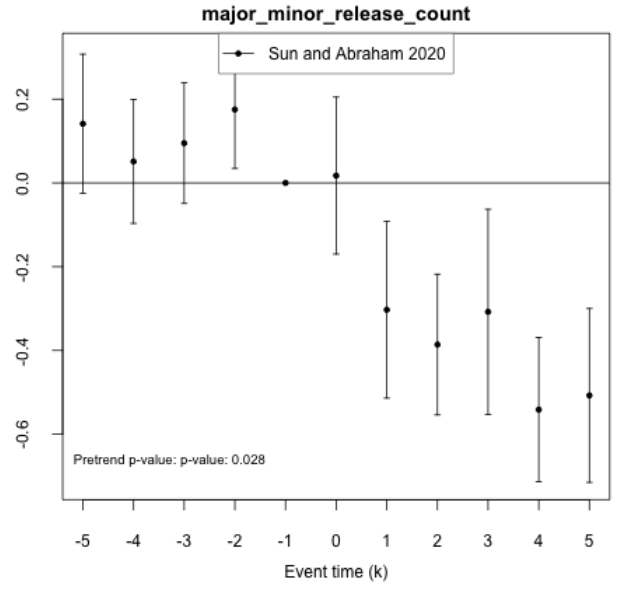
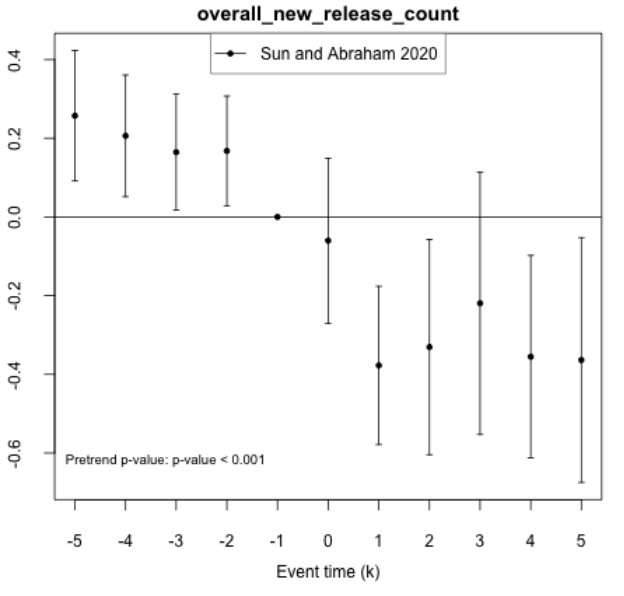
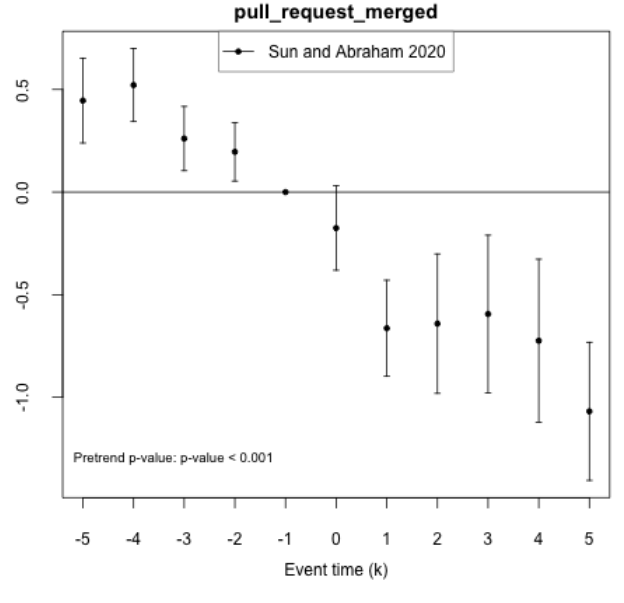
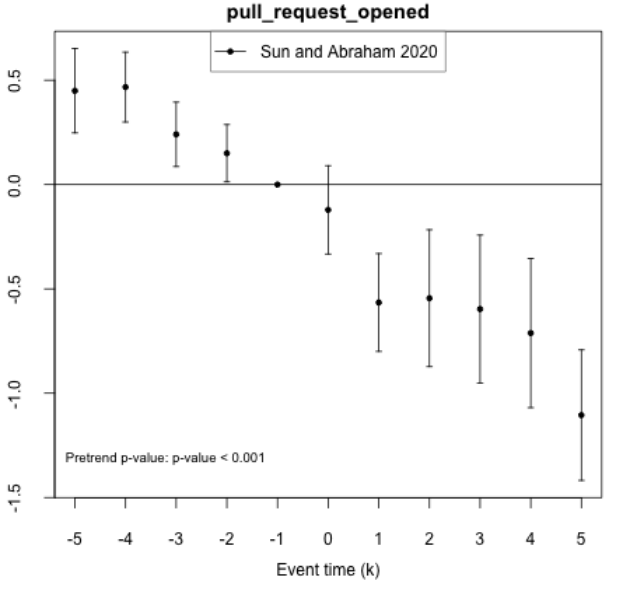
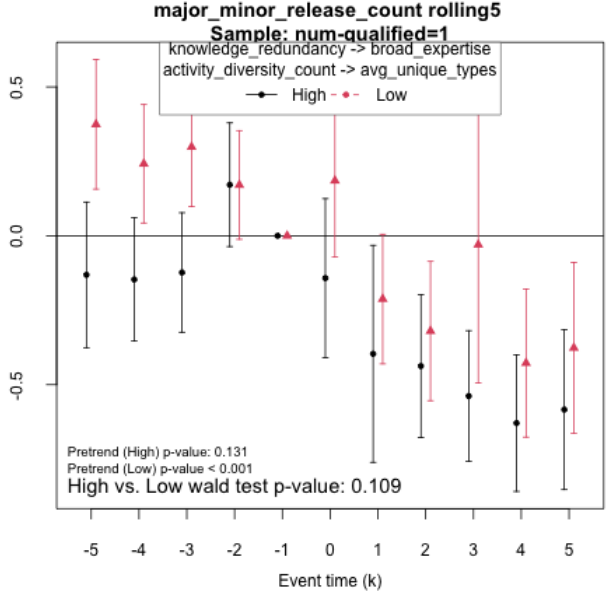
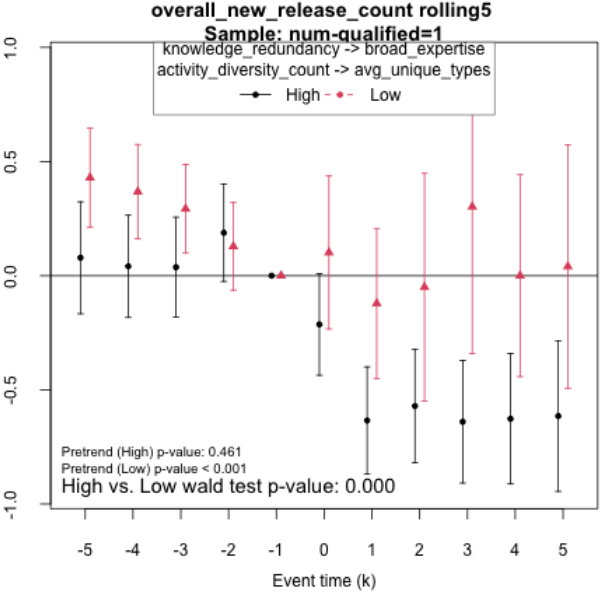

