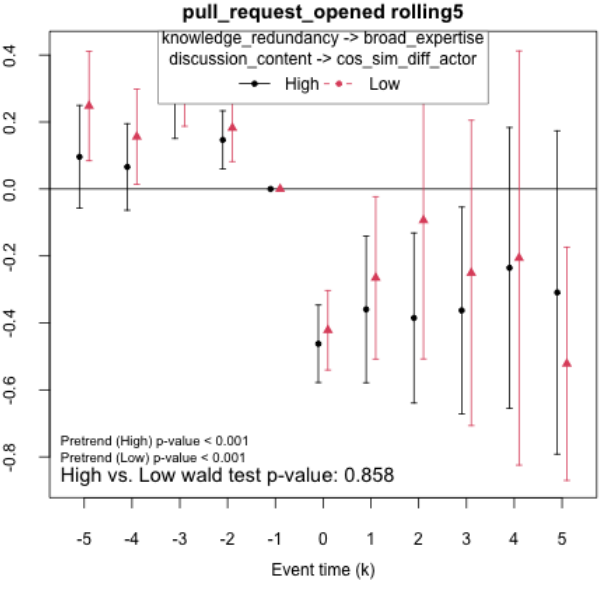

pull_request_merged rolling5
knowledge_redundancy -> broad_expertise
activity_diversity_count -> avg_unique_types
High
Low
Pretrend (High) p-value: 0.010
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.000
Event time (k)

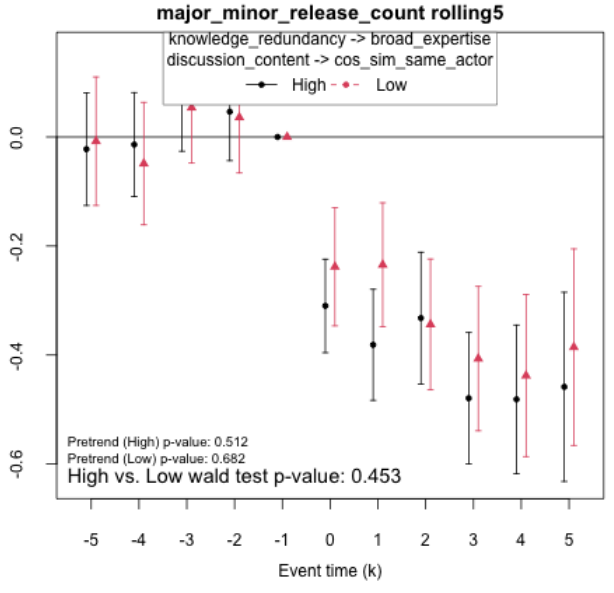

pull_request_opened rolling5
knowledge_redundancy -> broad_expertise
activity_diversity_count -> avg_unique_types
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.000
Event time (k)

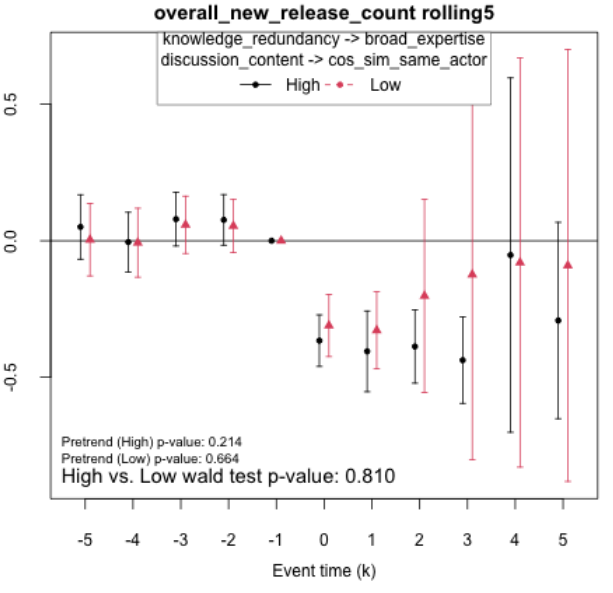

major_minor_release_count rolling5
knowledge_redundancy -> broad_expertise
discussion_content -> cos_sim_diff_actor
High
Low
Pretrend (High) p-value: 0.319
Pretrend (Low) p-value: 0.204
High vs. Low wald test p-value: 0.000
Event time (k)

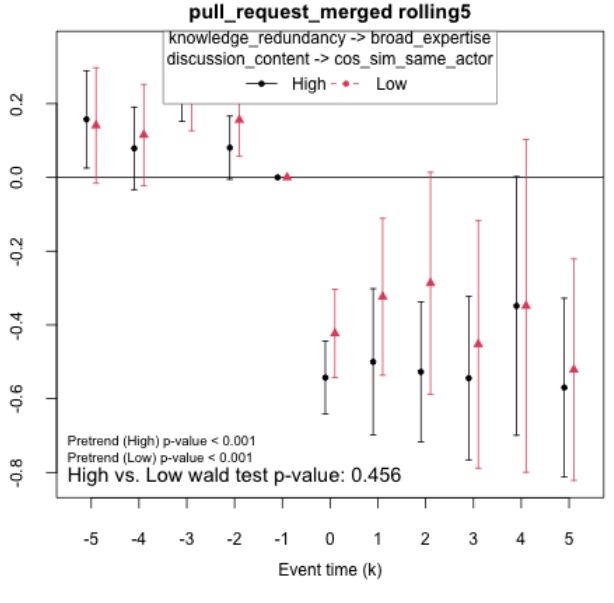

overall_new_release_count rolling5
knowledge_redundancy -> broad_expertise
discussion_content -> cos_sim_diff_actor
High
Low
Pretrend (High) p-value: 0.714
Pretrend (Low) p-value: 0.044
High vs. Low wald test p-value: 0.209
Event time (k)

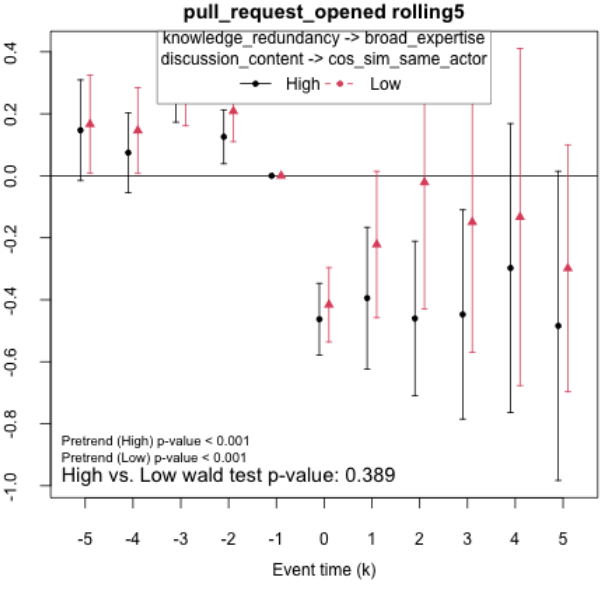

pull_request_merged rolling5
knowledge_redundancy -> broad_expertise
discussion_content -> cos_sim_diff_actor
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.283
Event time (k)

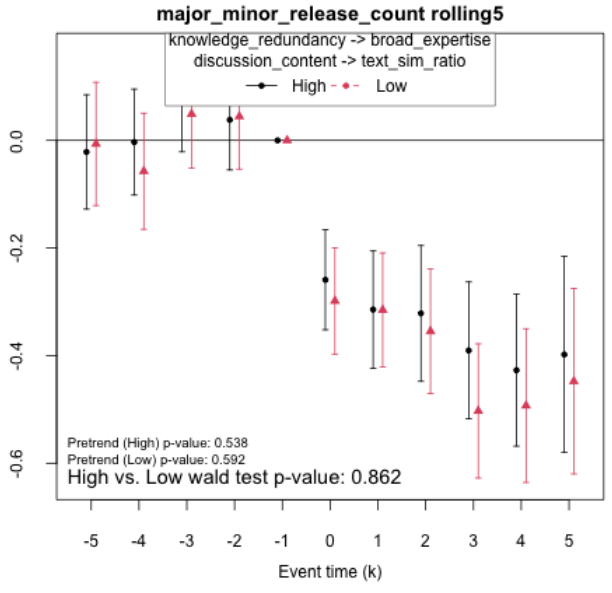

pull_request_opened rolling5
knowledge_redundancy -> broad_expertise
discussion_content -> cos_sim_diff_actor
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.858
Event time (k)

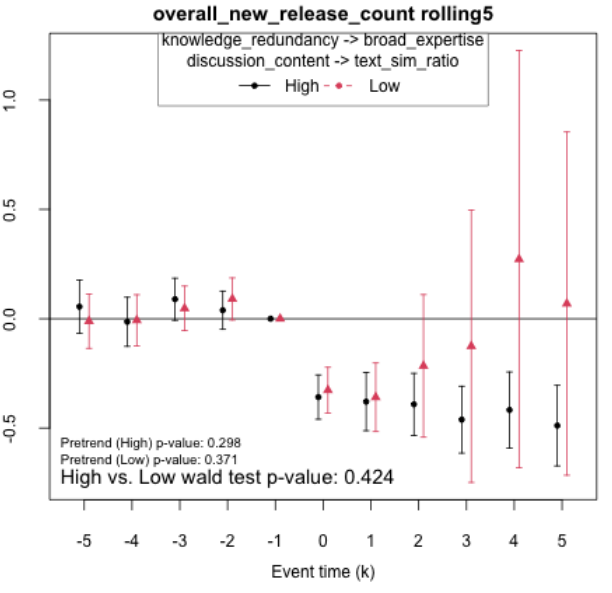

major_minor_release_count rolling5
knowledge_redundancy -> broad_expertise
discussion_content -> cos_sim_same_actor
High
Low
Pretrend (High) p-value: 0.512
Pretrend (Low) p-value: 0.682
High vs. Low wald test p-value: 0.453
Event time (k)

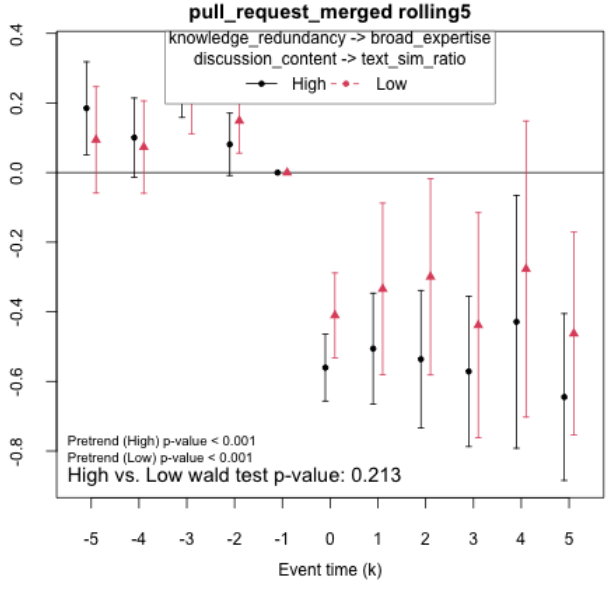

overall_new_release_count rolling5
knowledge_redundancy -> broad_expertise
discussion_content -> cos_sim_same_actor
High
Low
Pretrend (High) p-value: 0.214
Pretrend (Low) p-value: 0.664
High vs. Low wald test p-value: 0.810
Event time (k)

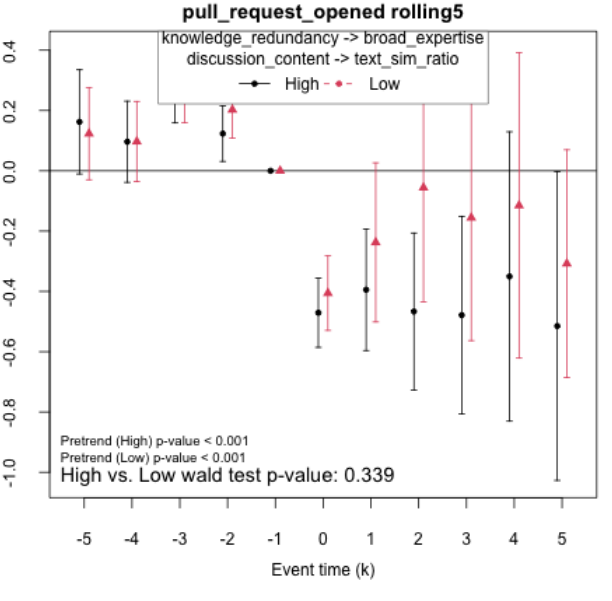

pull_request_merged rolling5
knowledge_redundancy -> broad_expertise
discussion_content -> cos_sim_same_actor
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.456
Event time (k)

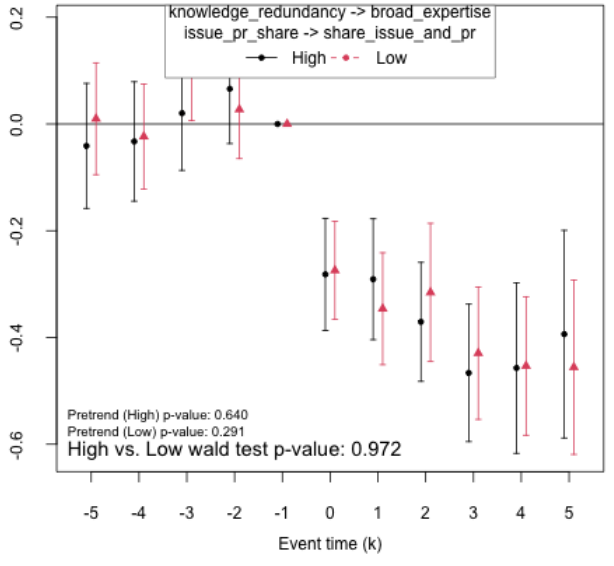

pull_request_opened rolling5
knowledge_redundancy -> broad_expertise
discussion_content -> cos_sim_same_actor
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.389
Event time (k)

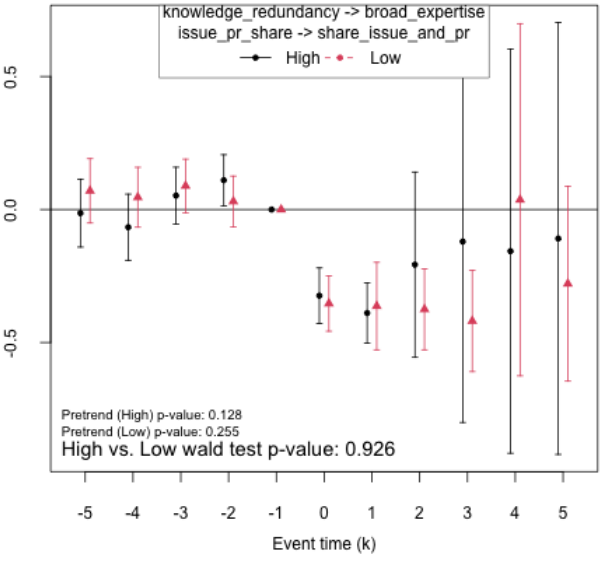

major_minor_release_count rolling5
knowledge_redundancy -> broad_expertise
discussion_content -> text_sim_ratio
High
Low
Pretrend (High) p-value: 0.538
Pretrend (Low) p-value: 0.592
High vs. Low wald test p-value: 0.862
Event time (k)

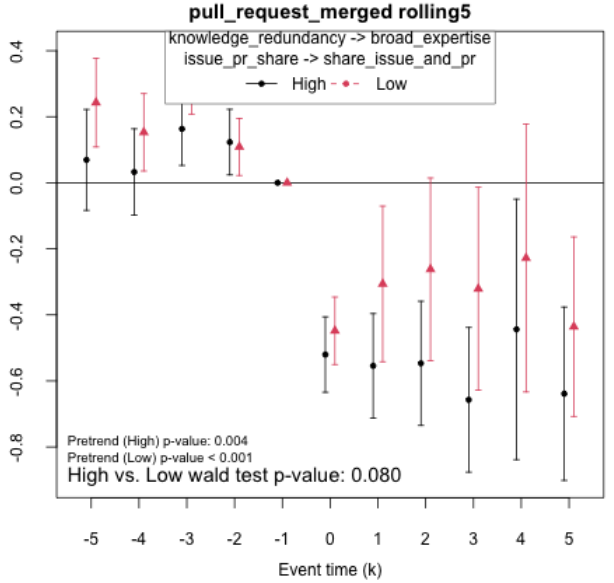

overall_new_release_count rolling5
knowledge_redundancy -> broad_expertise
discussion_content -> text_sim_ratio
High
Low
Pretrend (High) p-value: 0.298
Pretrend (Low) p-value: 0.371
High vs. Low wald test p-value: 0.424
Event time (k)

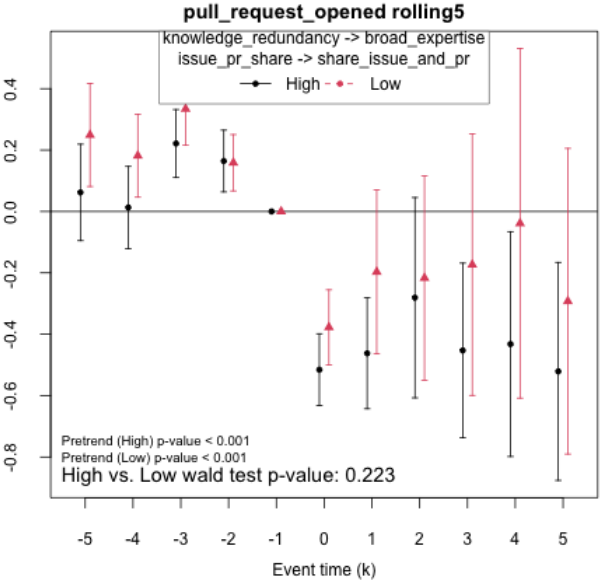

pull_request_merged rolling5
knowledge_redundancy -> broad_expertise
discussion_content -> text_sim_ratio
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.213
Event time (k)

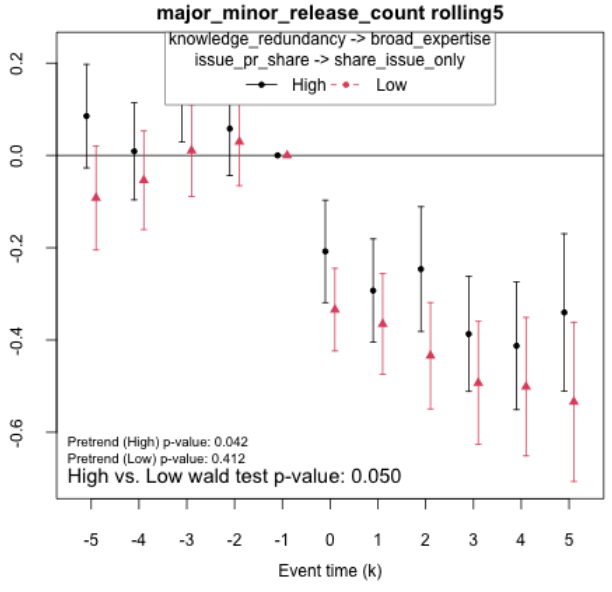

pull_request_opened rolling5
knowledge_redundancy -> broad_expertise
discussion_content -> text_sim_ratio
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.339
Event time (k)

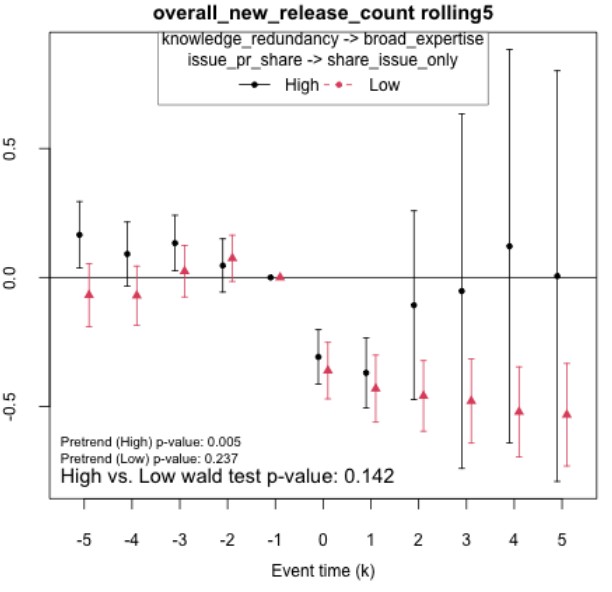

major_minor_release_count rolling5
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_issue_and_pr
High
Low
Pretrend (High) p-value: 0.640
Pretrend (Low) p-value: 0.291
High vs. Low wald test p-value: 0.972
Event time (k)

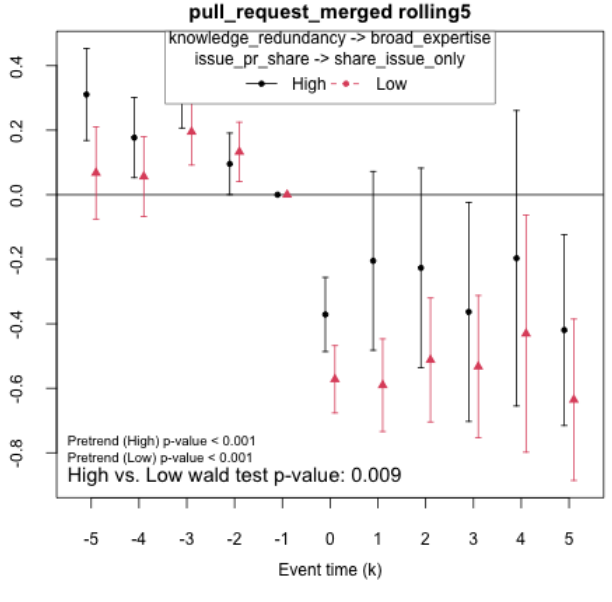

overall_new_release_count rolling5
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_issue_and_pr
High
Low
Pretrend (High) p-value: 0.128
Pretrend (Low) p-value: 0.255
High vs. Low wald test p-value: 0.926
Event time (k)

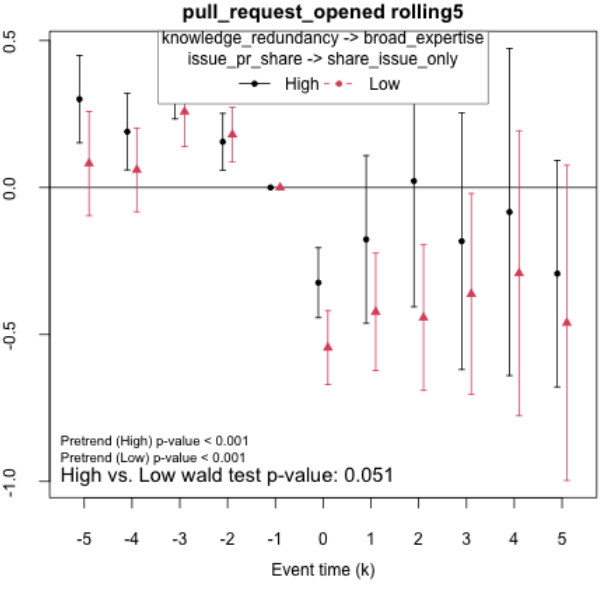

pull_request_merged rolling5
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_issue_and_pr
High
Low
Pretrend (High) p-value: 0.004
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.080
Event time (k)

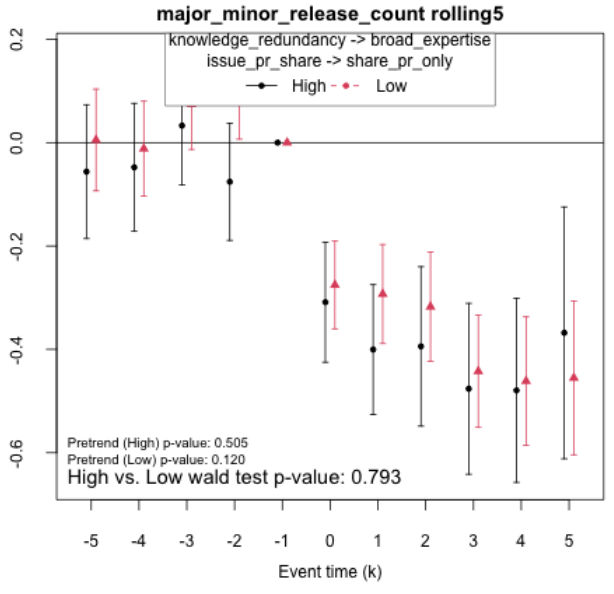

pull_request_opened rolling5
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_issue_and_pr
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.223
Event time (k)

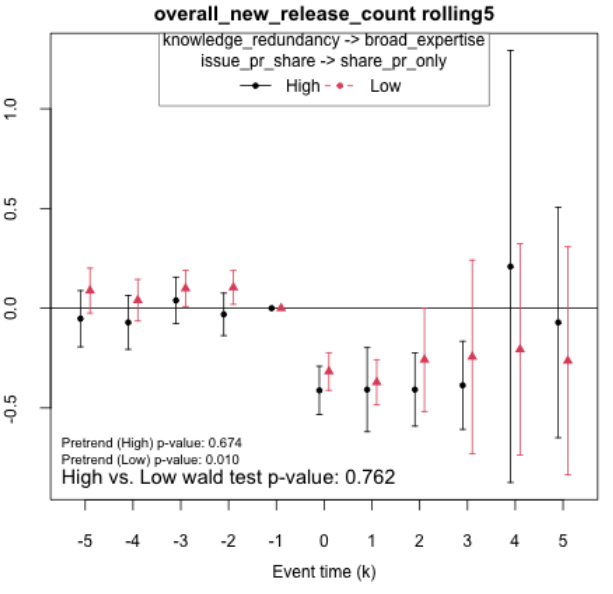

major_minor_release_count rolling5
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_issue_only
High
Low
Pretrend (High) p-value: 0.042
Pretrend (Low) p-value: 0.412
High vs. Low wald test p-value: 0.050
Event time (k)

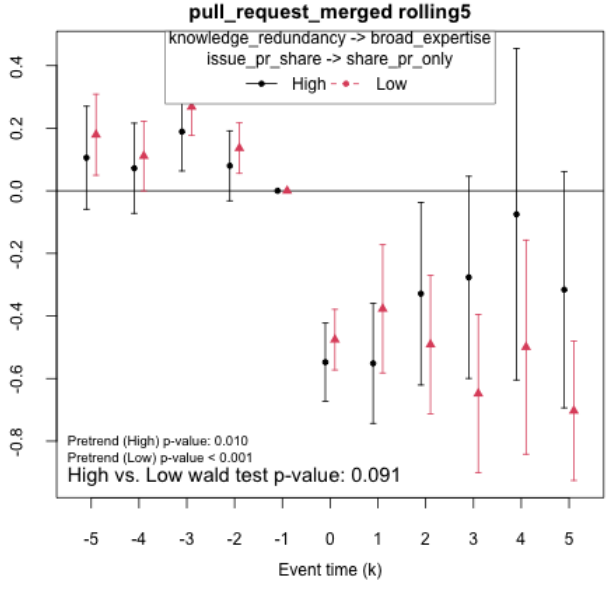

overall_new_release_count rolling5
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_issue_only
High
Low
Pretrend (High) p-value: 0.005
Pretrend (Low) p-value: 0.237
High vs. Low wald test p-value: 0.142
Event time (k)

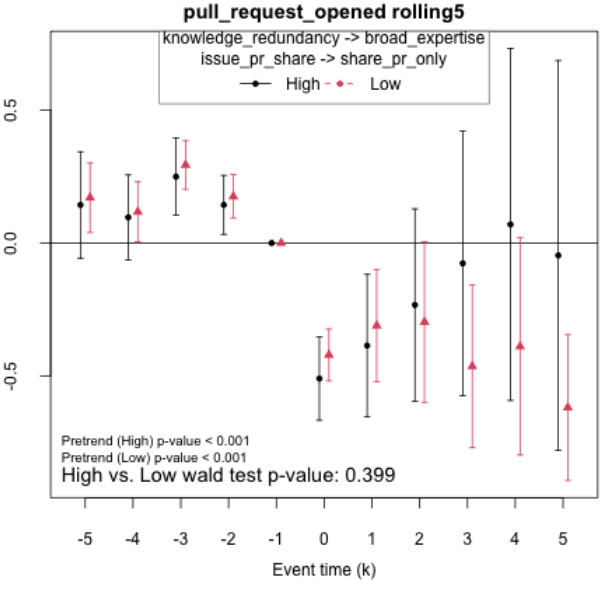

pull_request_merged rolling5
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_issue_only
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.009
Event time (k)

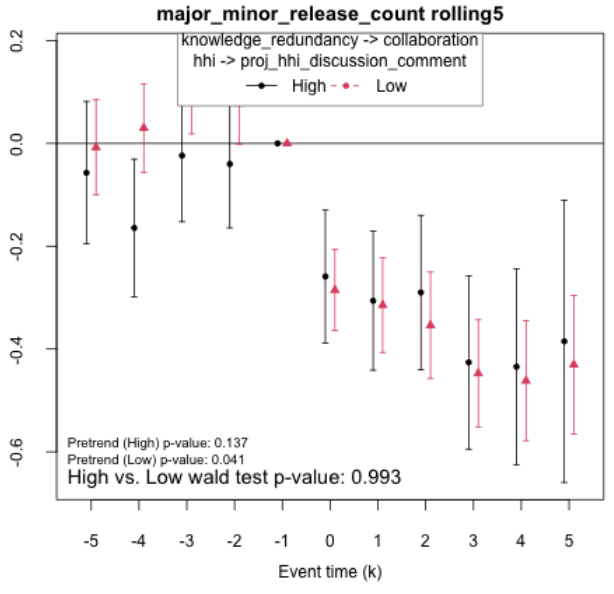

pull_request_opened rolling5
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_issue_only
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.051
Event time (k)

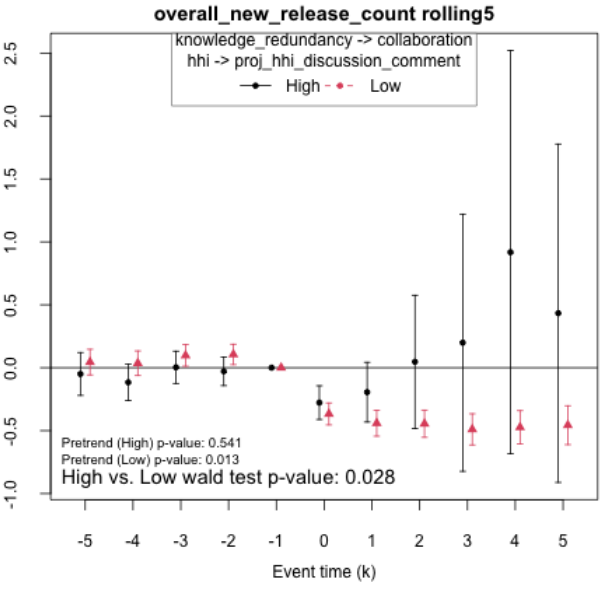

major_minor_release_count rolling5
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_pr_only
High
Low
Pretrend (High) p-value: 0.505
Pretrend (Low) p-value: 0.120
High vs. Low wald test p-value: 0.793
Event time (k)

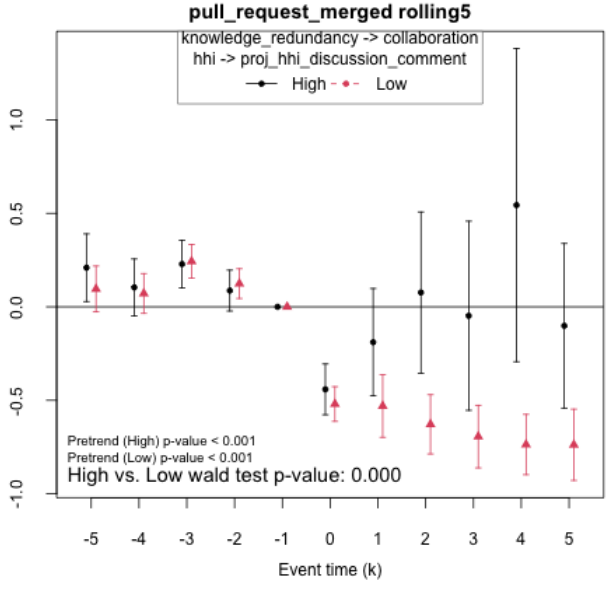

overall_new_release_count rolling5
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_pr_only
High
Low
Pretrend (High) p-value: 0.674
Pretrend (Low) p-value: 0.010
High vs. Low wald test p-value: 0.762
Event time (k)

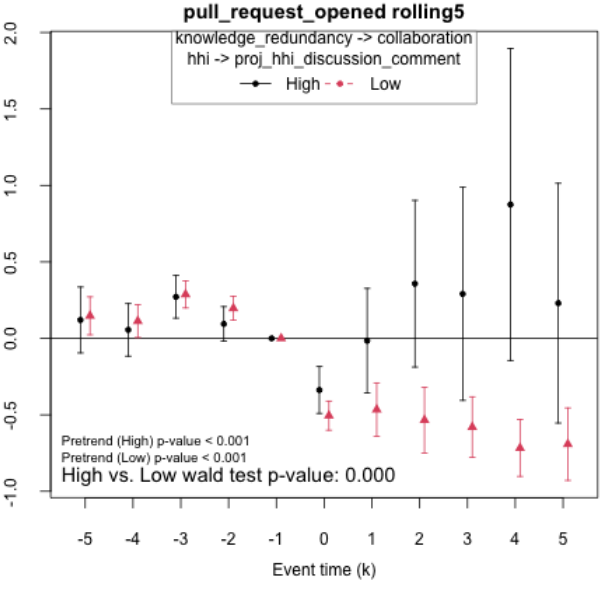

pull_request_merged rolling5
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_pr_only
High
Low
Pretrend (High) p-value: 0.010
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.091
Event time (k)

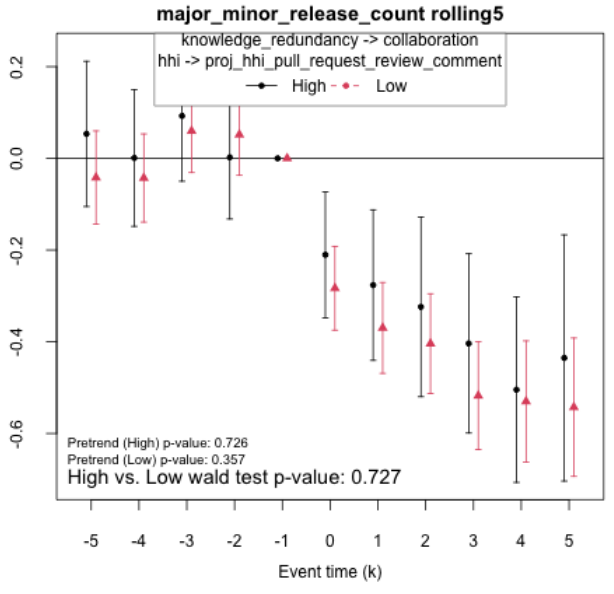

pull_request_opened rolling5
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_pr_only
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.399
Event time (k)

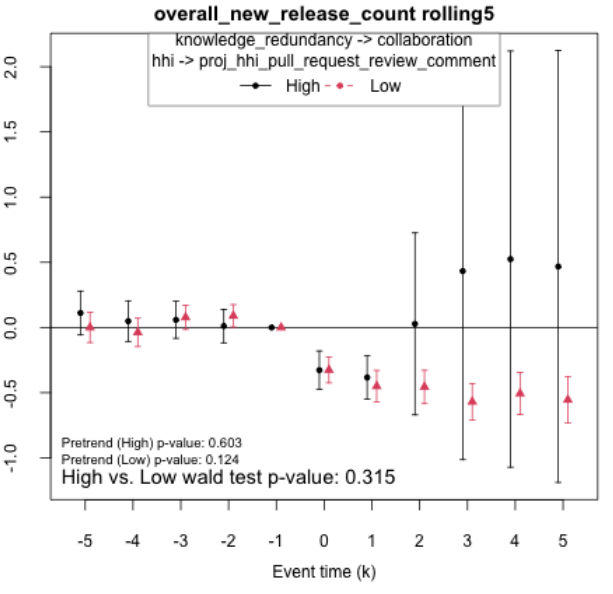

major_minor_release_count rolling5
knowledge_redundancy -> collaboration
hhi -> proj_hhi_discussion_comment
High
Low
Pretrend (High) p-value: 0.137
Pretrend (Low) p-value: 0.041
High vs. Low wald test p-value: 0.993
Event time (k)

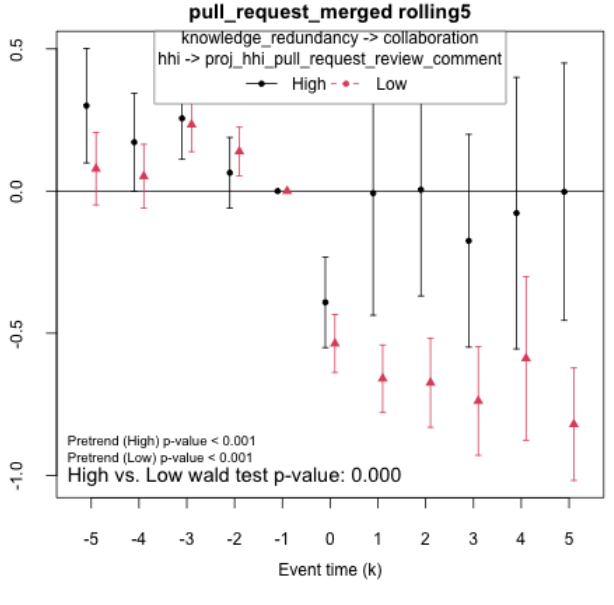

overall_new_release_count rolling5
knowledge_redundancy -> collaboration
hhi -> proj_hhi_discussion_comment
High
Low
Pretrend (High) p-value: 0.541
Pretrend (Low) p-value: 0.013
High vs. Low wald test p-value: 0.028
Event time (k)

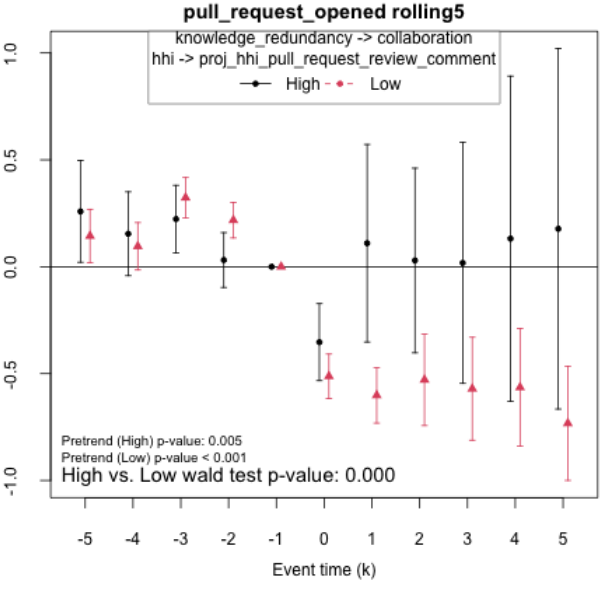

pull_request_merged rolling5
knowledge_redundancy -> collaboration
hhi -> proj_hhi_discussion_comment
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.000
Event time (k)

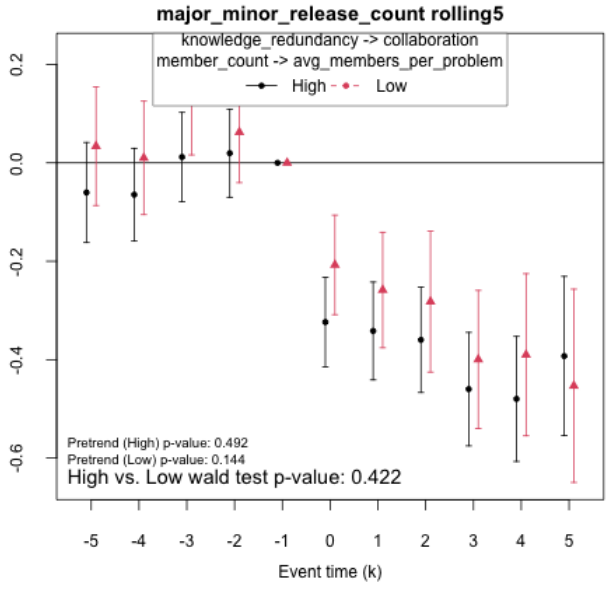

pull_request_opened rolling5
knowledge_redundancy -> collaboration
hhi -> proj_hhi_discussion_comment
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.000
Event time (k)

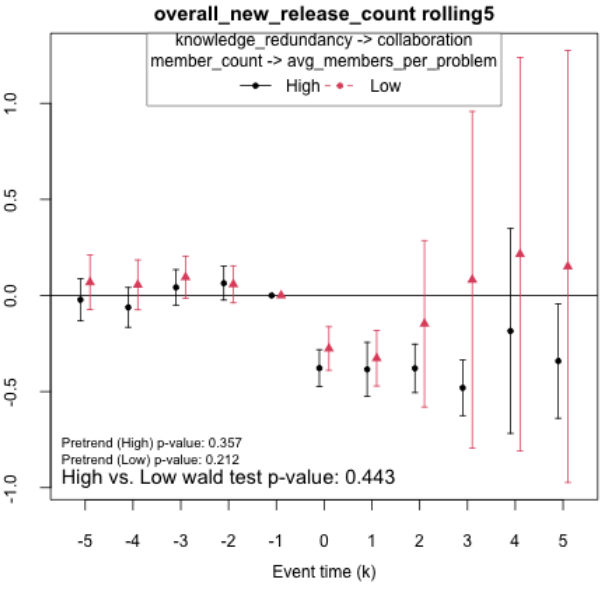

major_minor_release_count rolling5
knowledge_redundancy -> collaboration
hhi -> proj_hhi_pull_request_review_comment
High
Low
Pretrend (High) p-value: 0.726
Pretrend (Low) p-value: 0.357
High vs. Low wald test p-value: 0.727
Event time (k)

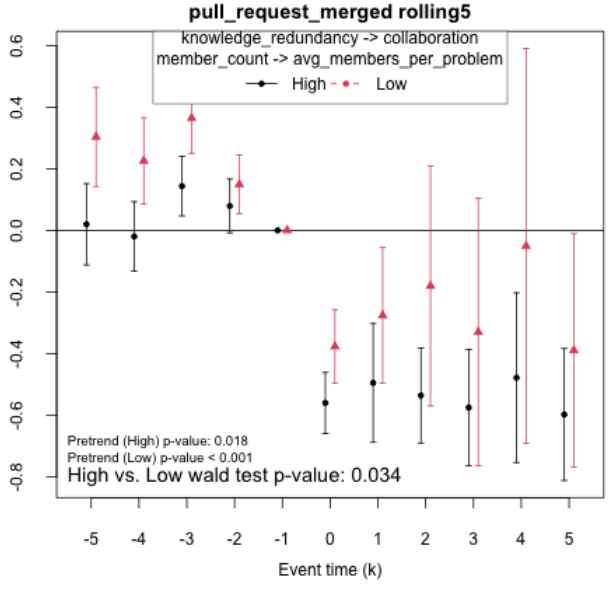

overall_new_release_count rolling5
knowledge_redundancy -> collaboration
hhi -> proj_hhi_pull_request_review_comment
High
Low
Pretrend (High) p-value: 0.603
Pretrend (Low) p-value: 0.124
High vs. Low wald test p-value: 0.315
Event time (k)

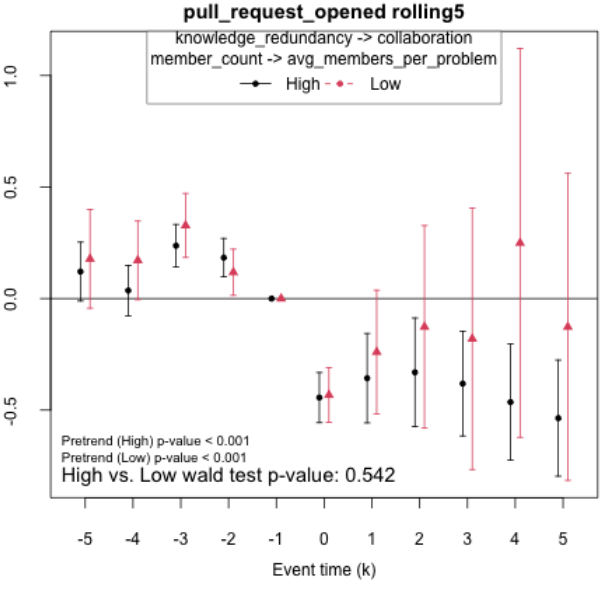

pull_request_merged rolling5
knowledge_redundancy -> collaboration
hhi -> proj_hhi_pull_request_review_comment
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.000
Event time (k)

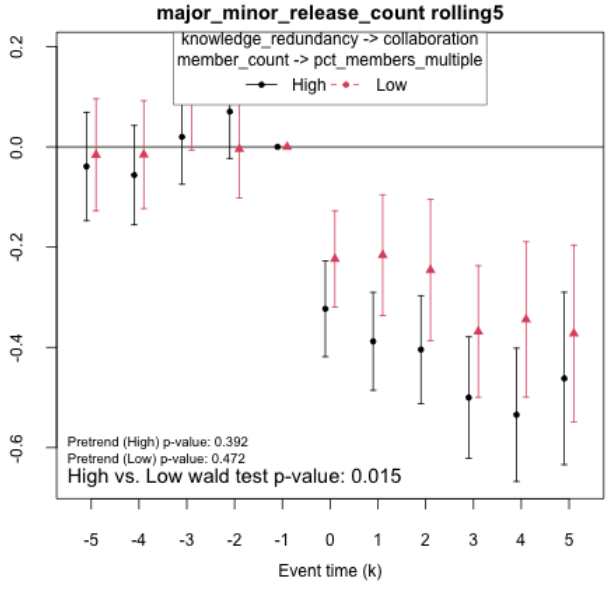

pull_request_opened rolling5
knowledge_redundancy -> collaboration
hhi -> proj_hhi_pull_request_review_comment
High
Low
Pretrend (High) p-value: 0.005
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.000
Event time (k)

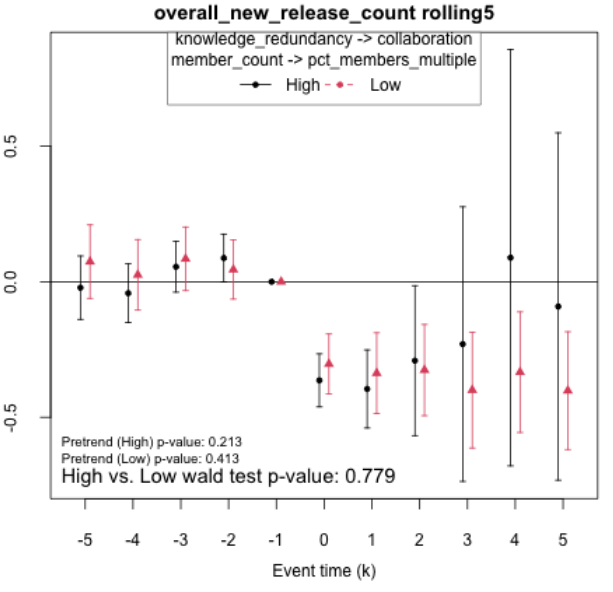

major_minor_release_count rolling5
knowledge_redundancy -> collaboration
member_count -> avg_members_per_problem
High
Low
Pretrend (High) p-value: 0.492
Pretrend (Low) p-value: 0.144
High vs. Low wald test p-value: 0.422
Event time (k)

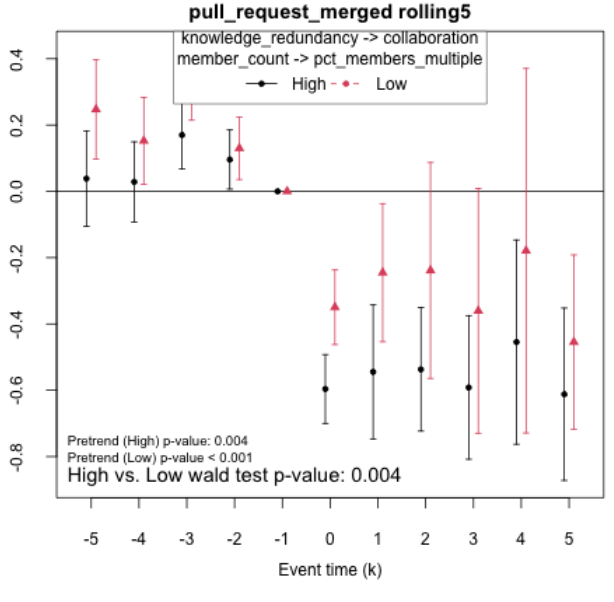

overall_new_release_count rolling5
knowledge_redundancy -> collaboration
member_count -> avg_members_per_problem
High
Low
Pretrend (High) p-value: 0.357
Pretrend (Low) p-value: 0.212
High vs. Low wald test p-value: 0.443
Event time (k)

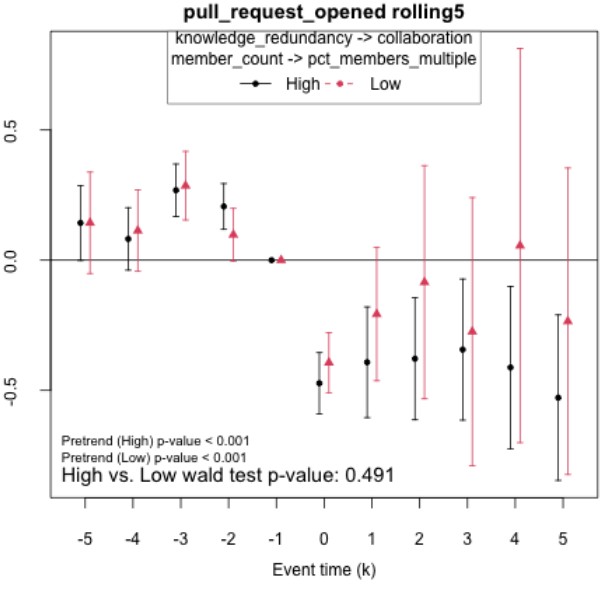

pull_request_merged rolling5
knowledge_redundancy -> collaboration
member_count -> avg_members_per_problem
High
Low
Pretrend (High) p-value: 0.018
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.034
Event time (k)