major_minor_release_count
Sun and Abraham 2020
Pretrend p-value: p-value: 0.028
Event time (k)

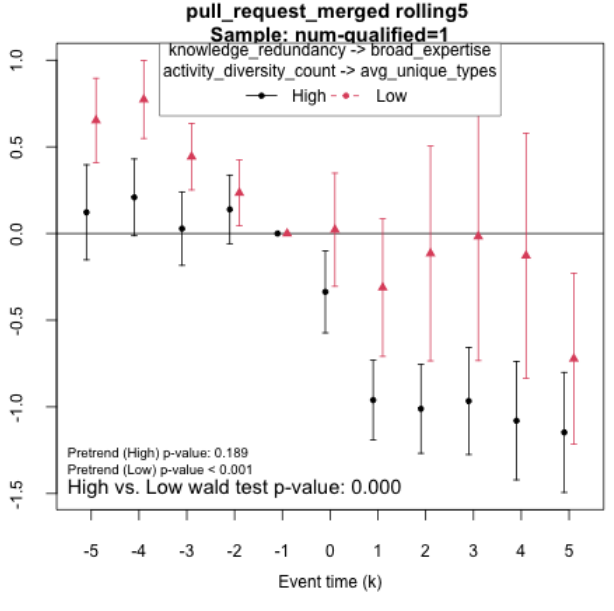

overall_new_release_count
Sun and Abraham 2020
Pretrend p-value: p-value < 0.001
Event time (k)