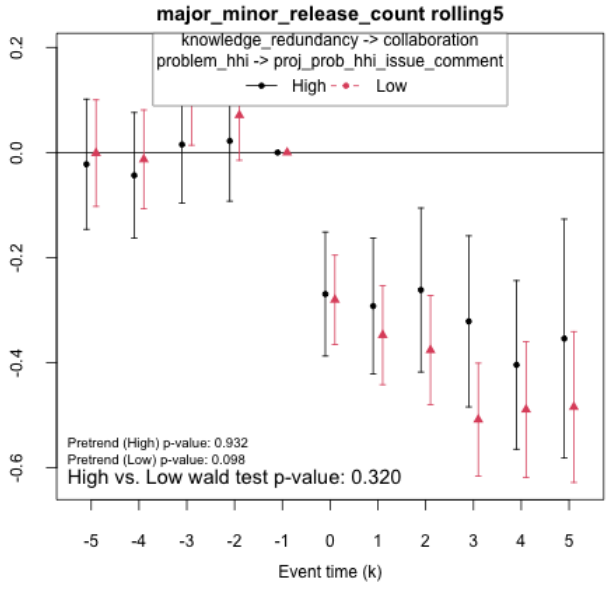

pull_request_opened rolling5
knowledge_redundancy -> collaboration
member_count -> avg_members_per_problem
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.542
Event time (k)

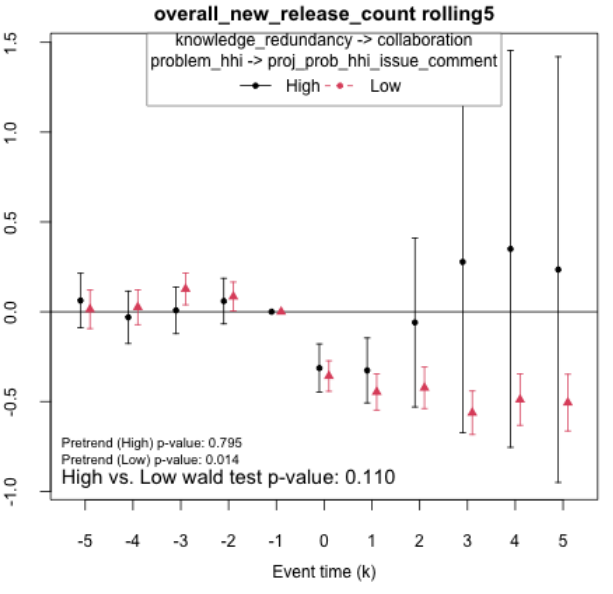

major_minor_release_count rolling5
knowledge_redundancy -> collaboration
member_count -> pct_members_multiple
High
Low
Pretrend (High) p-value: 0.392
Pretrend (Low) p-value: 0.472
High vs. Low wald test p-value: 0.015
Event time (k)

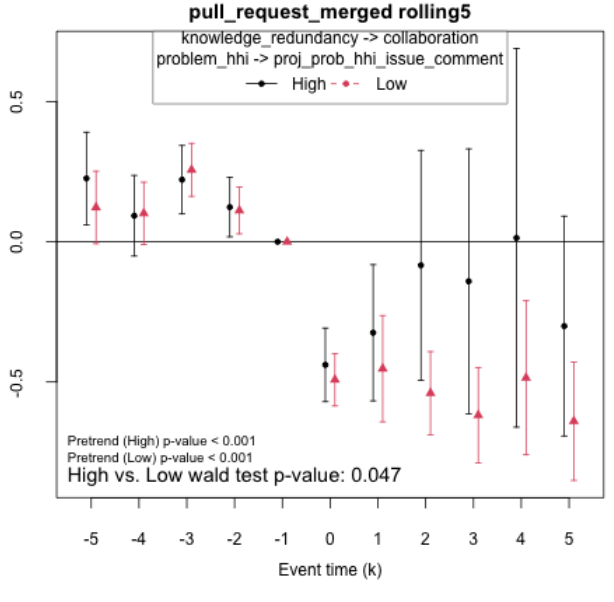

overall_new_release_count rolling5
knowledge_redundancy -> collaboration
member_count -> pct_members_multiple
High
Low
Pretrend (High) p-value: 0.213
Pretrend (Low) p-value: 0.413
High vs. Low wald test p-value: 0.779
Event time (k)

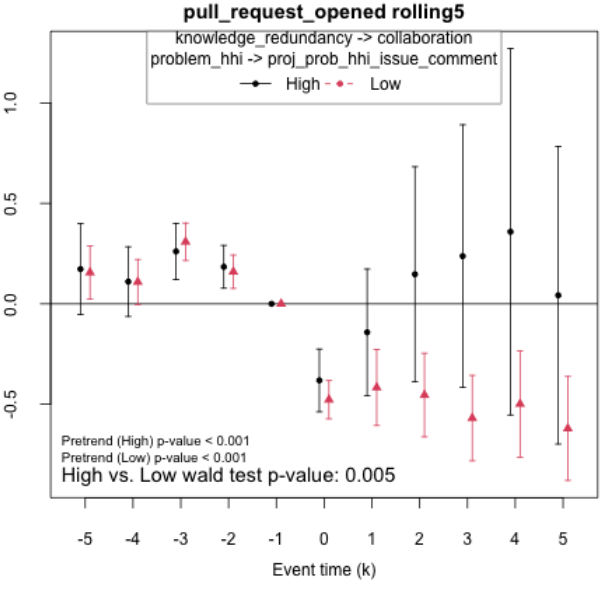

pull_request_merged rolling5
knowledge_redundancy -> collaboration
member_count -> pct_members_multiple
High
Low
Pretrend (High) p-value: 0.004
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.004
Event time (k)

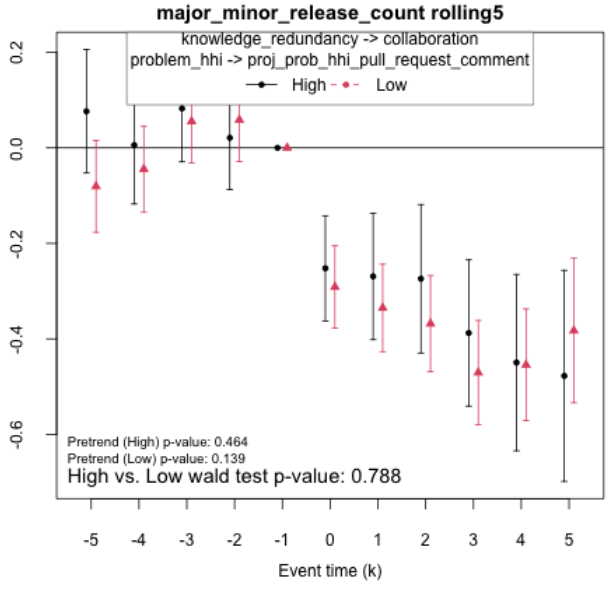

pull_request_opened rolling5
knowledge_redundancy -> collaboration
member_count -> pct_members_multiple
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.491
Event time (k)

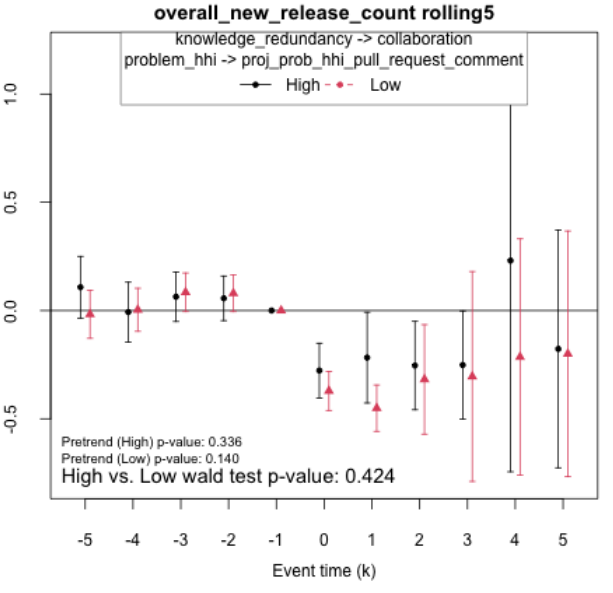

major_minor_release_count rolling5
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_issue_comment
High
Low
Pretrend (High) p-value: 0.932
Pretrend (Low) p-value: 0.098
High vs. Low wald test p-value: 0.320
Event time (k)

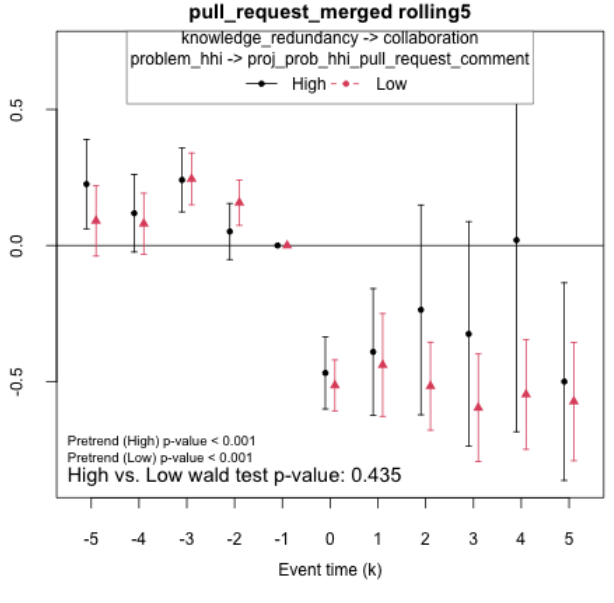

overall_new_release_count rolling5
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_issue_comment
High
Low
Pretrend (High) p-value: 0.795
Pretrend (Low) p-value: 0.014
High vs. Low wald test p-value: 0.110
Event time (k)

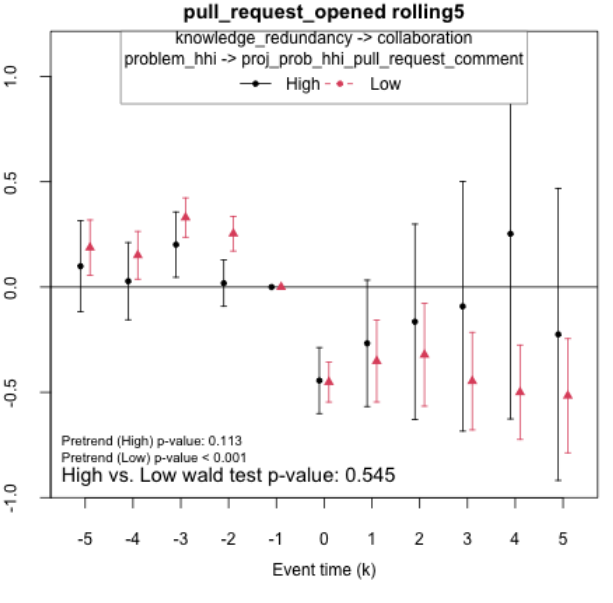

pull_request_merged rolling5
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_issue_comment
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.047
Event time (k)

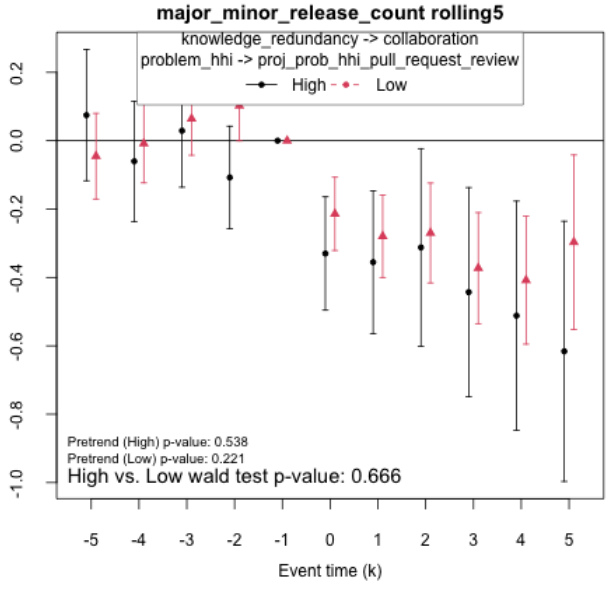

pull_request_opened rolling5
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_issue_comment
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.005
Event time (k)

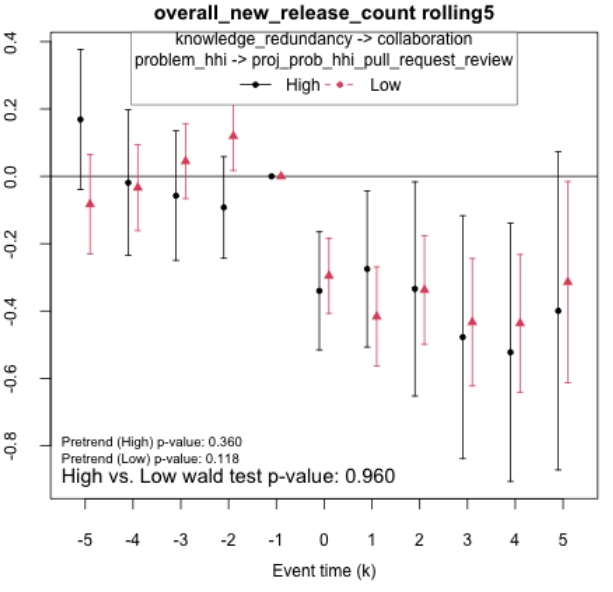

major_minor_release_count rolling5
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_comment
High
Low
Pretrend (High) p-value: 0.464
Pretrend (Low) p-value: 0.139
High vs. Low wald test p-value: 0.788
Event time (k)

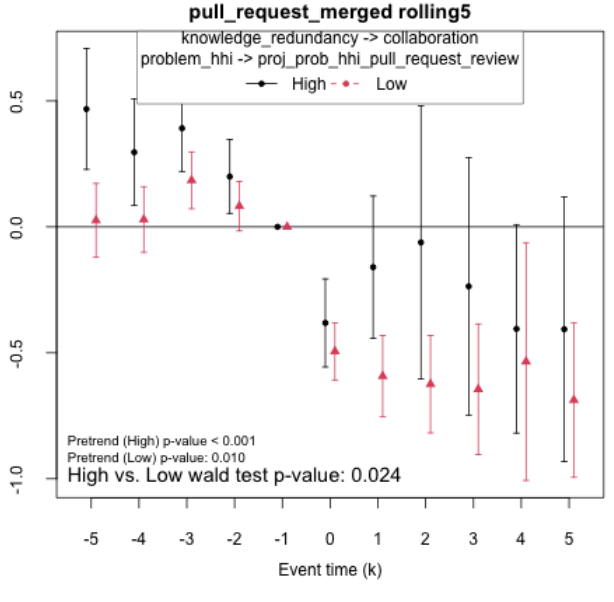

overall_new_release_count rolling5
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_comment
High
Low
Pretrend (High) p-value: 0.336
Pretrend (Low) p-value: 0.140
High vs. Low wald test p-value: 0.424
Event time (k)

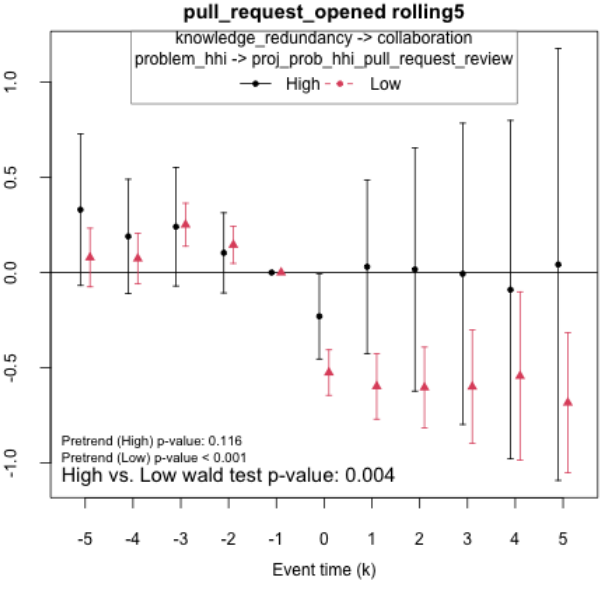

pull_request_merged rolling5
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_comment
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.435
Event time (k)

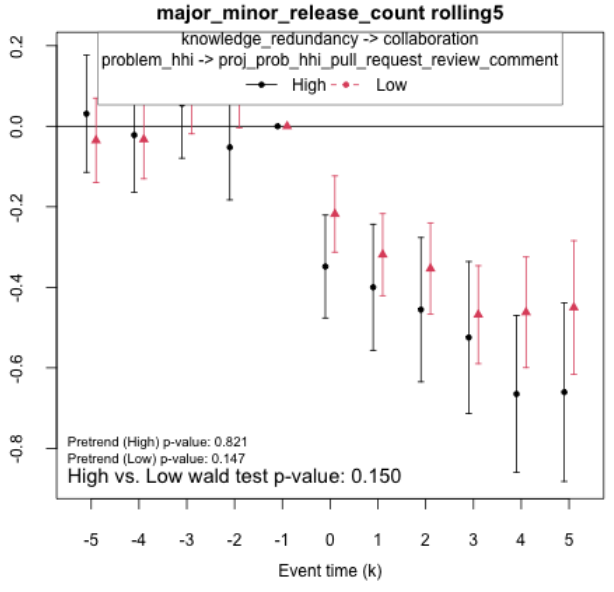

pull_request_opened rolling5
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_comment
High
Low
Pretrend (High) p-value: 0.113
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.545
Event time (k)

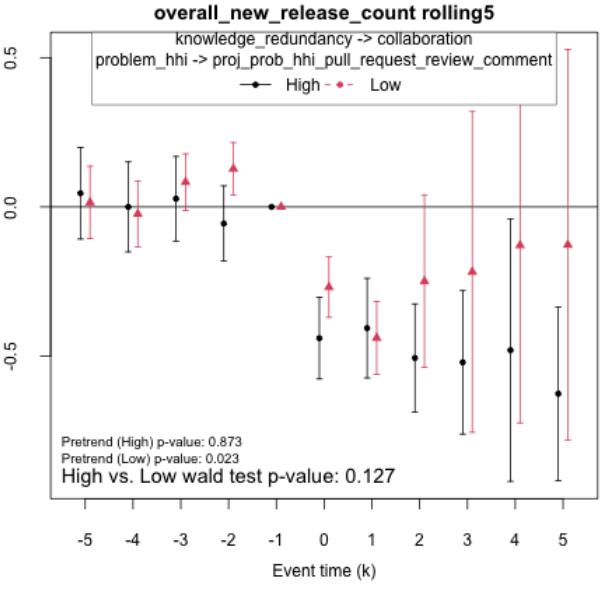

major_minor_release_count rolling5
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_review
High
Low
Pretrend (High) p-value: 0.538
Pretrend (Low) p-value: 0.221
High vs. Low wald test p-value: 0.666
Event time (k)

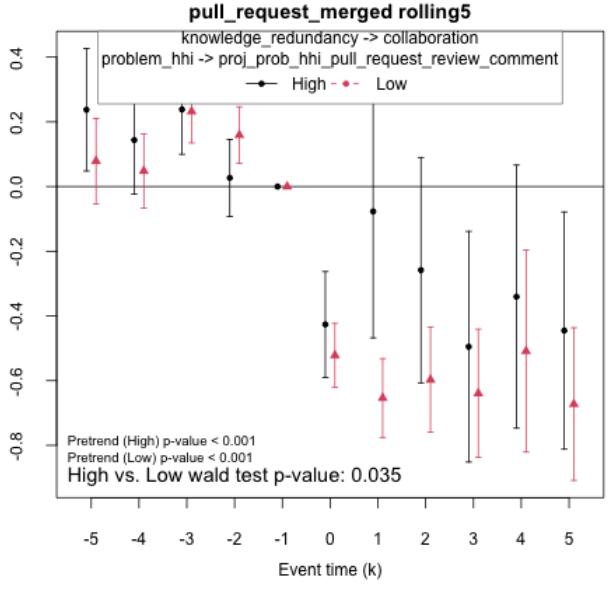

overall_new_release_count rolling5
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_review
High
Low
Pretrend (High) p-value: 0.360
Pretrend (Low) p-value: 0.118
High vs. Low wald test p-value: 0.960
Event time (k)

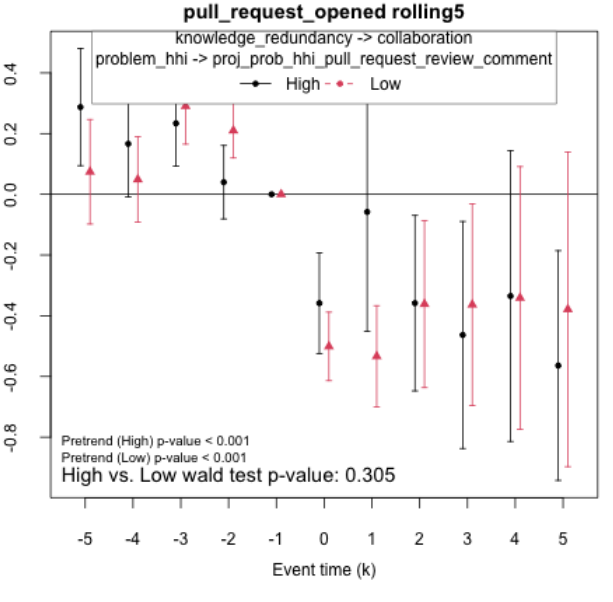

pull_request_merged rolling5
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_review
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.010
High vs. Low wald test p-value: 0.024
Event time (k)

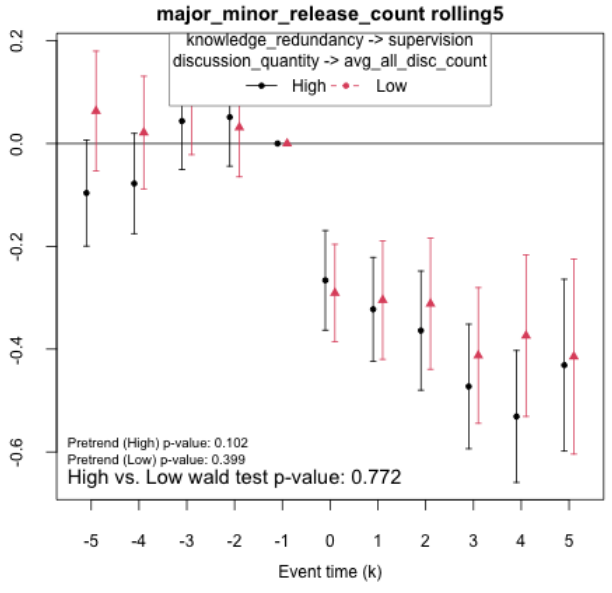

pull_request_opened rolling5
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_review
High
Low
Pretrend (High) p-value: 0.116
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.004
Event time (k)

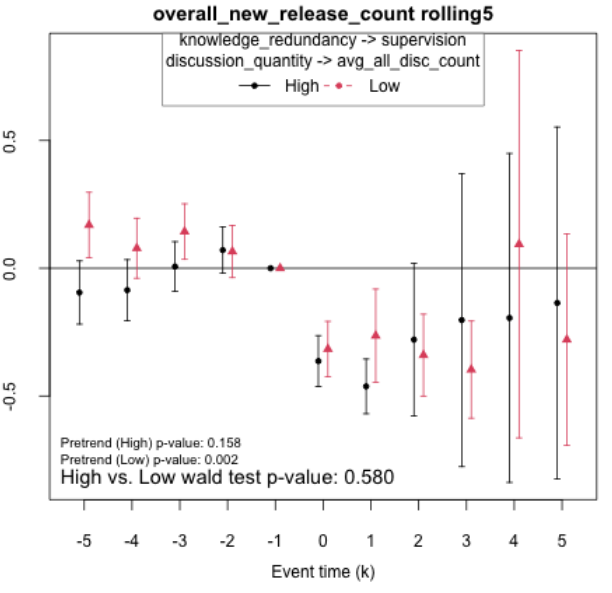

major_minor_release_count rolling5
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_review_comment
High
Low
Pretrend (High) p-value: 0.821
Pretrend (Low) p-value: 0.147
High vs. Low wald test p-value: 0.150
Event time (k)

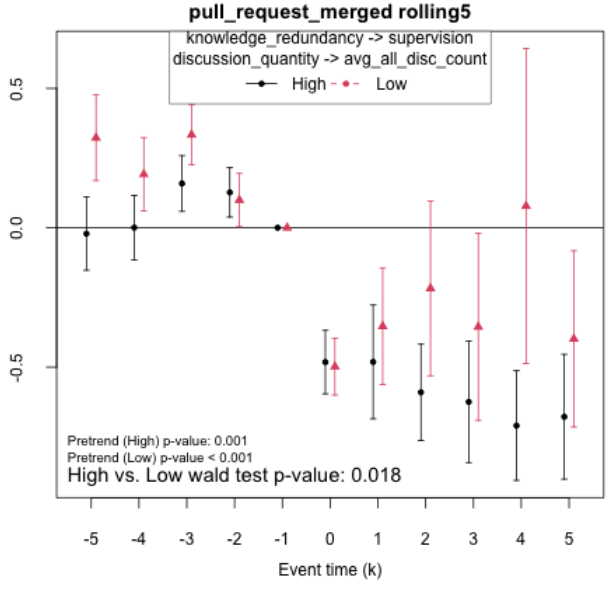

overall_new_release_count rolling5
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_review_comment
High
Low
Pretrend (High) p-value: 0.873
Pretrend (Low) p-value: 0.023
High vs. Low wald test p-value: 0.127
Event time (k)

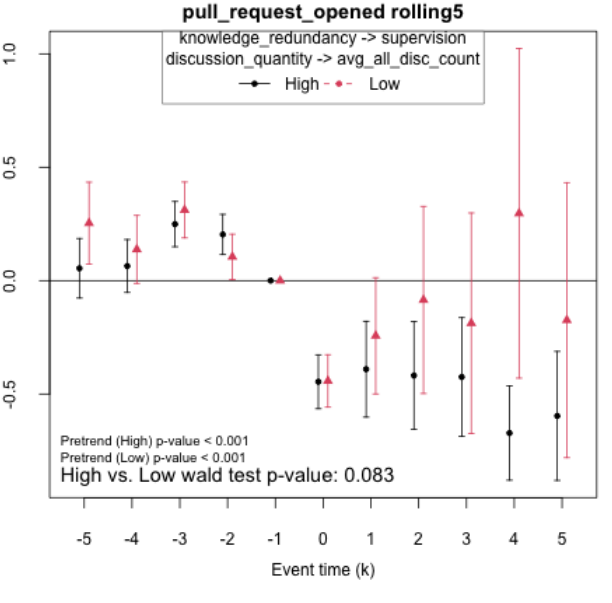

pull_request_merged rolling5
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_review_comment
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.035
Event time (k)

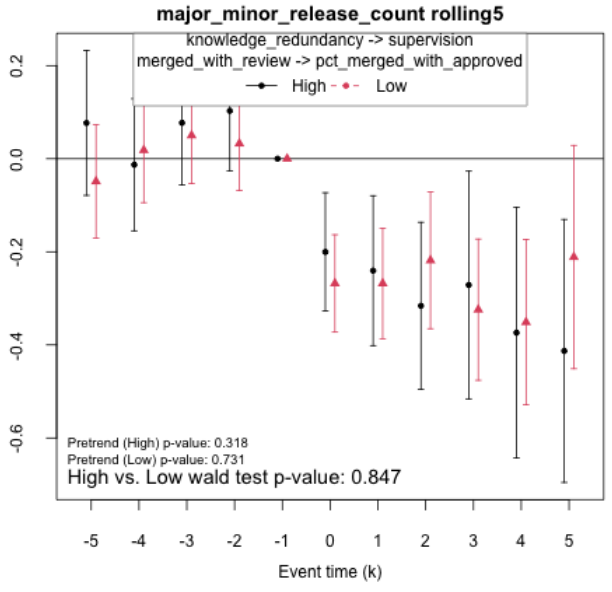

pull_request_opened rolling5
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_review_comment
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.305
Event time (k)

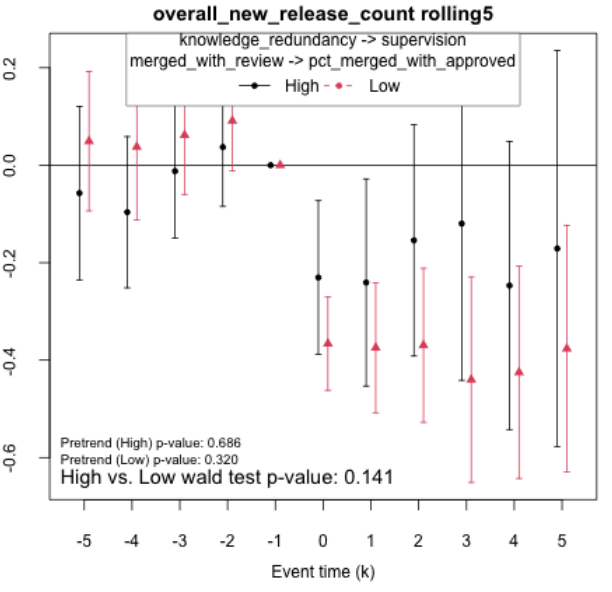

major_minor_release_count rolling5
knowledge_redundancy -> supervision
discussion_quantity -> avg_all_disc_count
High
Low
Pretrend (High) p-value: 0.102
Pretrend (Low) p-value: 0.399
High vs. Low wald test p-value: 0.772
Event time (k)

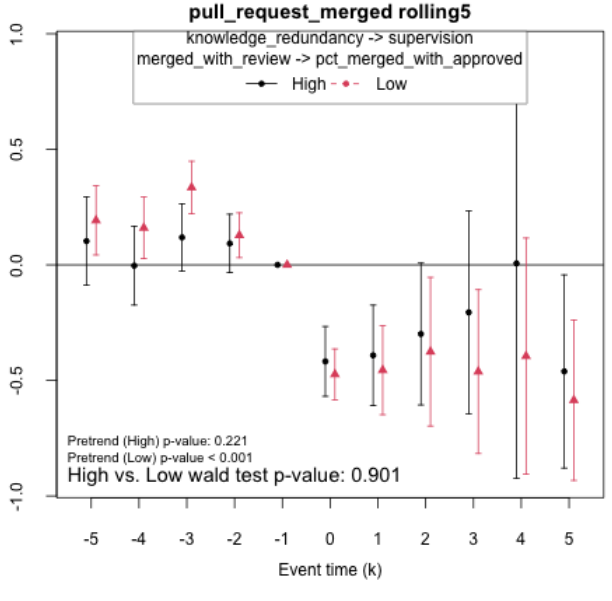

overall_new_release_count rolling5
knowledge_redundancy -> supervision
discussion_quantity -> avg_all_disc_count
High
Low
Pretrend (High) p-value: 0.158
Pretrend (Low) p-value: 0.002
High vs. Low wald test p-value: 0.580
Event time (k)

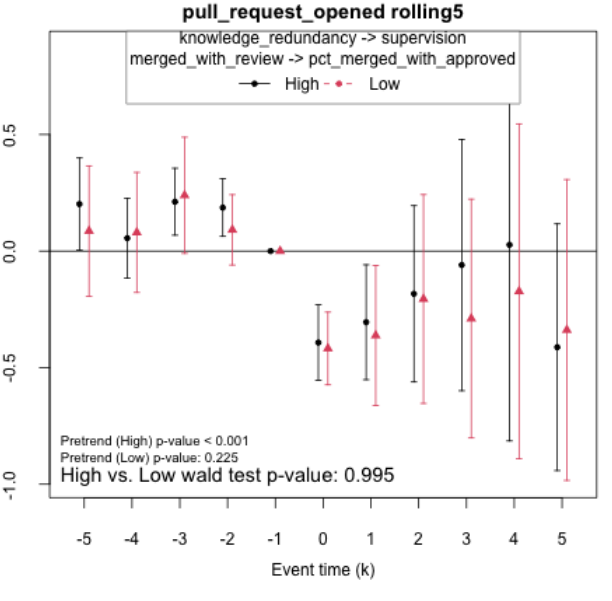

pull_request_merged rolling5
knowledge_redundancy -> supervision
discussion_quantity -> avg_all_disc_count
High
Low
Pretrend (High) p-value: 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.018
Event time (k)

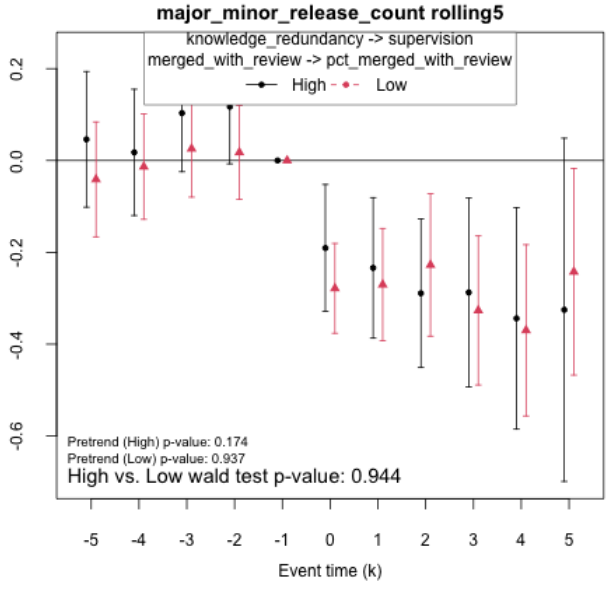

pull_request_opened rolling5
knowledge_redundancy -> supervision
discussion_quantity -> avg_all_disc_count
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.083
Event time (k)

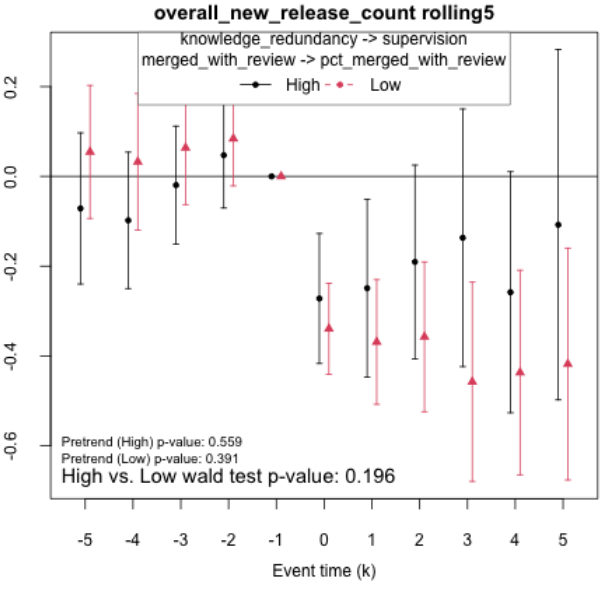

major_minor_release_count rolling5
knowledge_redundancy -> supervision
merged_with_review -> pct_merged_with_approved
High
Low
Pretrend (High) p-value: 0.318
Pretrend (Low) p-value: 0.731
High vs. Low wald test p-value: 0.847
Event time (k)

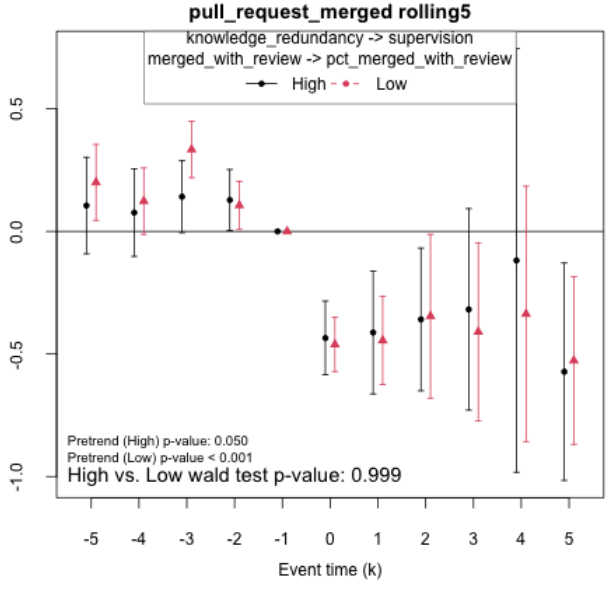

overall_new_release_count rolling5
knowledge_redundancy -> supervision
merged_with_review -> pct_merged_with_approved
High
Low
Pretrend (High) p-value: 0.686
Pretrend (Low) p-value: 0.320
High vs. Low wald test p-value: 0.141
Event time (k)

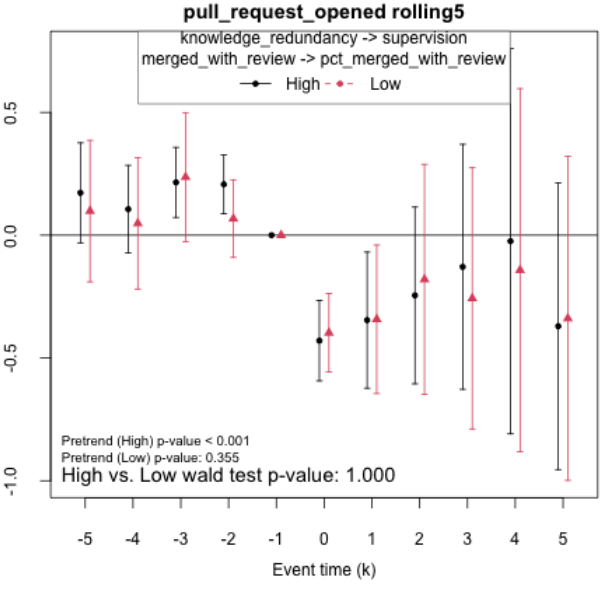

pull_request_merged rolling5
knowledge_redundancy -> supervision
merged_with_review -> pct_merged_with_approved
High
Low
Pretrend (High) p-value: 0.221
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.901
Event time (k)

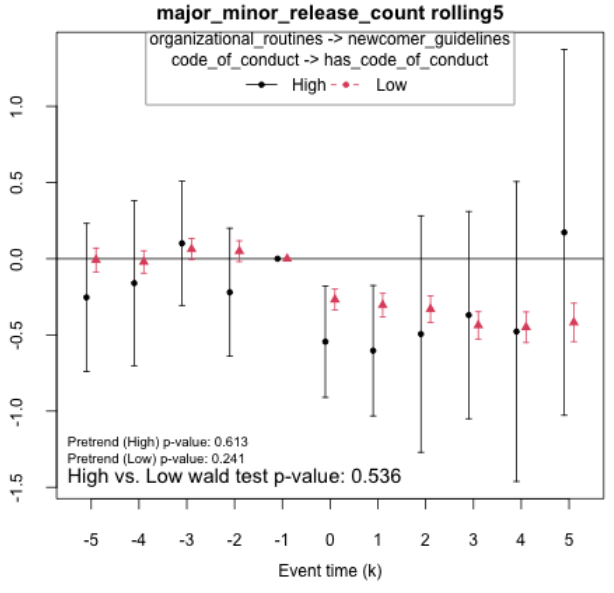

pull_request_opened rolling5
knowledge_redundancy -> supervision
merged_with_review -> pct_merged_with_approved
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.225
High vs. Low wald test p-value: 0.995
Event time (k)

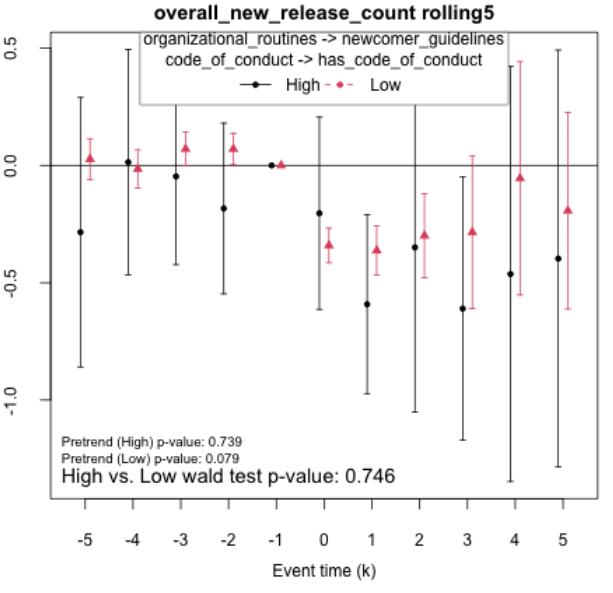

major_minor_release_count rolling5
knowledge_redundancy -> supervision
merged_with_review -> pct_merged_with_review
High
Low
Pretrend (High) p-value: 0.174
Pretrend (Low) p-value: 0.937
High vs. Low wald test p-value: 0.944
Event time (k)

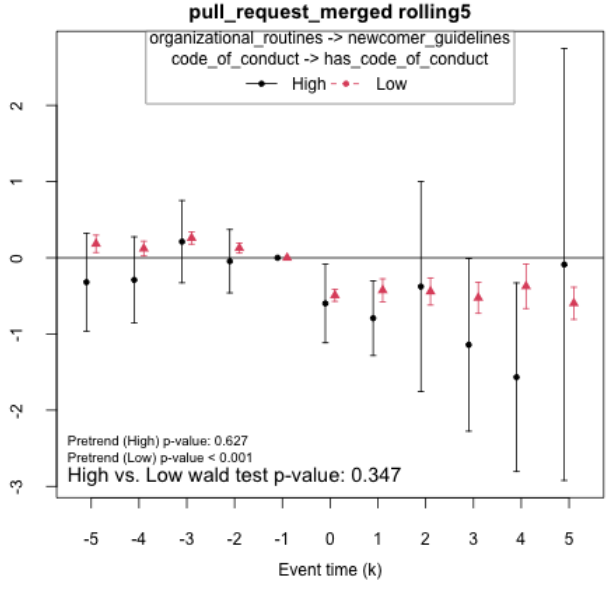

overall_new_release_count rolling5
knowledge_redundancy -> supervision
merged_with_review -> pct_merged_with_review
High
Low
Pretrend (High) p-value: 0.559
Pretrend (Low) p-value: 0.391
High vs. Low wald test p-value: 0.196
Event time (k)

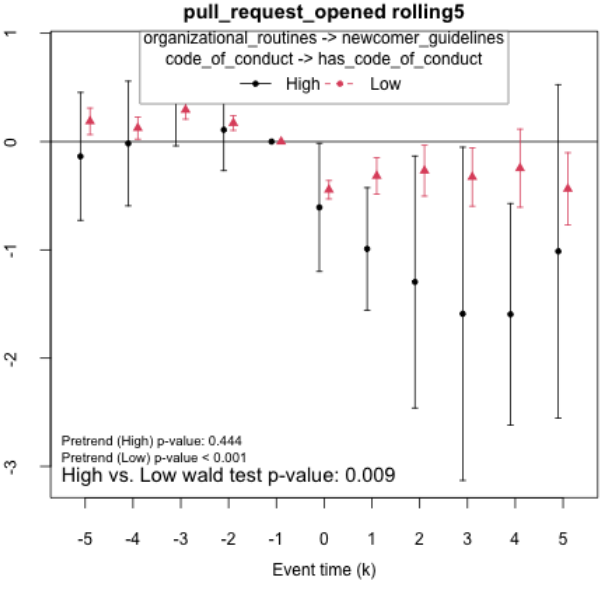

pull_request_merged rolling5
knowledge_redundancy -> supervision
merged_with_review -> pct_merged_with_review
High
Low
Pretrend (High) p-value: 0.050
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.999
Event time (k)

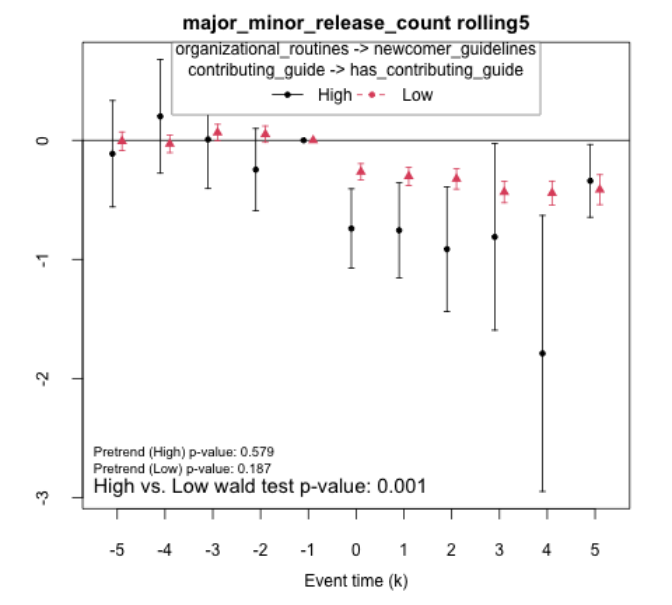

pull_request_opened rolling5
knowledge_redundancy -> supervision
merged_with_review -> pct_merged_with_review
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.355
High vs. Low wald test p-value: 1.000
Event time (k)

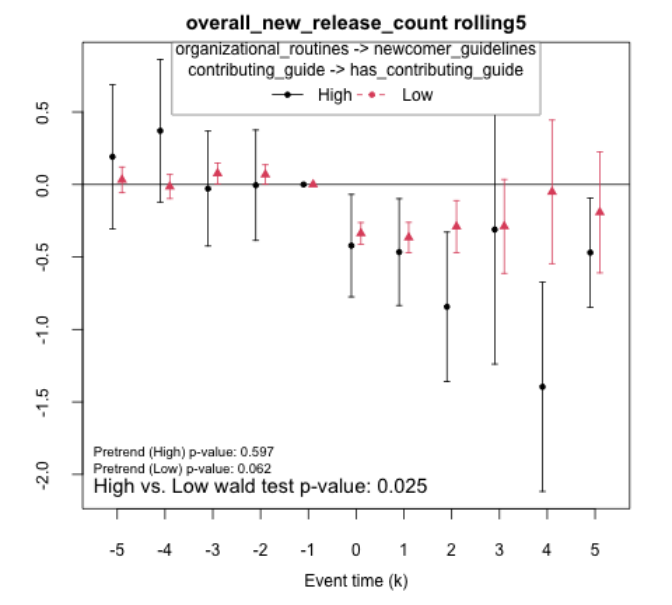

major_minor_release_count rolling5
organizational_routines -> newcomer_guidelines
code_of_conduct -> has_code_of_conduct
High
Low
Pretrend (High) p-value: 0.613
Pretrend (Low) p-value: 0.241
High vs. Low wald test p-value: 0.536
Event time (k)

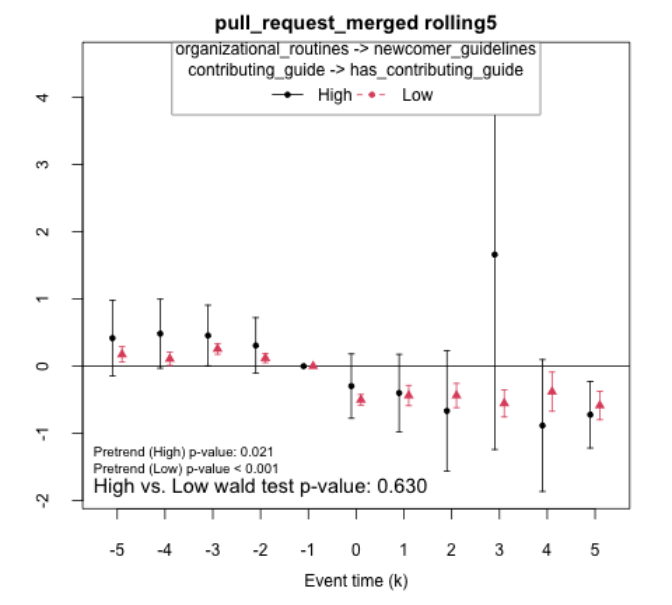

overall_new_release_count rolling5
organizational_routines -> newcomer_guidelines
code_of_conduct -> has_code_of_conduct
High
Low
Pretrend (High) p-value: 0.739
Pretrend (Low) p-value: 0.079
High vs. Low wald test p-value: 0.746
Event time (k)

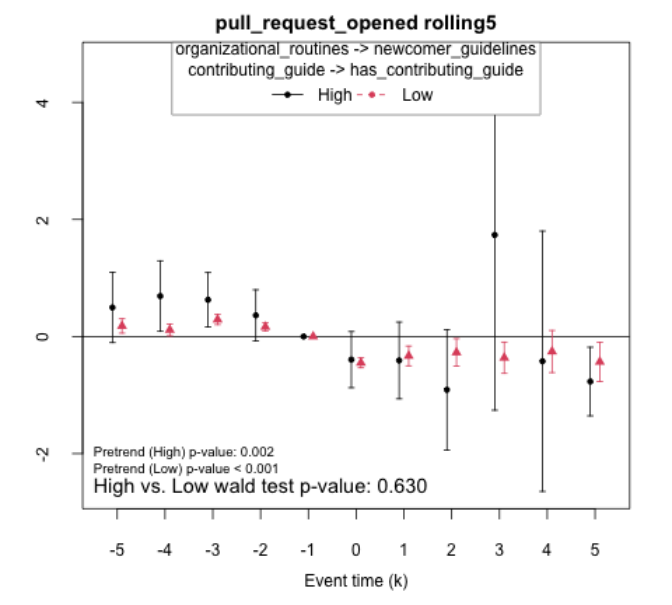

pull_request_merged rolling5
organizational_routines -> newcomer_guidelines
code_of_conduct -> has_code_of_conduct
High
Low
Pretrend (High) p-value: 0.627
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.347
Event time (k)

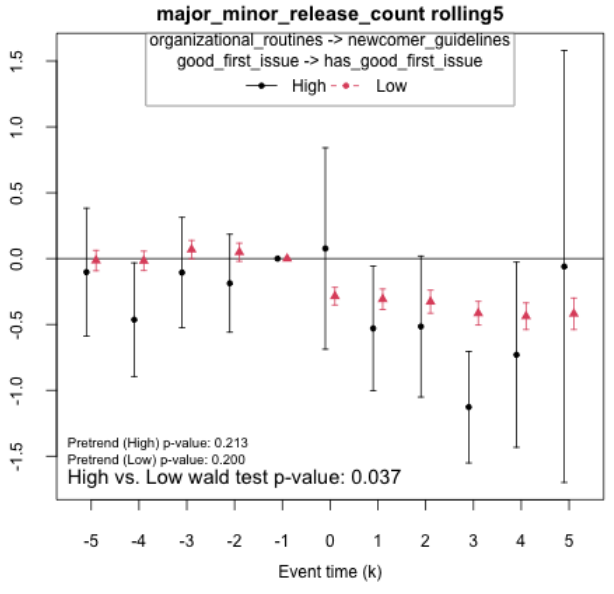

pull_request_opened rolling5
organizational_routines -> newcomer_guidelines
code_of_conduct -> has_code_of_conduct
High
Low
Pretrend (High) p-value: 0.444
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.009
Event time (k)