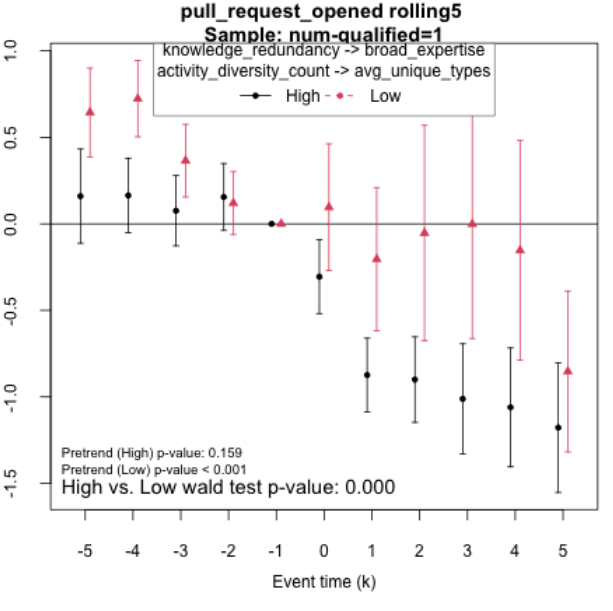

pull_request_merged
Sun and Abraham 2020
Pretrend p-value: p-value < 0.001
Event time (k)

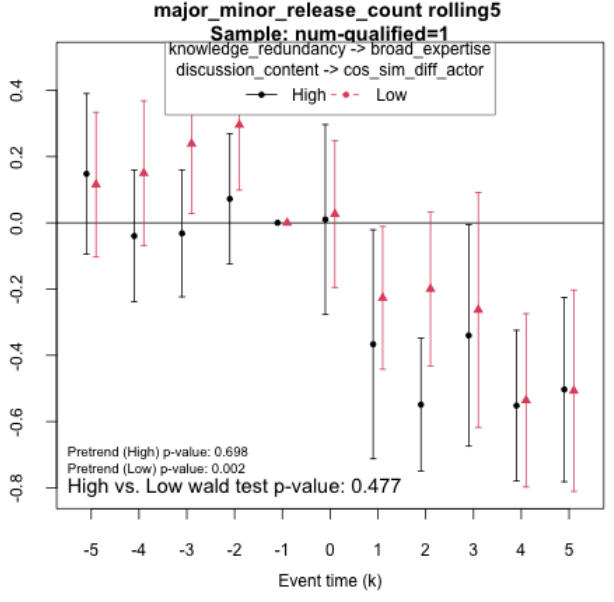

pull_request_opened
Sun and Abraham 2020
Pretrend p-value: p-value < 0.001
Event time (k)

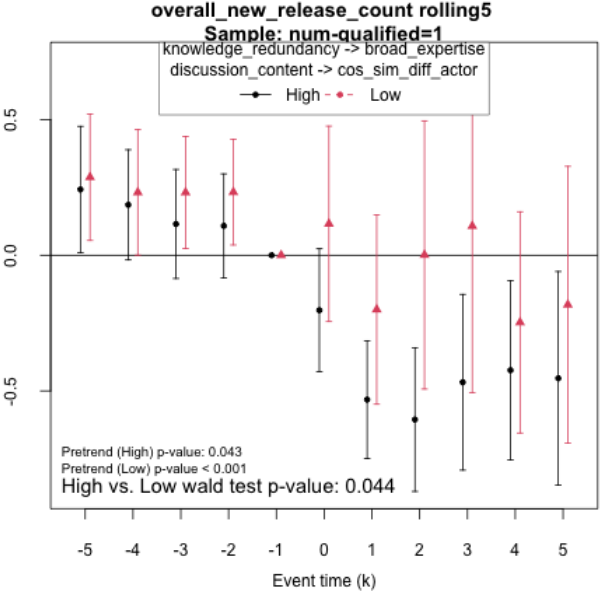

major_minor_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
activity_diversity_count -> avg_unique_types
High
Low
Pretrend (High) p-value: 0.131
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.109
Event time (k)

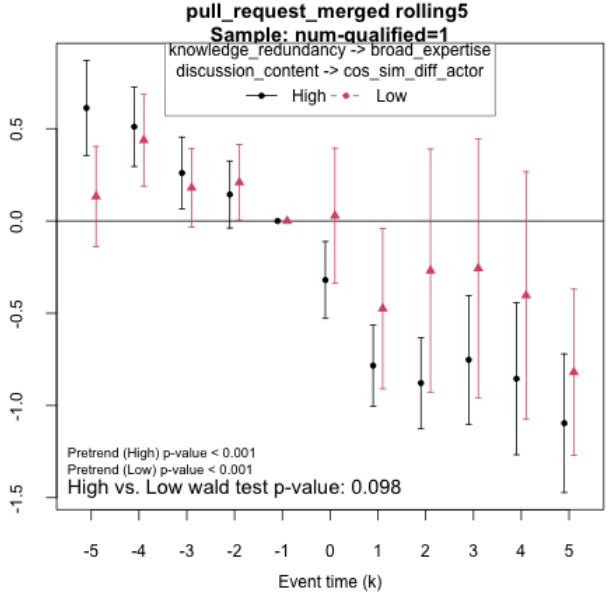

overall_new_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
activity_diversity_count -> avg_unique_types
High
Low
Pretrend (High) p-value: 0.461
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.000
Event time (k)

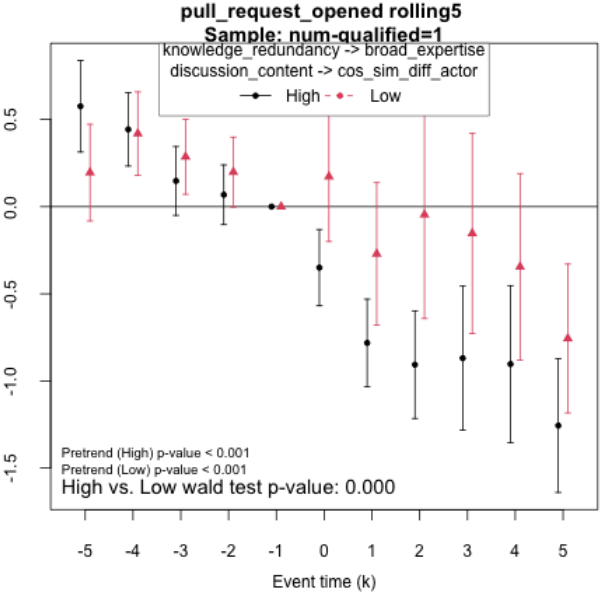

pull_request_merged rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
activity_diversity_count -> avg_unique_types
High
Low
Pretrend (High) p-value: 0.189
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.000
Event time (k)

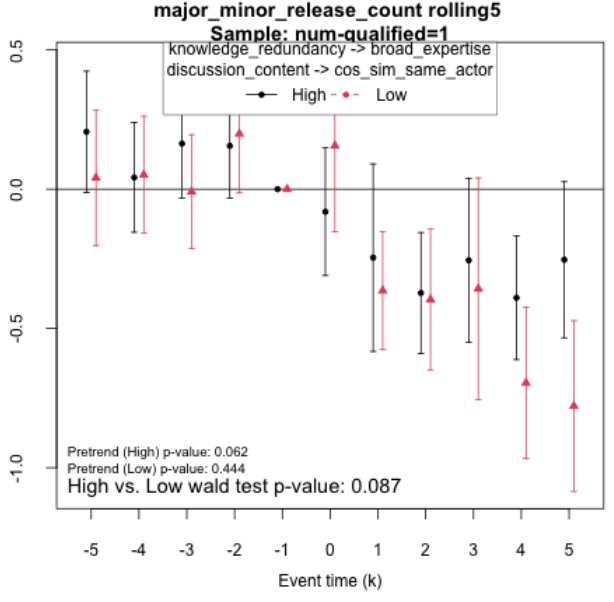

pull_request_opened rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
activity_diversity_count -> avg_unique_types
High
Low
Pretrend (High) p-value: 0.159
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.000
Event time (k)