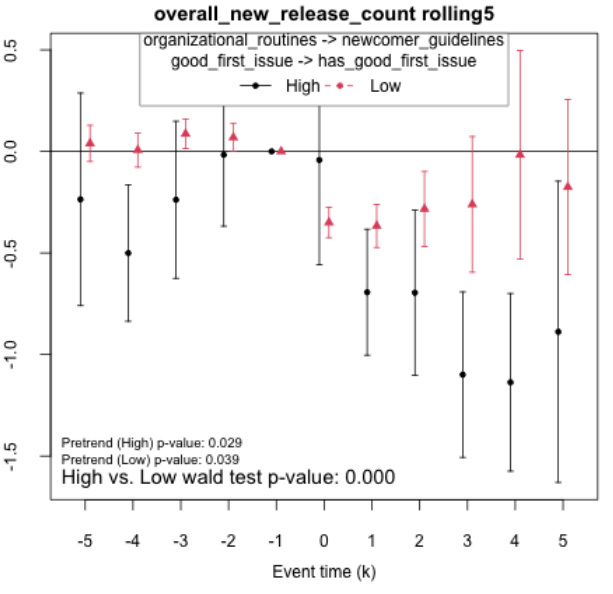

major_minor_release_count rolling5
organizational_routines -> newcomer_guidelines
contributing_guide -> has_contributing_guide
High
Low
Pretrend (High) p-value: 0.579
Pretrend (Low) p-value: 0.187
High vs. Low wald test p-value: 0.001
Event time (k)

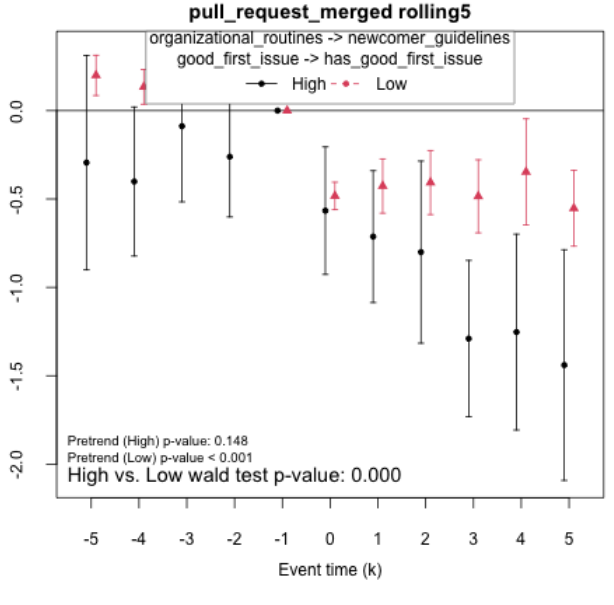

overall_new_release_count rolling5
organizational_routines -> newcomer_guidelines
contributing_guide -> has_contributing_guide
High
Low
Pretrend (High) p-value: 0.597
Pretrend (Low) p-value: 0.062
High vs. Low wald test p-value: 0.025
Event time (k)

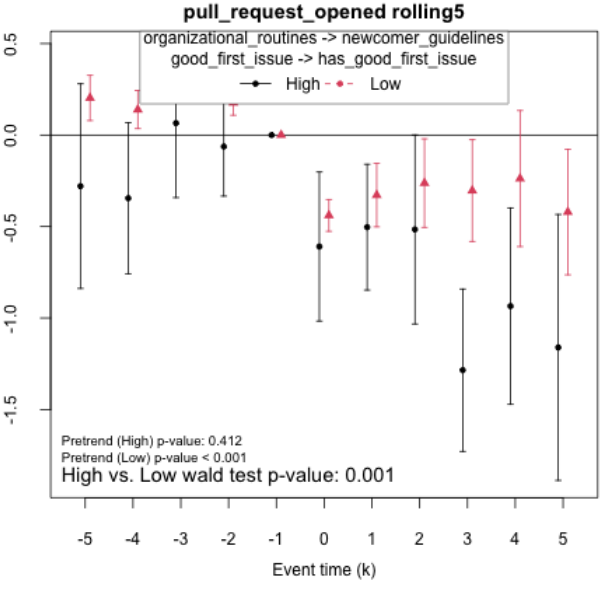

pull_request_merged rolling5
organizational_routines -> newcomer_guidelines
contributing_guide -> has_contributing_guide
High
Low
Pretrend (High) p-value: 0.021
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.630
Event time (k)

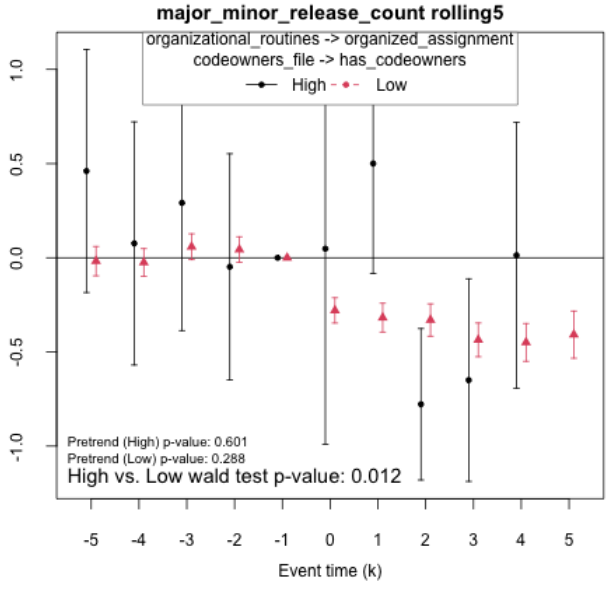

pull_request_opened rolling5
organizational_routines -> newcomer_guidelines
contributing_guide -> has_contributing_guide
High
Low
Pretrend (High) p-value: 0.002
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.630
Event time (k)

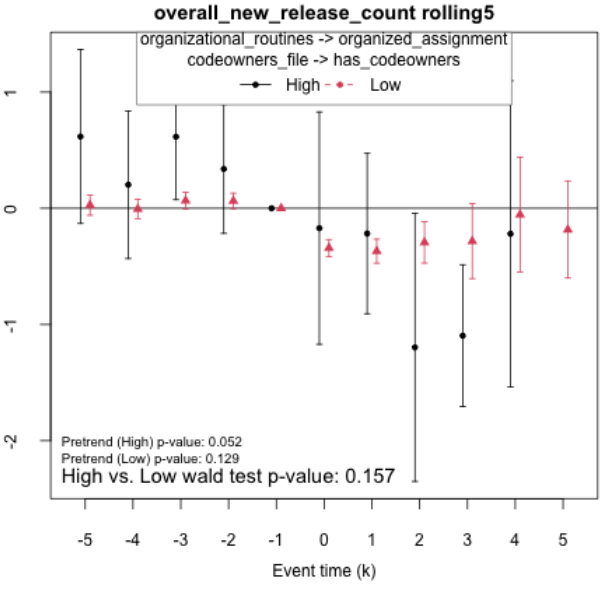

major_minor_release_count rolling5
organizational_routines -> newcomer_guidelines
good_first_issue -> has_good_first_issue
High
Low
Pretrend (High) p-value: 0.213
Pretrend (Low) p-value: 0.200
High vs. Low wald test p-value: 0.037
Event time (k)

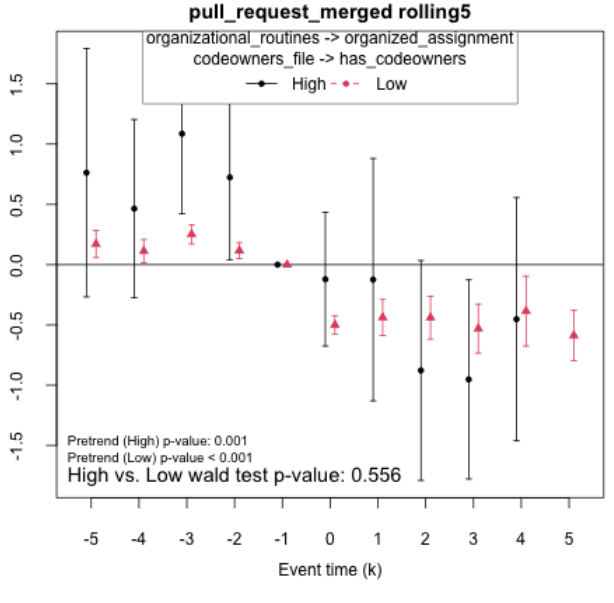

overall_new_release_count rolling5
organizational_routines -> newcomer_guidelines
good_first_issue -> has_good_first_issue
High
Low
Pretrend (High) p-value: 0.029
Pretrend (Low) p-value: 0.039
High vs. Low wald test p-value: 0.000
Event time (k)

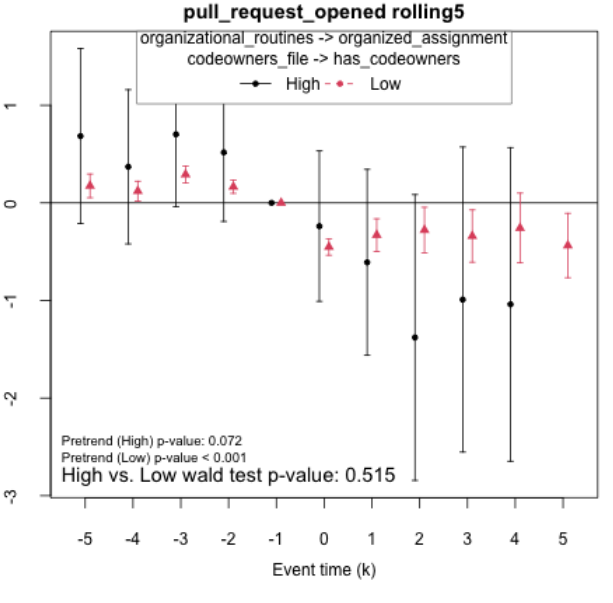

pull_request_merged rolling5
organizational_routines -> newcomer_guidelines
good_first_issue -> has_good_first_issue
High
Low
Pretrend (High) p-value: 0.148
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.000
Event time (k)

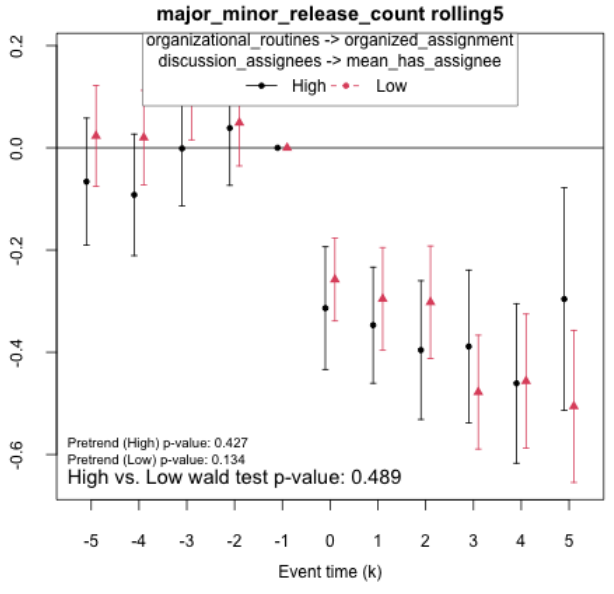

pull_request_opened rolling5
organizational_routines -> newcomer_guidelines
good_first_issue -> has_good_first_issue
High
Low
Pretrend (High) p-value: 0.412
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.001
Event time (k)

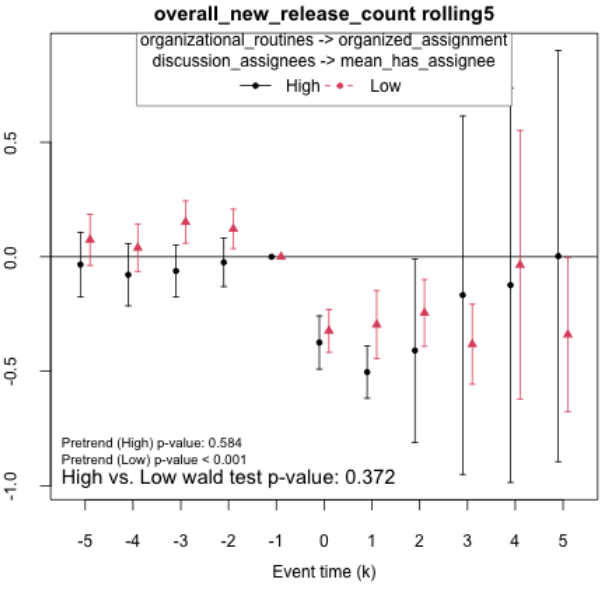

major_minor_release_count rolling5
organizational_routines -> organized_assignment
codeowners_file -> has_codeowners
High
Low
Pretrend (High) p-value: 0.601
Pretrend (Low) p-value: 0.288
High vs. Low wald test p-value: 0.012
Event time (k)

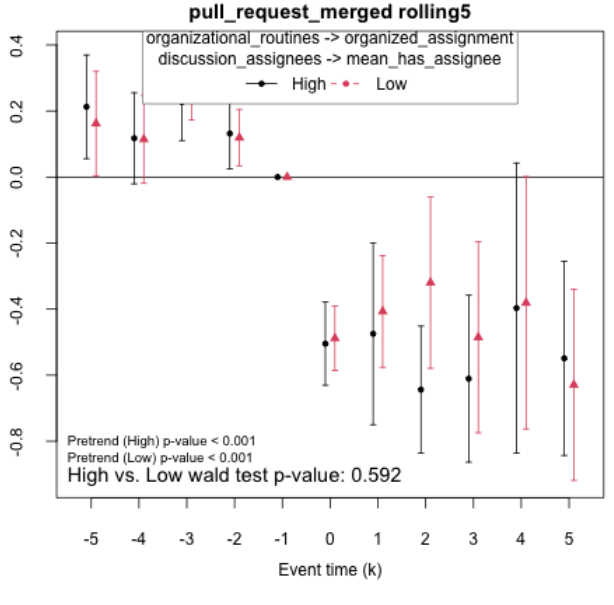

overall_new_release_count rolling5
organizational_routines -> organized_assignment
codeowners_file -> has_codeowners
High
Low
Pretrend (High) p-value: 0.052
Pretrend (Low) p-value: 0.129
High vs. Low wald test p-value: 0.157
Event time (k)

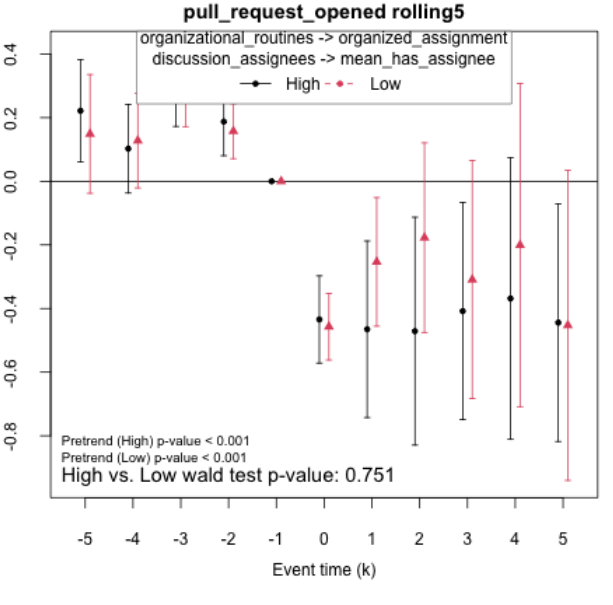

pull_request_merged rolling5
organizational_routines -> organized_assignment
codeowners_file -> has_codeowners
High
Low
Pretrend (High) p-value: 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.556
Event time (k)

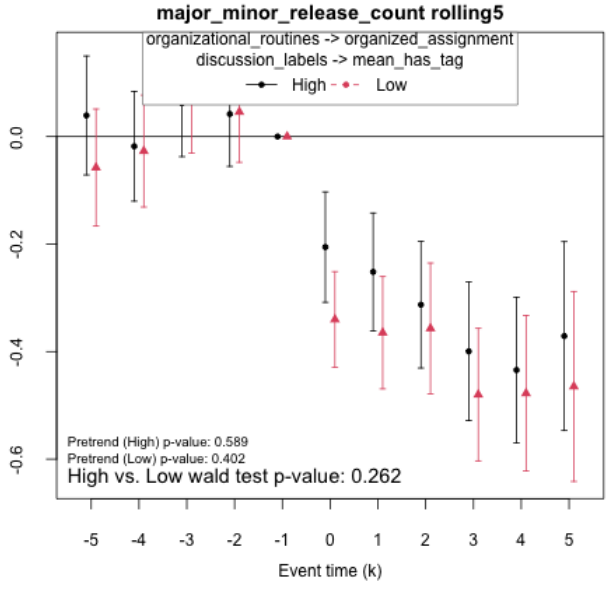

pull_request_opened rolling5
organizational_routines -> organized_assignment
codeowners_file -> has_codeowners
High
Low
Pretrend (High) p-value: 0.072
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.515
Event time (k)

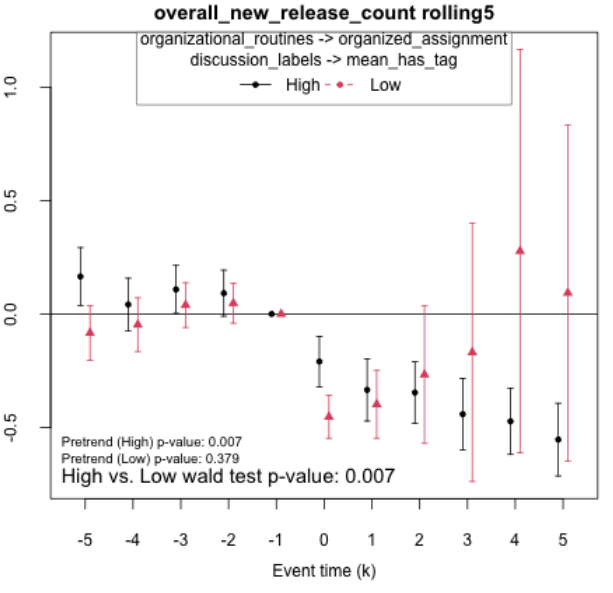

major_minor_release_count rolling5
organizational_routines -> organized_assignment
discussion_assignees -> mean_has_assignee
High
Low
Pretrend (High) p-value: 0.427
Pretrend (Low) p-value: 0.134
High vs. Low wald test p-value: 0.489
Event time (k)

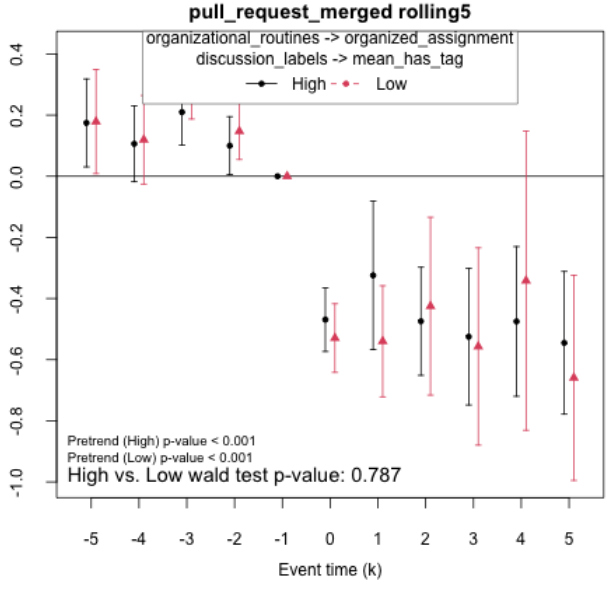

overall_new_release_count rolling5
organizational_routines -> organized_assignment
discussion_assignees -> mean_has_assignee
High
Low
Pretrend (High) p-value: 0.584
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.372
Event time (k)

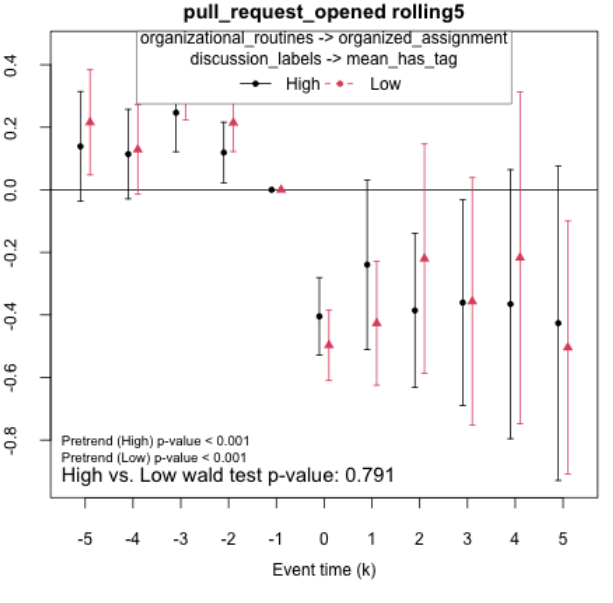

pull_request_merged rolling5
organizational_routines -> organized_assignment
discussion_assignees -> mean_has_assignee
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.592
Event time (k)

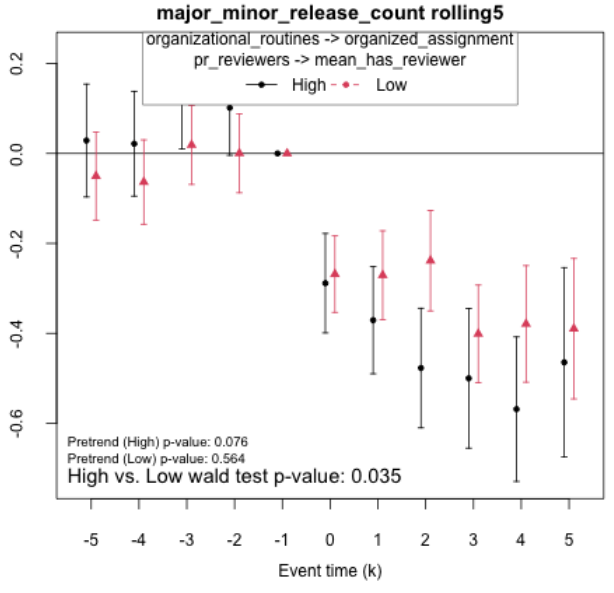

pull_request_opened rolling5
organizational_routines -> organized_assignment
discussion_assignees -> mean_has_assignee
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.751
Event time (k)

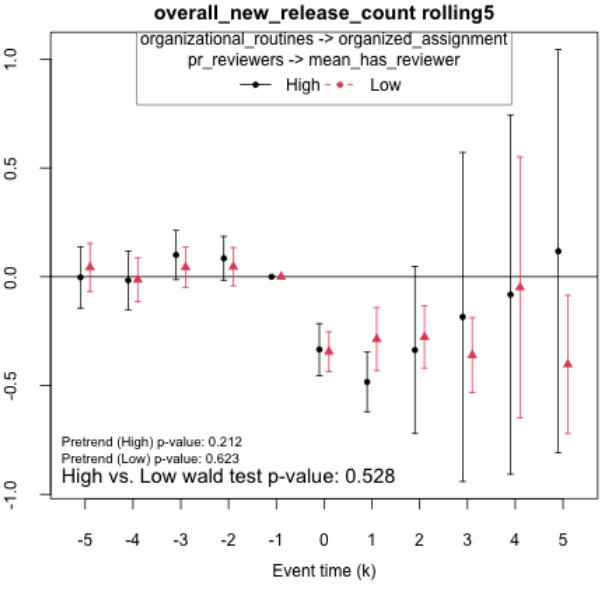

major_minor_release_count rolling5
organizational_routines -> organized_assignment
discussion_labels -> mean_has_tag
High
Low
Pretrend (High) p-value: 0.589
Pretrend (Low) p-value: 0.402
High vs. Low wald test p-value: 0.262
Event time (k)

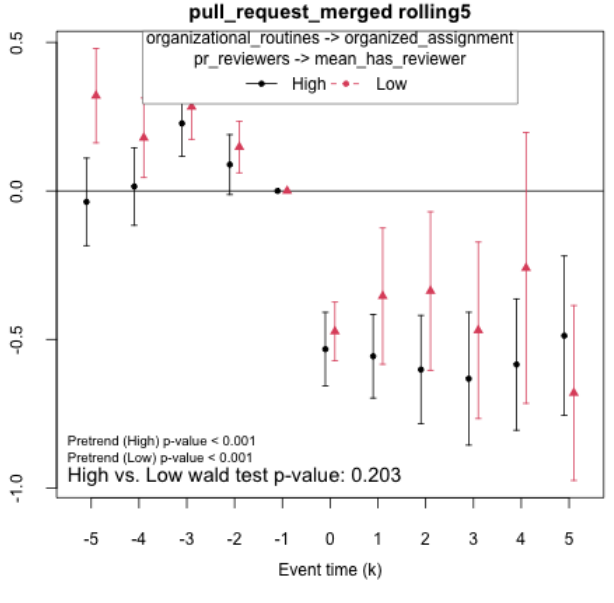

overall_new_release_count rolling5
organizational_routines -> organized_assignment
discussion_labels -> mean_has_tag
High
Low
Pretrend (High) p-value: 0.007
Pretrend (Low) p-value: 0.379
High vs. Low wald test p-value: 0.007
Event time (k)

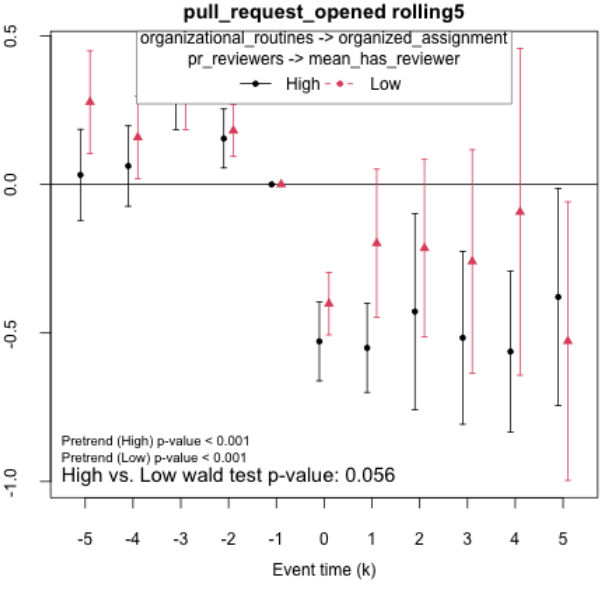

pull_request_merged rolling5
organizational_routines -> organized_assignment
discussion_labels -> mean_has_tag
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.787
Event time (k)

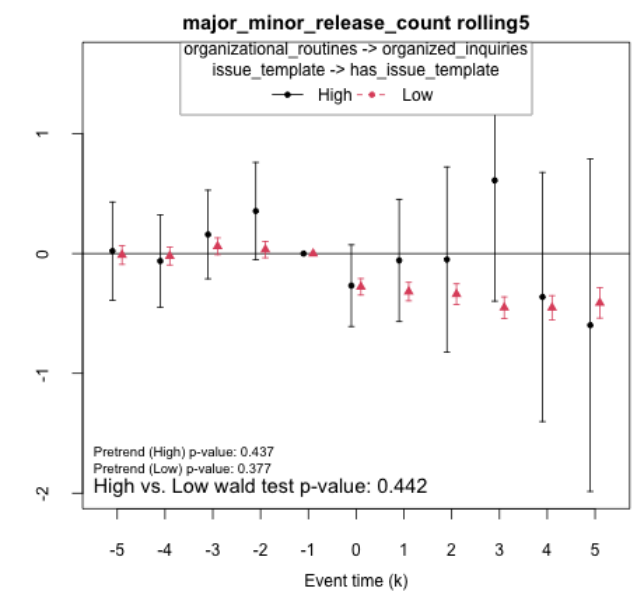

pull_request_opened rolling5
organizational_routines -> organized_assignment
discussion_labels -> mean_has_tag
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.791
Event time (k)

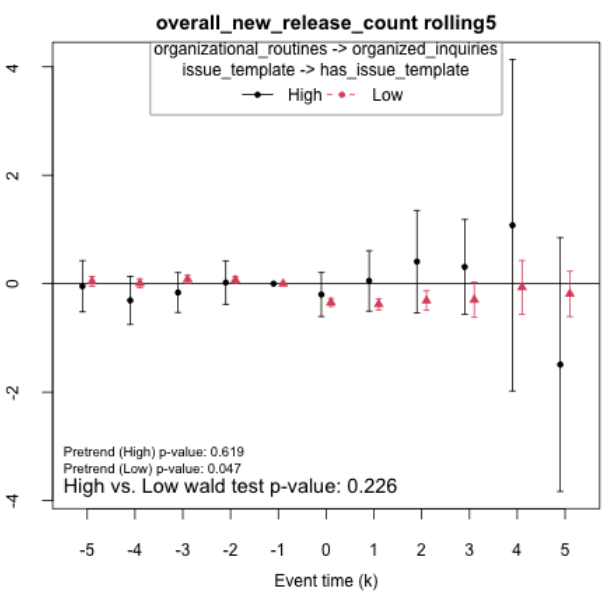

major_minor_release_count rolling5
organizational_routines -> organized_assignment
pr_reviewers -> mean_has_reviewer
High
Low
Pretrend (High) p-value: 0.076
Pretrend (Low) p-value: 0.564
High vs. Low wald test p-value: 0.035
Event time (k)

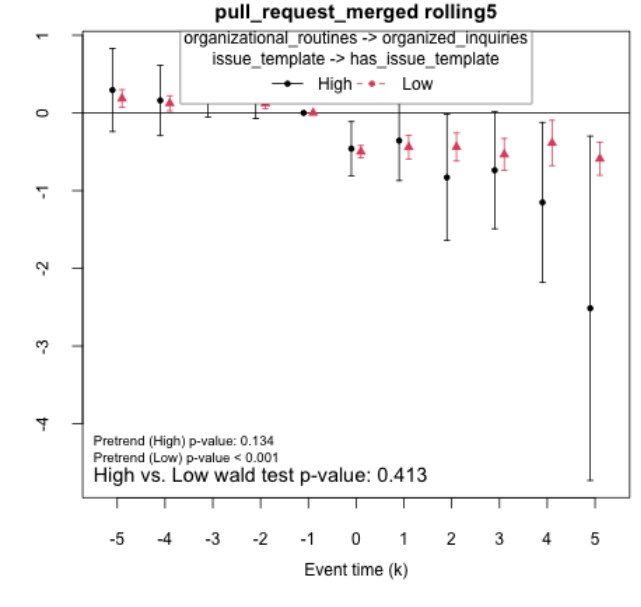

overall_new_release_count rolling5
organizational_routines -> organized_assignment
pr_reviewers -> mean_has_reviewer
High
Low
Pretrend (High) p-value: 0.212
Pretrend (Low) p-value: 0.623
High vs. Low wald test p-value: 0.528
Event time (k)

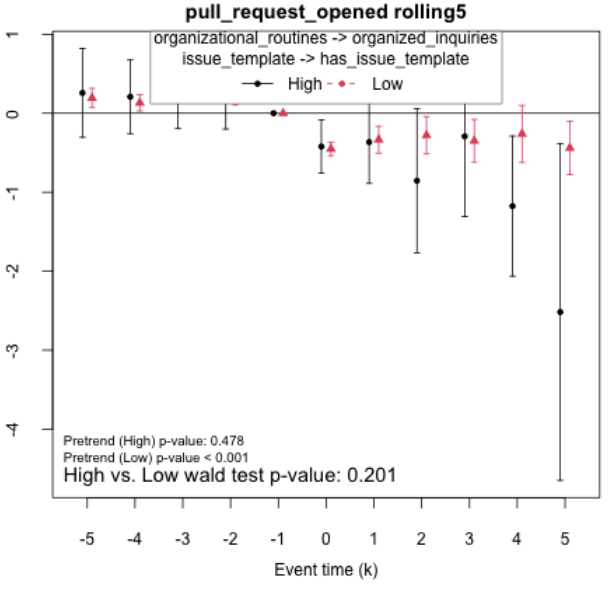

pull_request_merged rolling5
organizational_routines -> organized_assignment
pr_reviewers -> mean_has_reviewer
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.203
Event time (k)

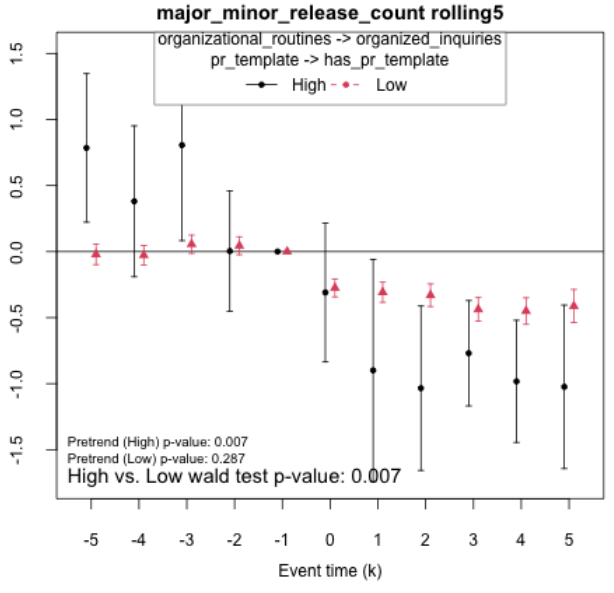

pull_request_opened rolling5
organizational_routines -> organized_assignment
pr_reviewers -> mean_has_reviewer
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.056
Event time (k)

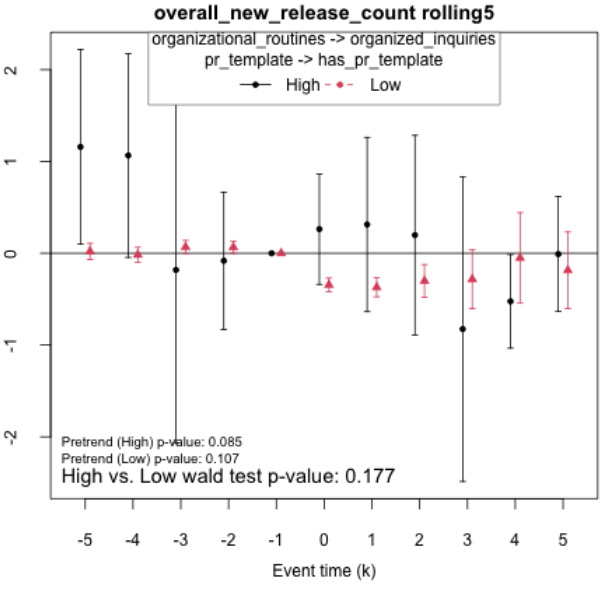

major_minor_release_count rolling5
organizational_routines -> organized_inquiries
issue_template -> has_issue_template
High
Low
Pretrend (High) p-value: 0.437
Pretrend (Low) p-value: 0.377
High vs. Low wald test p-value: 0.442
Event time (k)

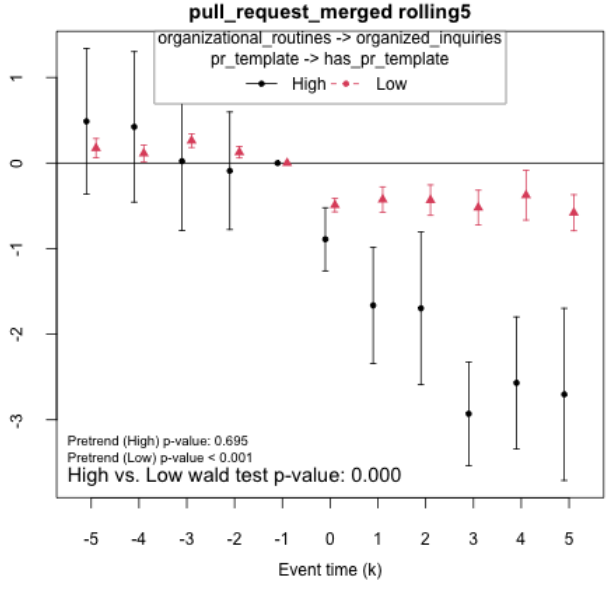

overall_new_release_count rolling5
organizational_routines -> organized_inquiries
issue_template -> has_issue_template
High
Low
Pretrend (High) p-value: 0.619
Pretrend (Low) p-value: 0.047
High vs. Low wald test p-value: 0.226
Event time (k)

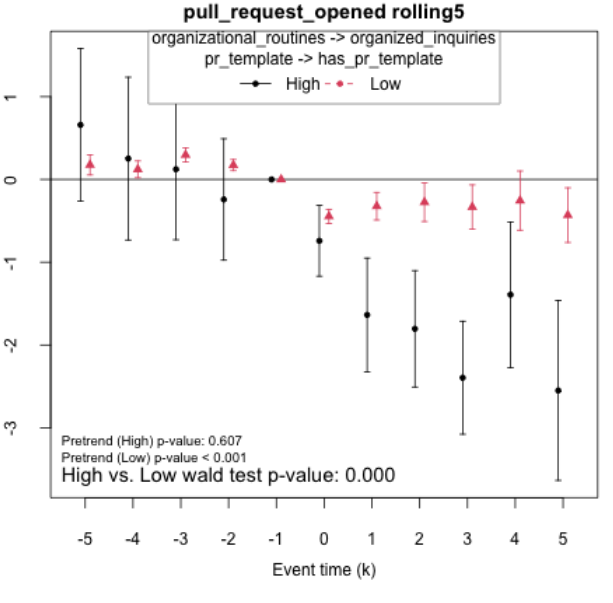

pull_request_merged rolling5
organizational_routines -> organized_inquiries
issue_template -> has_issue_template
High
Low
Pretrend (High) p-value: 0.134
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.413
Event time (k)

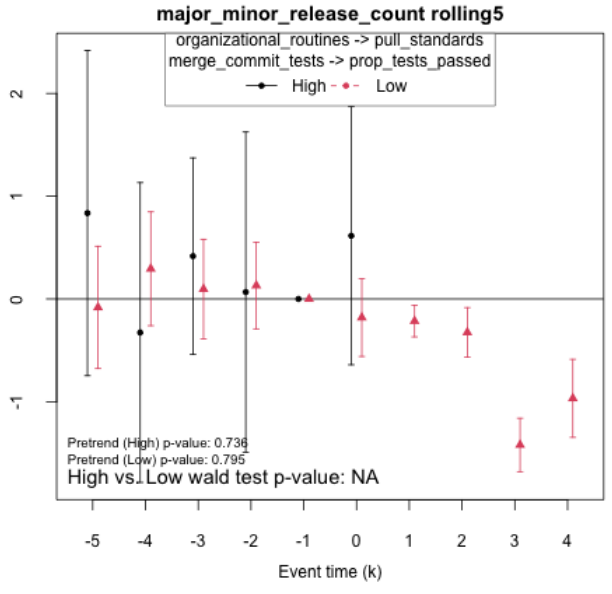

pull_request_opened rolling5
organizational_routines -> organized_inquiries
issue_template -> has_issue_template
High
Low
Pretrend (High) p-value: 0.478
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.201
Event time (k)

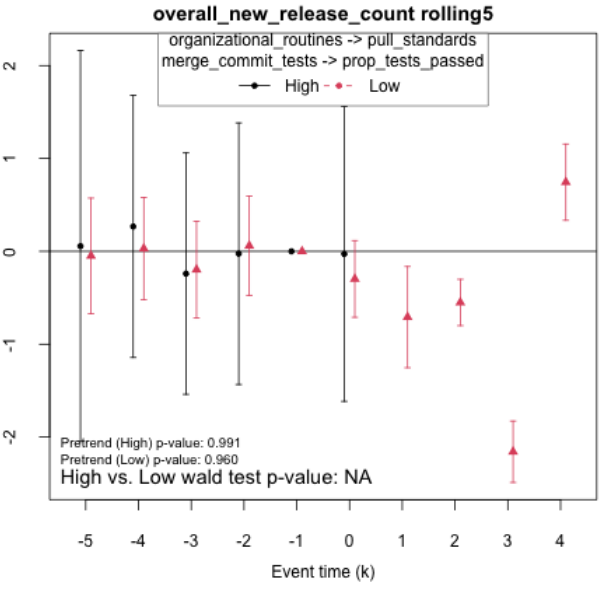

major_minor_release_count rolling5
organizational_routines -> organized_inquiries
pr_template -> has_pr_template
High
Low
Pretrend (High) p-value: 0.007
Pretrend (Low) p-value: 0.287
High vs. Low wald test p-value: 0.007
Event time (k)

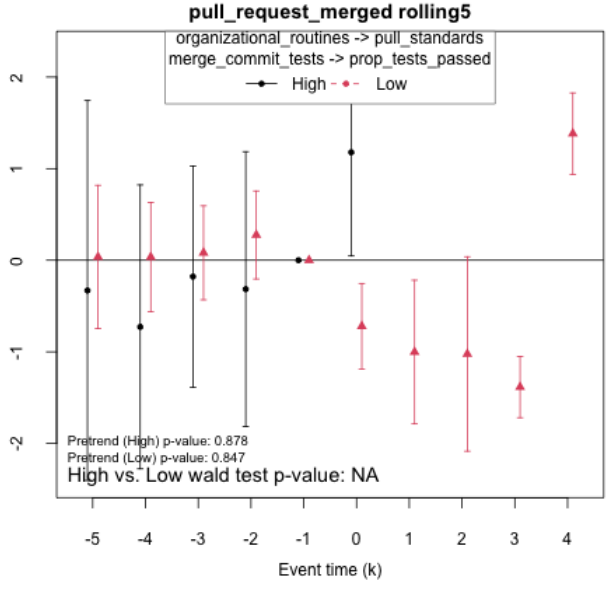

overall_new_release_count rolling5
organizational_routines -> organized_inquiries
pr_template -> has_pr_template
High
Low
Pretrend (High) p-value: 0.085
Pretrend (Low) p-value: 0.107
High vs. Low wald test p-value: 0.177
Event time (k)

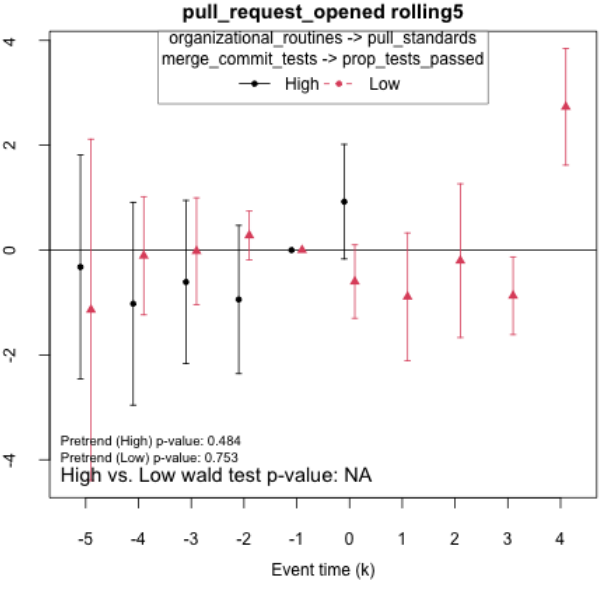

pull_request_merged rolling5
organizational_routines -> organized_inquiries
pr_template -> has_pr_template
High
Low
Pretrend (High) p-value: 0.695
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.000
Event time (k)

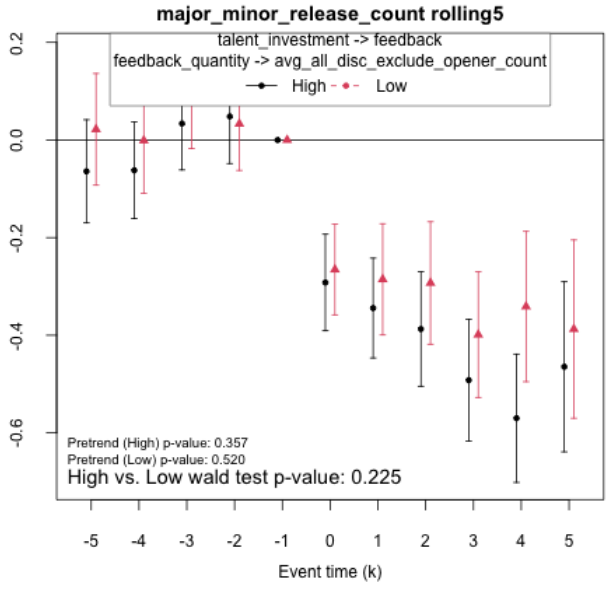

pull_request_opened rolling5
organizational_routines -> organized_inquiries
pr_template -> has_pr_template
High
Low
Pretrend (High) p-value: 0.607
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.000
Event time (k)

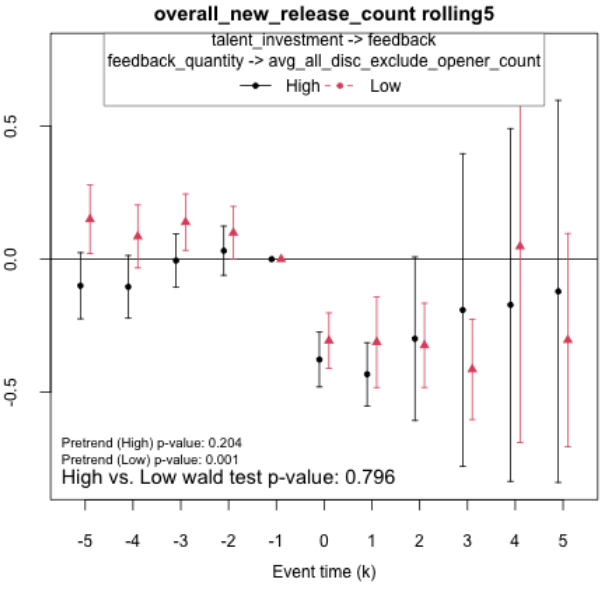

major_minor_release_count rolling5
organizational_routines -> pull_standards
merge_commit_tests -> prop_tests_passed
High
Low
Pretrend (High) p-value: 0.736
Pretrend (Low) p-value: 0.795
High vs. Low wald test p-value: NA
Event time (k)

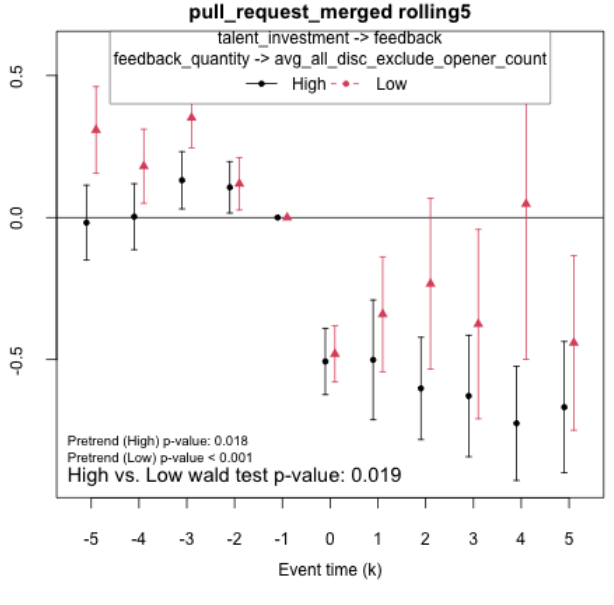

overall_new_release_count rolling5
organizational_routines -> pull_standards
merge_commit_tests -> prop_tests_passed
High
Low
Pretrend (High) p-value: 0.991
Pretrend (Low) p-value: 0.960
High vs. Low wald test p-value: NA
Event time (k)

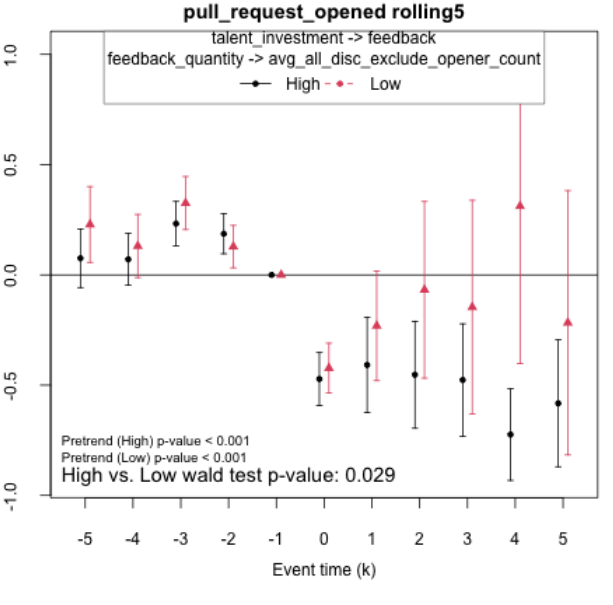

pull_request_merged rolling5
organizational_routines -> pull_standards
merge_commit_tests -> prop_tests_passed
High
Low
Pretrend (High) p-value: 0.878
Pretrend (Low) p-value: 0.847
High vs. Low wald test p-value: NA
Event time (k)

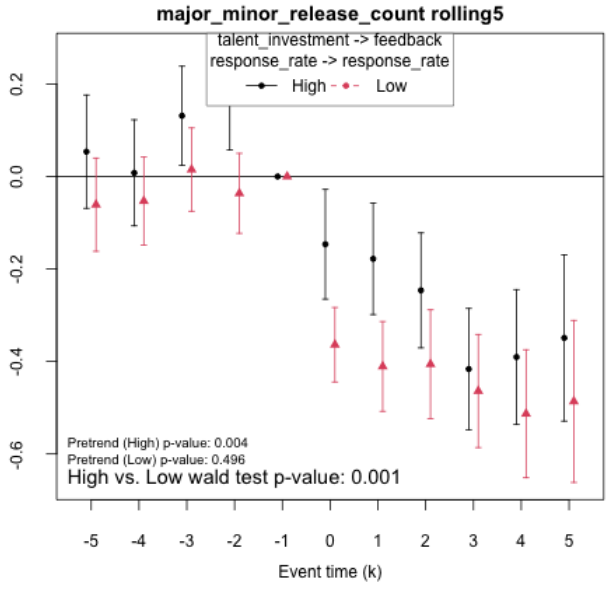

pull_request_opened rolling5
organizational_routines -> pull_standards
merge_commit_tests -> prop_tests_passed
High
Low
Pretrend (High) p-value: 0.484
Pretrend (Low) p-value: 0.753
High vs. Low wald test p-value: NA
Event time (k)

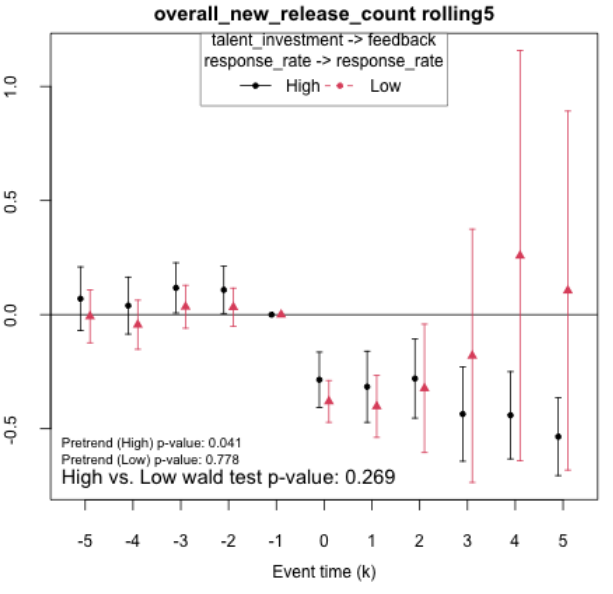

major_minor_release_count rolling5
talent_investment -> feedback
feedback_quantity -> avg_all_disc_exclude_opener_count
High
Low
Pretrend (High) p-value: 0.357
Pretrend (Low) p-value: 0.520
High vs. Low wald test p-value: 0.225
Event time (k)

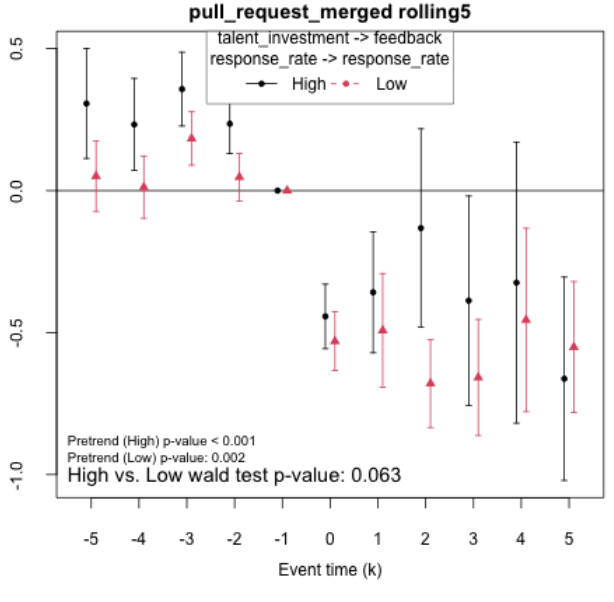

overall_new_release_count rolling5
talent_investment -> feedback
feedback_quantity -> avg_all_disc_exclude_opener_count
High
Low
Pretrend (High) p-value: 0.204
Pretrend (Low) p-value: 0.001
High vs. Low wald test p-value: 0.796
Event time (k)

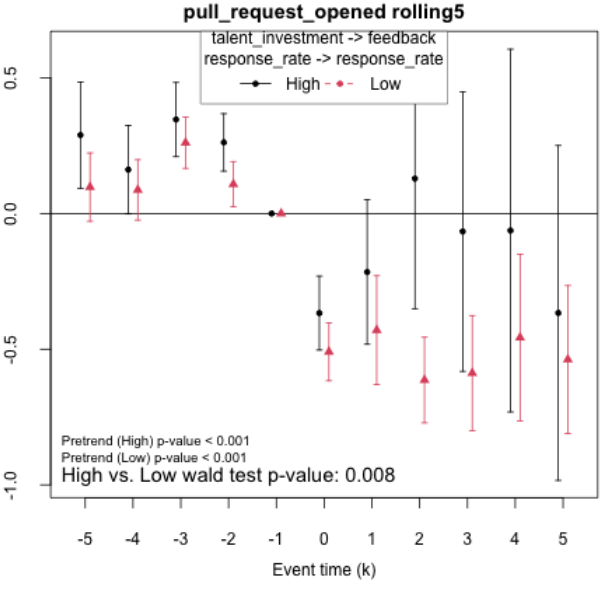

pull_request_merged rolling5
talent_investment -> feedback
feedback_quantity -> avg_all_disc_exclude_opener_count
High
Low
Pretrend (High) p-value: 0.018
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.019
Event time (k)

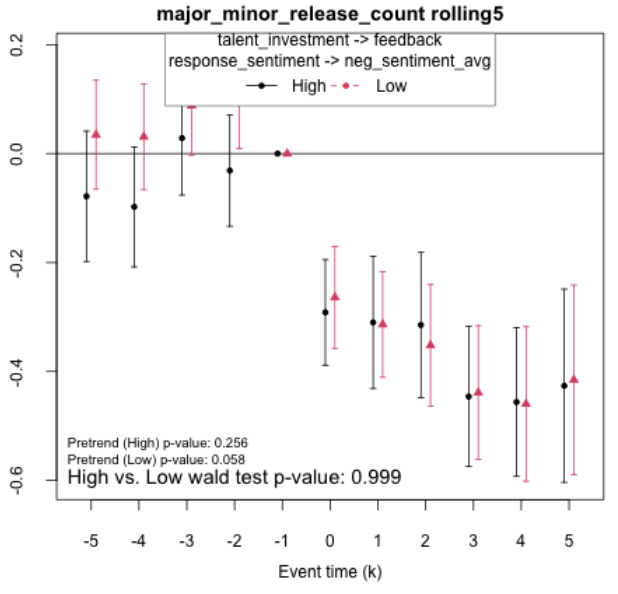

pull_request_opened rolling5
talent_investment -> feedback
feedback_quantity -> avg_all_disc_exclude_opener_count
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.029
Event time (k)

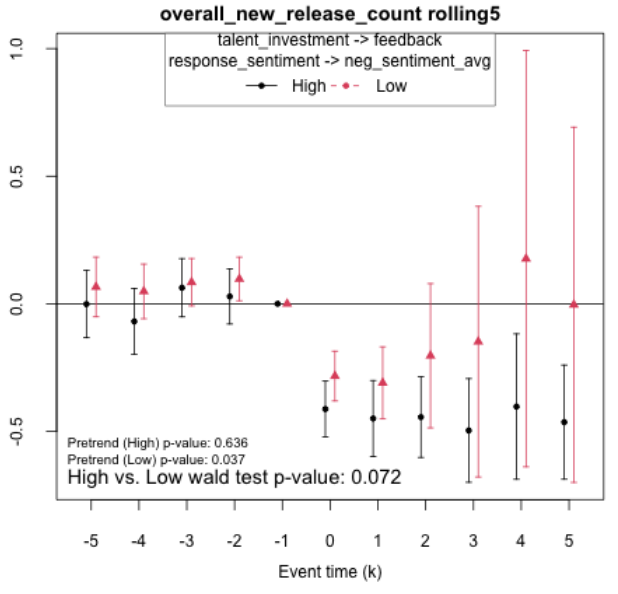

major_minor_release_count rolling5
talent_investment -> feedback
response_rate -> response_rate
High
Low
Pretrend (High) p-value: 0.004
Pretrend (Low) p-value: 0.496
High vs. Low wald test p-value: 0.001
Event time (k)

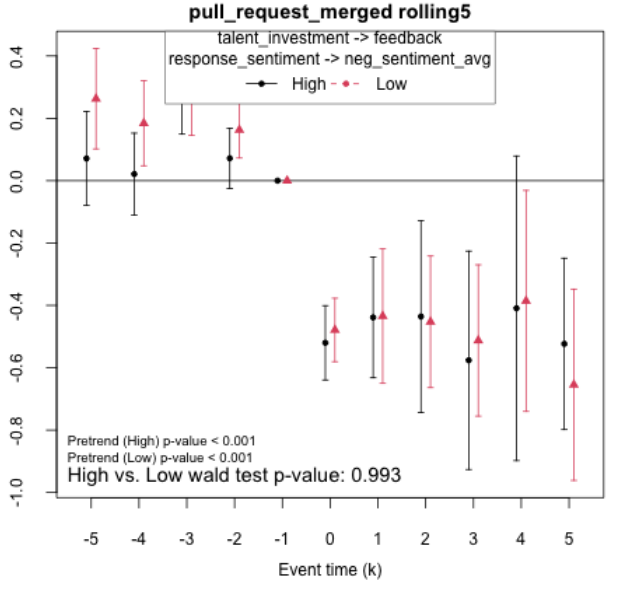

overall_new_release_count rolling5
talent_investment -> feedback
response_rate -> response_rate
High
Low
Pretrend (High) p-value: 0.041
Pretrend (Low) p-value: 0.778
High vs. Low wald test p-value: 0.269
Event time (k)

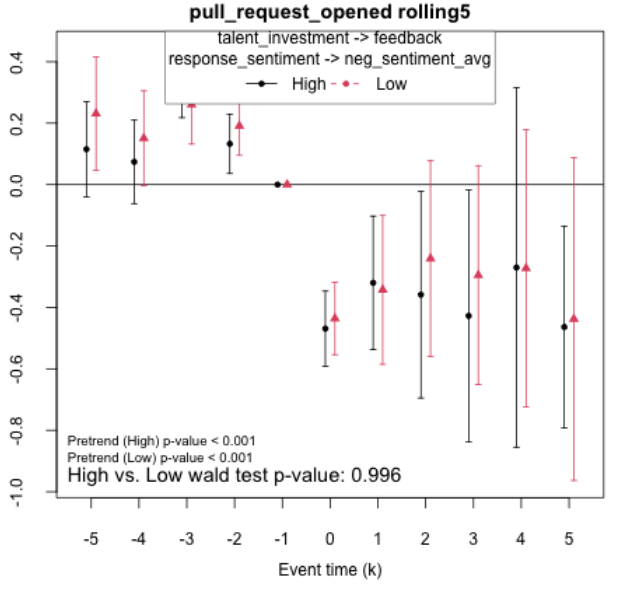

pull_request_merged rolling5
talent_investment -> feedback
response_rate -> response_rate
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.002
High vs. Low wald test p-value: 0.063
Event time (k)

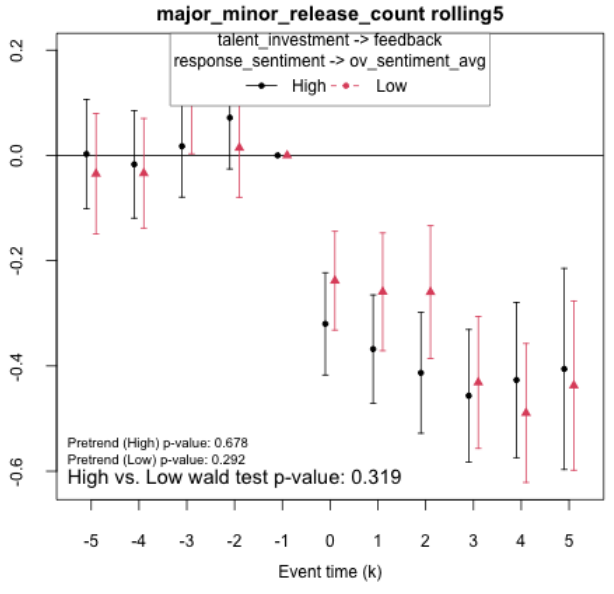

pull_request_opened rolling5
talent_investment -> feedback
response_rate -> response_rate
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.008
Event time (k)

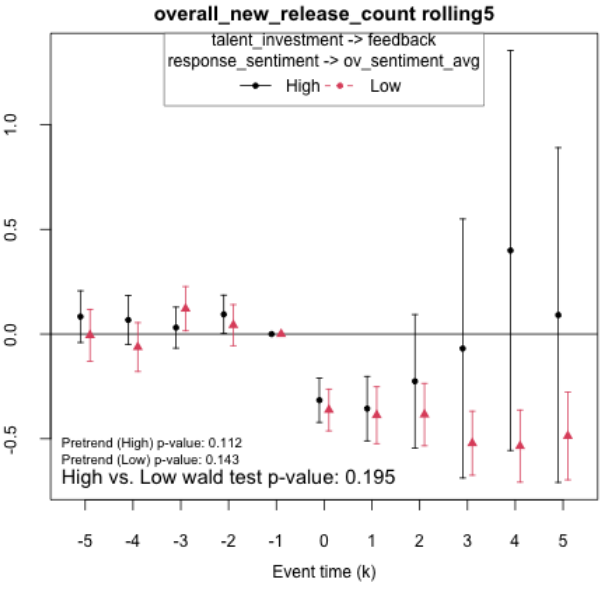

major_minor_release_count rolling5
talent_investment -> feedback
response_sentiment -> neg_sentiment_avg
High
Low
Pretrend (High) p-value: 0.256
Pretrend (Low) p-value: 0.058
High vs. Low wald test p-value: 0.999
Event time (k)

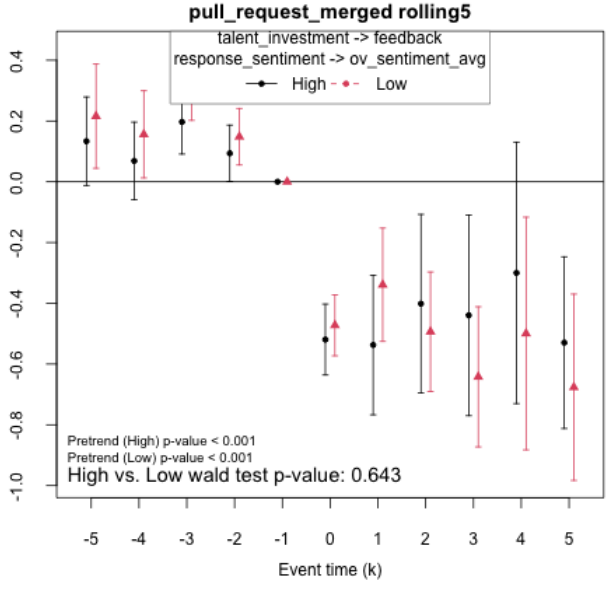

overall_new_release_count rolling5
talent_investment -> feedback
response_sentiment -> neg_sentiment_avg
High
Low
Pretrend (High) p-value: 0.636
Pretrend (Low) p-value: 0.037
High vs. Low wald test p-value: 0.072
Event time (k)

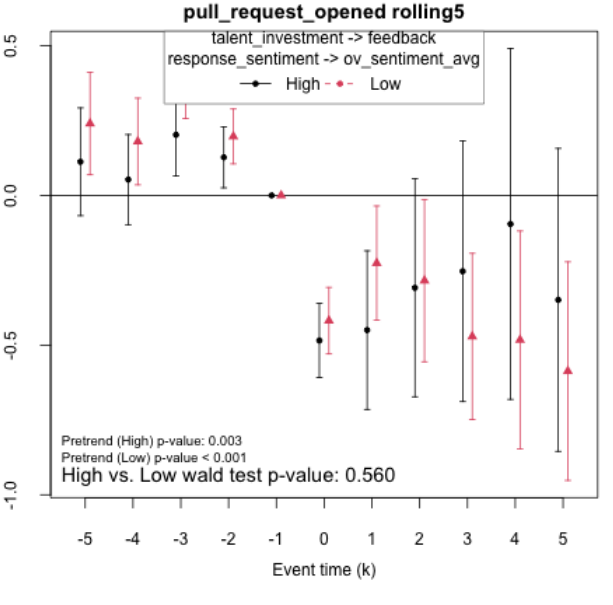

pull_request_merged rolling5
talent_investment -> feedback
response_sentiment -> neg_sentiment_avg
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.993
Event time (k)

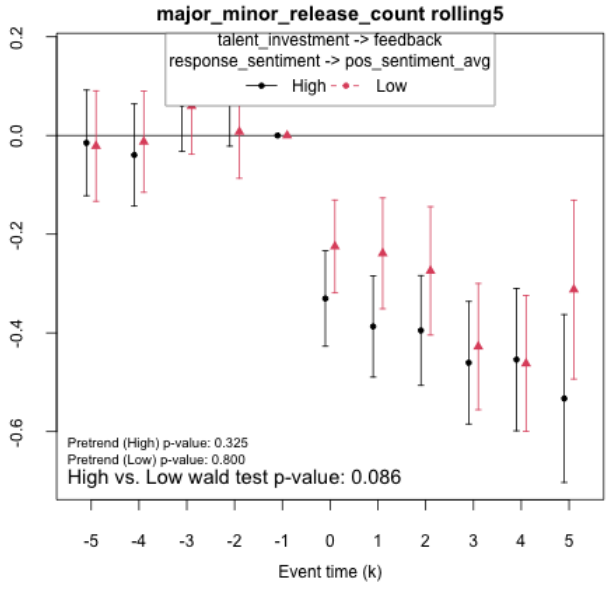

pull_request_opened rolling5
talent_investment -> feedback
response_sentiment -> neg_sentiment_avg
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.996
Event time (k)

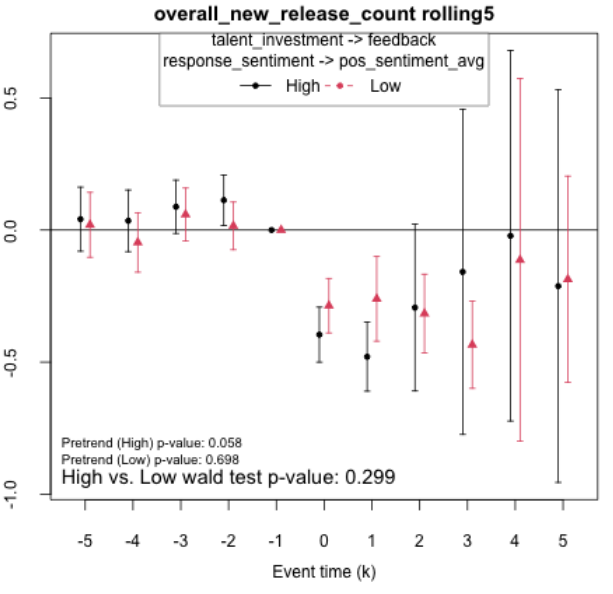

major_minor_release_count rolling5
talent_investment -> feedback
response_sentiment -> ov_sentiment_avg
High
Low
Pretrend (High) p-value: 0.678
Pretrend (Low) p-value: 0.292
High vs. Low wald test p-value: 0.319
Event time (k)

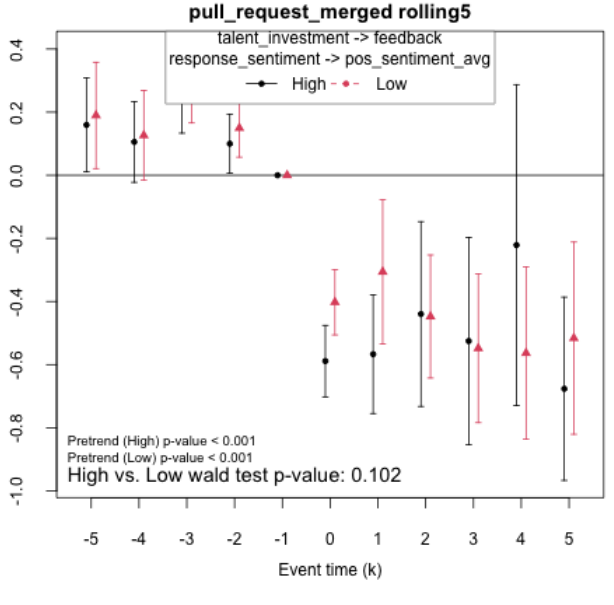

overall_new_release_count rolling5
talent_investment -> feedback
response_sentiment -> ov_sentiment_avg
High
Low
Pretrend (High) p-value: 0.112
Pretrend (Low) p-value: 0.143
High vs. Low wald test p-value: 0.195
Event time (k)

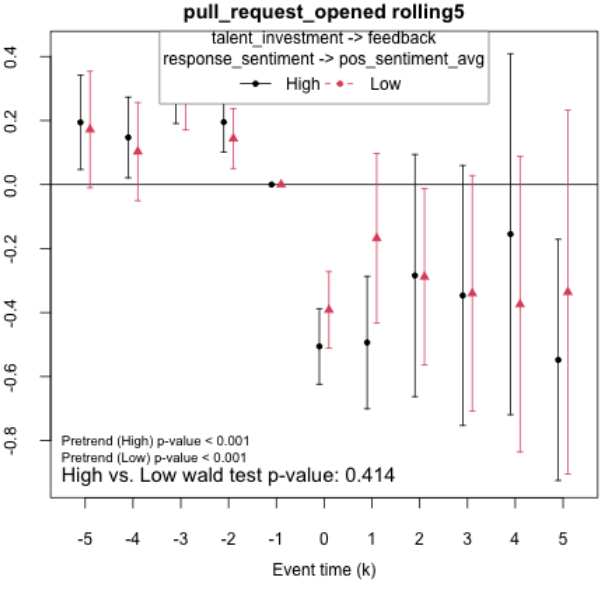

pull_request_merged rolling5
talent_investment -> feedback
response_sentiment -> ov_sentiment_avg
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.643
Event time (k)

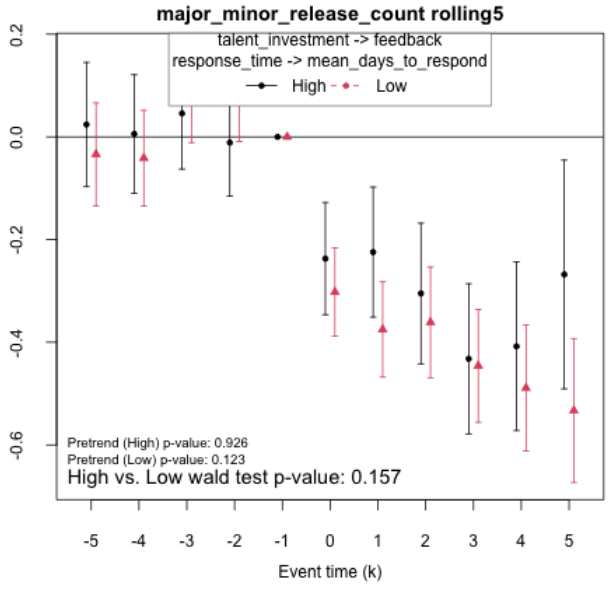

pull_request_opened rolling5
talent_investment -> feedback
response_sentiment -> ov_sentiment_avg
High
Low
Pretrend (High) p-value: 0.003
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.560
Event time (k)

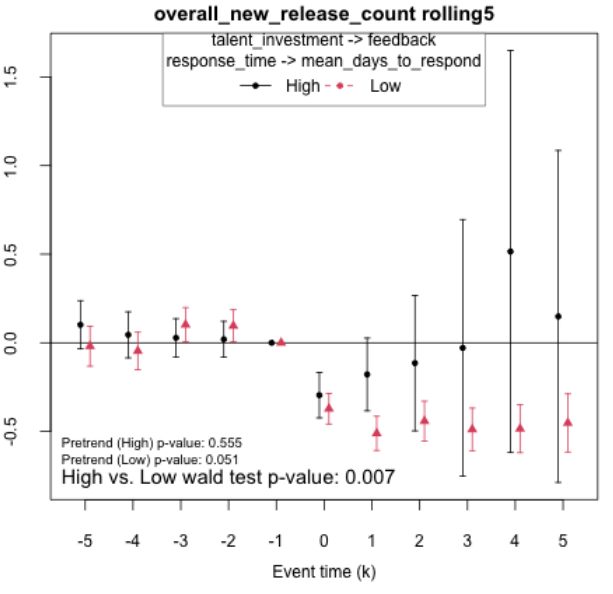

major_minor_release_count rolling5
talent_investment -> feedback
response_sentiment -> pos_sentiment_avg
High
Low
Pretrend (High) p-value: 0.325
Pretrend (Low) p-value: 0.800
High vs. Low wald test p-value: 0.086
Event time (k)

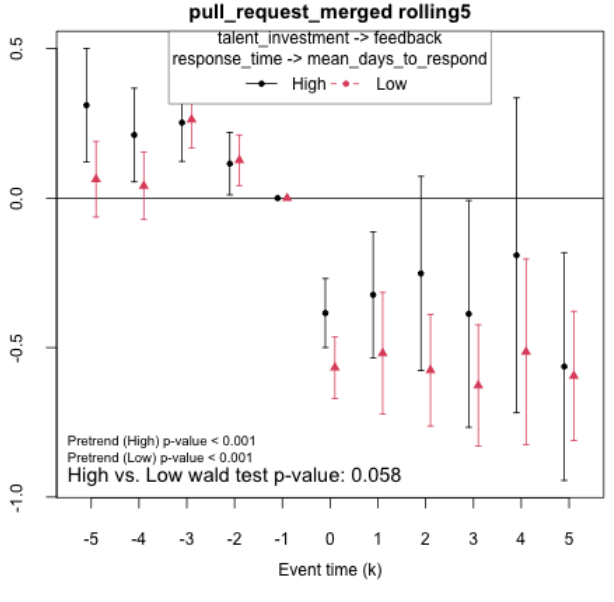

overall_new_release_count rolling5
talent_investment -> feedback
response_sentiment -> pos_sentiment_avg
High
Low
Pretrend (High) p-value: 0.058
Pretrend (Low) p-value: 0.698
High vs. Low wald test p-value: 0.299
Event time (k)

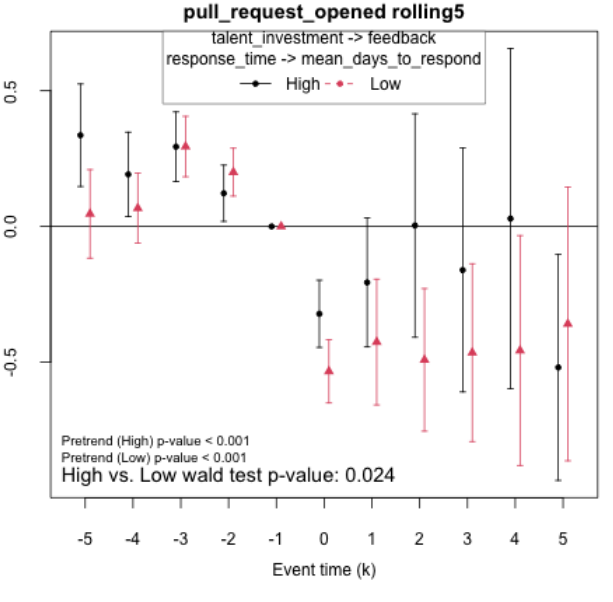

pull_request_merged rolling5
talent_investment -> feedback
response_sentiment -> pos_sentiment_avg
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.102
Event time (k)

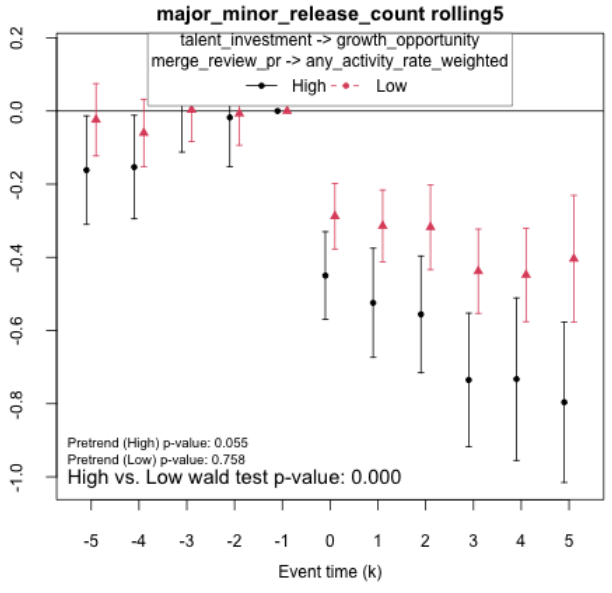

pull_request_opened rolling5
talent_investment -> feedback
response_sentiment -> pos_sentiment_avg
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.414
Event time (k)

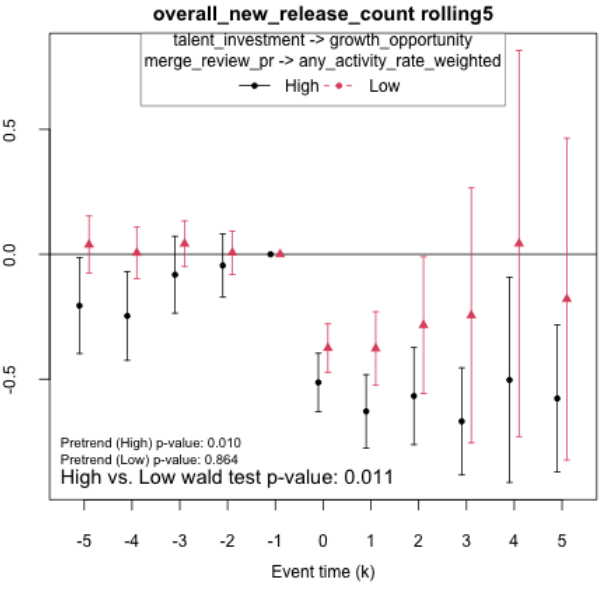

major_minor_release_count rolling5
talent_investment -> feedback
response_time -> mean_days_to_respond
High
Low
Pretrend (High) p-value: 0.926
Pretrend (Low) p-value: 0.123
High vs. Low wald test p-value: 0.157
Event time (k)

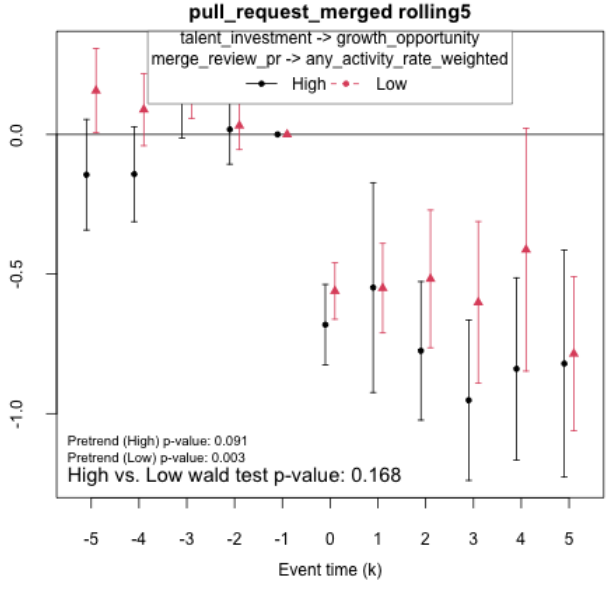

overall_new_release_count rolling5
talent_investment -> feedback
response_time -> mean_days_to_respond
High
Low
Pretrend (High) p-value: 0.555
Pretrend (Low) p-value: 0.051
High vs. Low wald test p-value: 0.007
Event time (k)

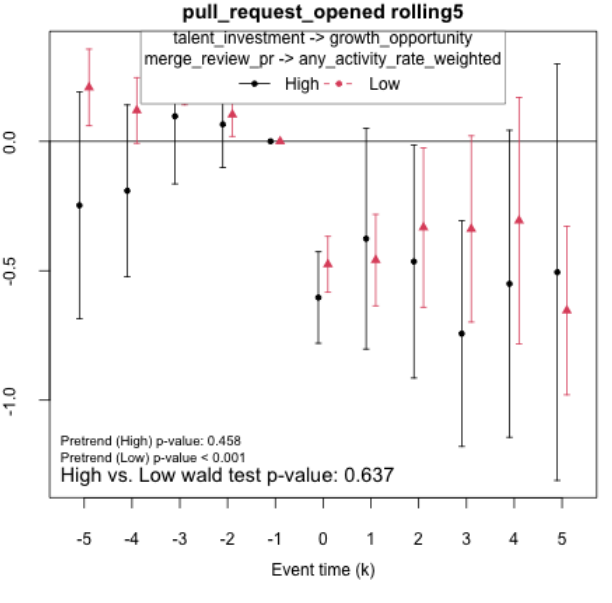

pull_request_merged rolling5
talent_investment -> feedback
response_time -> mean_days_to_respond
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.058
Event time (k)

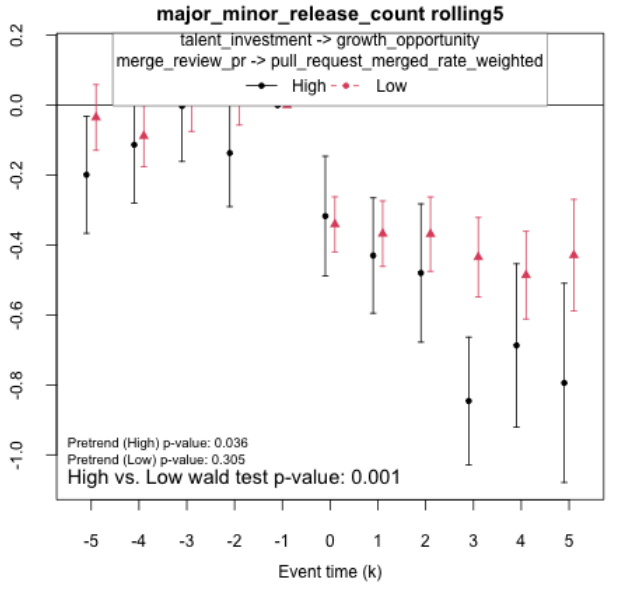

pull_request_opened rolling5
talent_investment -> feedback
response_time -> mean_days_to_respond
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.024
Event time (k)

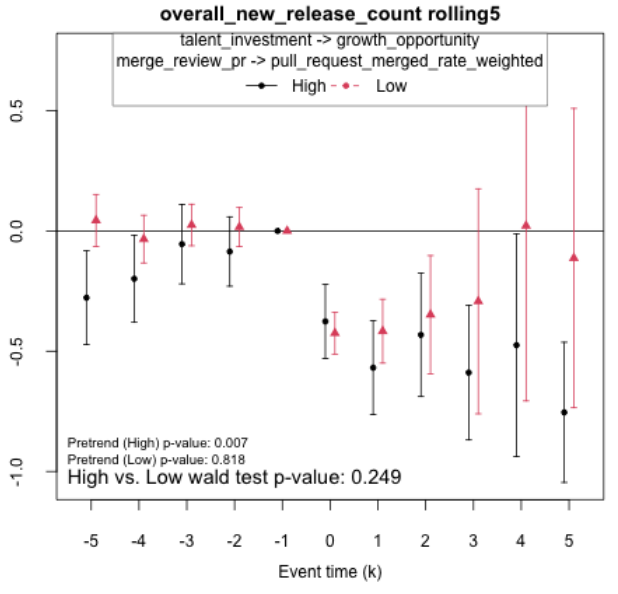

major_minor_release_count rolling5
talent_investment -> growth_opportunity
merge_review_pr -> any_activity_rate_weighted
High
Low
Pretrend (High) p-value: 0.055
Pretrend (Low) p-value: 0.758
High vs. Low wald test p-value: 0.000
Event time (k)

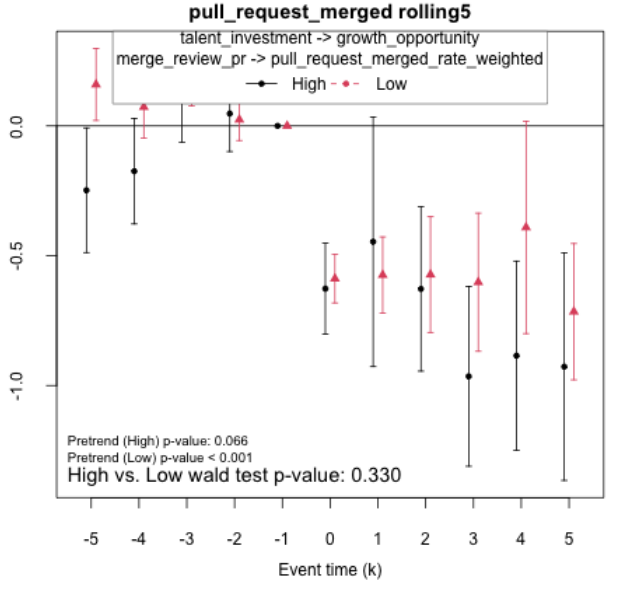

overall_new_release_count rolling5
talent_investment -> growth_opportunity
merge_review_pr -> any_activity_rate_weighted
High
Low
Pretrend (High) p-value: 0.010
Pretrend (Low) p-value: 0.864
High vs. Low wald test p-value: 0.011
Event time (k)

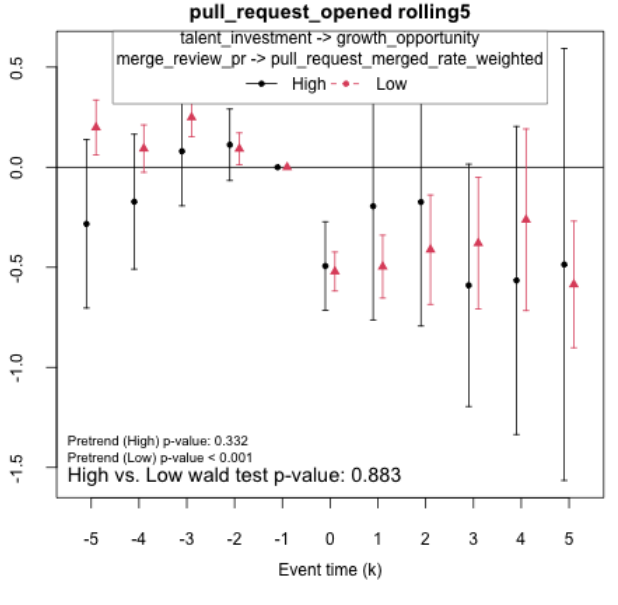

pull_request_merged rolling5
talent_investment -> growth_opportunity
merge_review_pr -> any_activity_rate_weighted
High
Low
Pretrend (High) p-value: 0.091
Pretrend (Low) p-value: 0.003
High vs. Low wald test p-value: 0.168
Event time (k)

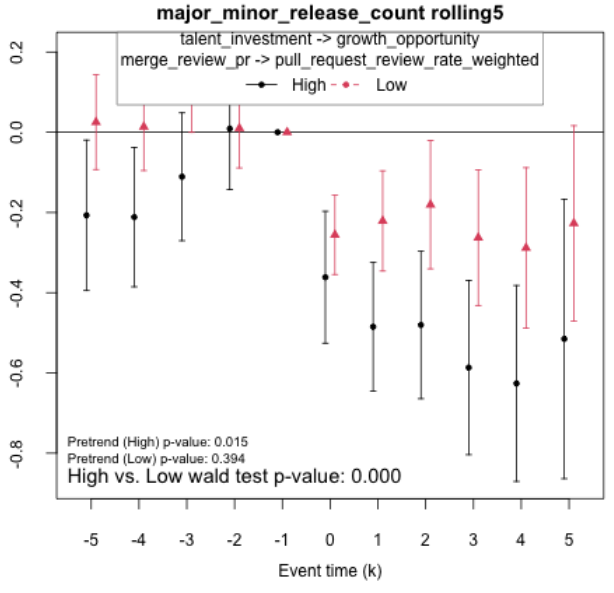

pull_request_opened rolling5
talent_investment -> growth_opportunity
merge_review_pr -> any_activity_rate_weighted
High
Low
Pretrend (High) p-value: 0.458
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.637
Event time (k)

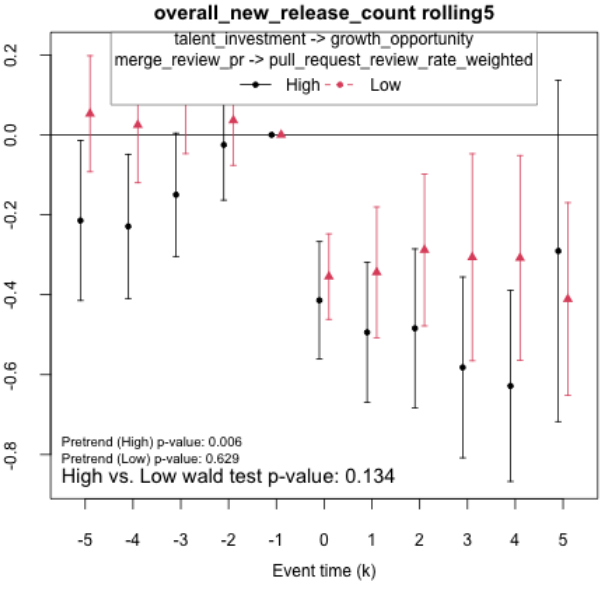

major_minor_release_count rolling5
talent_investment -> growth_opportunity
merge_review_pr -> pull_request_merged_rate_weighted
High
Low
Pretrend (High) p-value: 0.036
Pretrend (Low) p-value: 0.305
High vs. Low wald test p-value: 0.001
Event time (k)

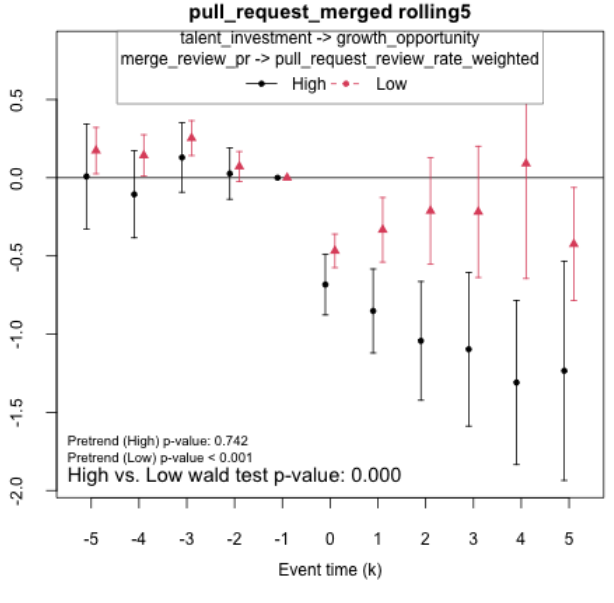

overall_new_release_count rolling5
talent_investment -> growth_opportunity
merge_review_pr -> pull_request_merged_rate_weighted
High
Low
Pretrend (High) p-value: 0.007
Pretrend (Low) p-value: 0.818
High vs. Low wald test p-value: 0.249
Event time (k)

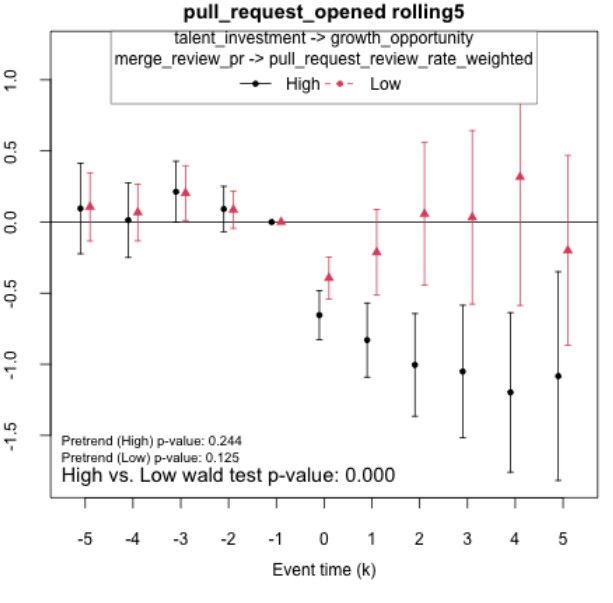

pull_request_merged rolling5
talent_investment -> growth_opportunity
merge_review_pr -> pull_request_merged_rate_weighted
High
Low
Pretrend (High) p-value: 0.066
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.330
Event time (k)

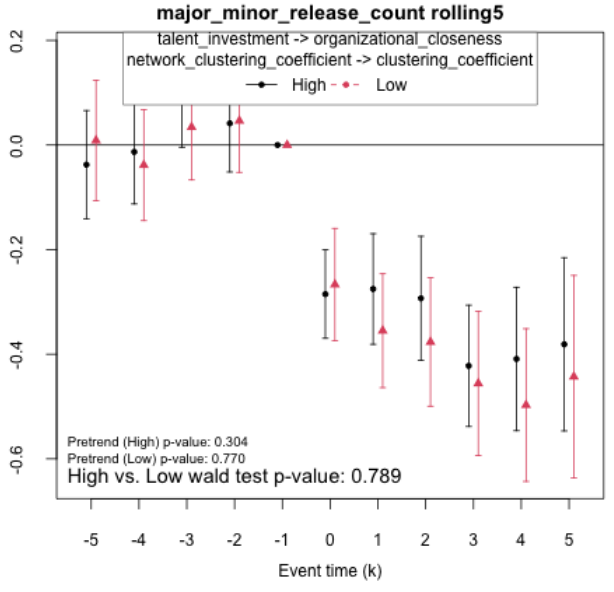

pull_request_opened rolling5
talent_investment -> growth_opportunity
merge_review_pr -> pull_request_merged_rate_weighted
High
Low
Pretrend (High) p-value: 0.332
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.883
Event time (k)

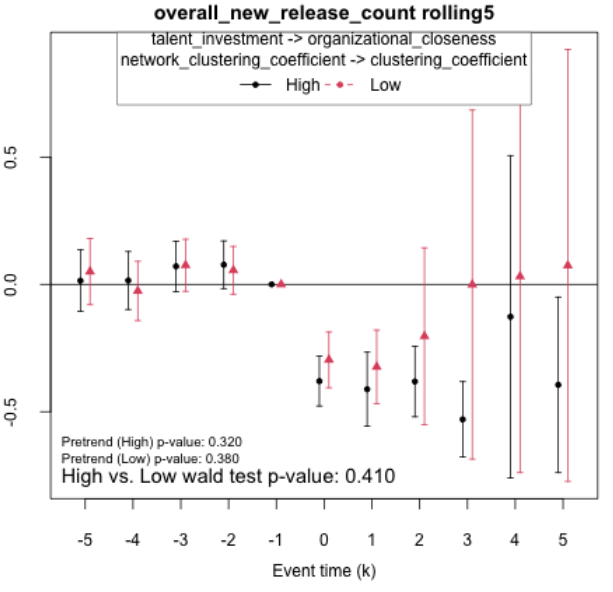

major_minor_release_count rolling5
talent_investment -> growth_opportunity
merge_review_pr -> pull_request_review_rate_weighted
High
Low
Pretrend (High) p-value: 0.015
Pretrend (Low) p-value: 0.394
High vs. Low wald test p-value: 0.000
Event time (k)

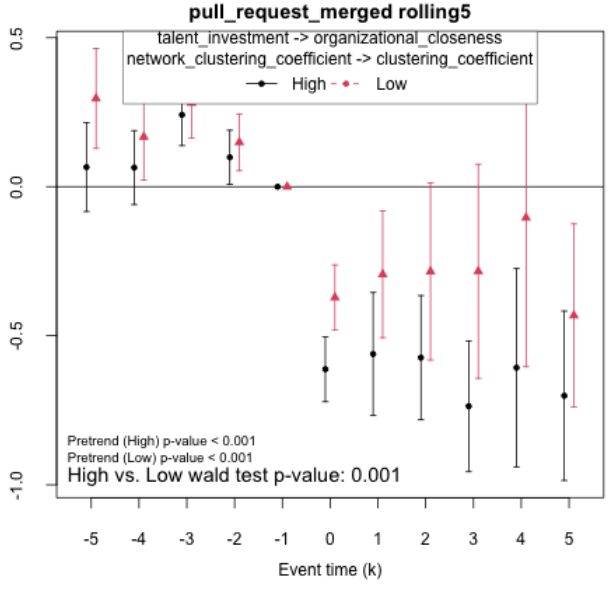

overall_new_release_count rolling5
talent_investment -> growth_opportunity
merge_review_pr -> pull_request_review_rate_weighted
High
Low
Pretrend (High) p-value: 0.006
Pretrend (Low) p-value: 0.629
High vs. Low wald test p-value: 0.134
Event time (k)

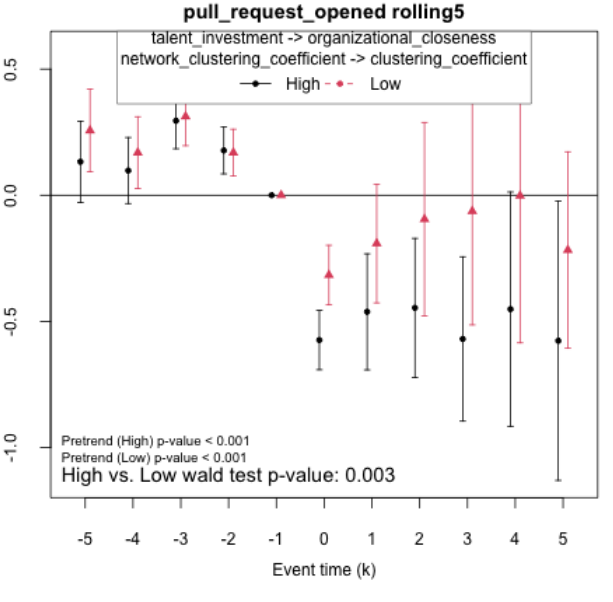

pull_request_merged rolling5
talent_investment -> growth_opportunity
merge_review_pr -> pull_request_review_rate_weighted
High
Low
Pretrend (High) p-value: 0.742
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.000
Event time (k)


pull_request_opened rolling5
talent_investment -> growth_opportunity
merge_review_pr -> pull_request_review_rate_weighted
High
Low
Pretrend (High) p-value: 0.244
Pretrend (Low) p-value: 0.125
High vs. Low wald test p-value: 0.000
Event time (k)


major_minor_release_count rolling5
talent_investment -> organizational_closeness
network_clustering_coefficient -> clustering_coefficient
High
Low
Pretrend (High) p-value: 0.304
Pretrend (Low) p-value: 0.770
High vs. Low wald test p-value: 0.789
Event time (k)


overall_new_release_count rolling5
talent_investment -> organizational_closeness
network_clustering_coefficient -> clustering_coefficient
High
Low
Pretrend (High) p-value: 0.320
Pretrend (Low) p-value: 0.380
High vs. Low wald test p-value: 0.410
Event time (k)


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


pull_request_opened rolling5
talent_investment -> organizational_closeness
network_clustering_coefficient -> clustering_coefficient
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.003
Event time (k)