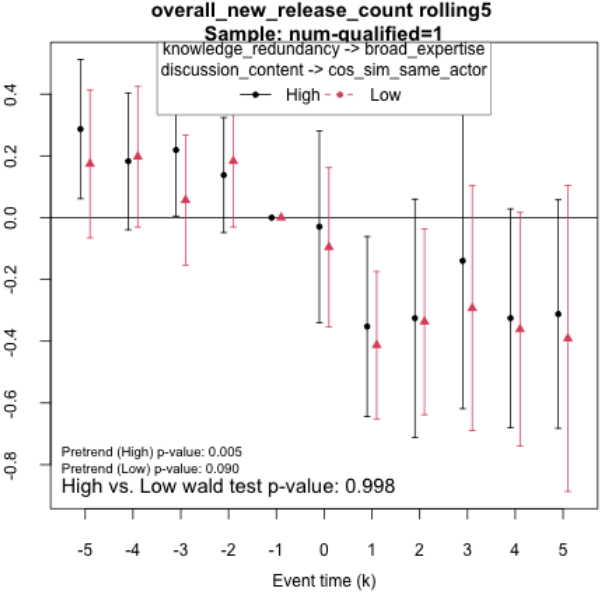

major_minor_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
discussion_content -> cos_sim_diff_actor
High
Low
Pretrend (High) p-value: 0.698
Pretrend (Low) p-value: 0.002
High vs. Low wald test p-value: 0.477
Event time (k)

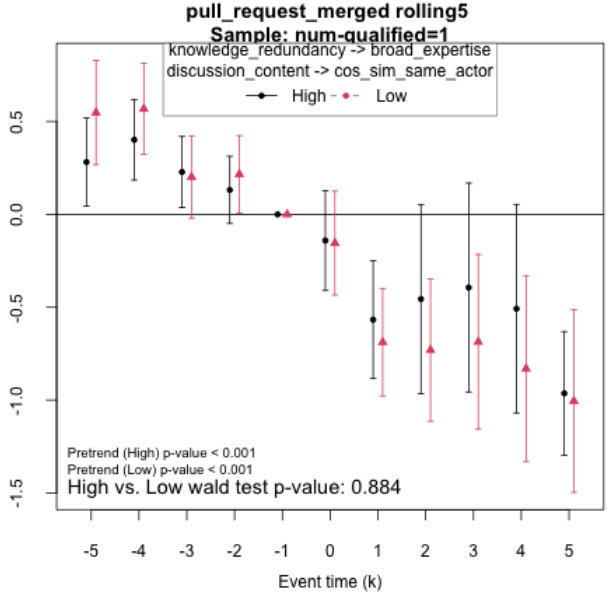

overall_new_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
discussion_content -> cos_sim_diff_actor
High
Low
Pretrend (High) p-value: 0.043
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.044
Event time (k)

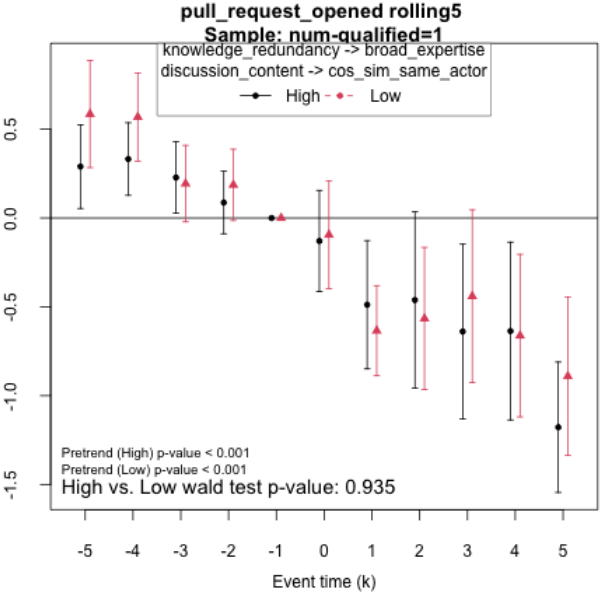

pull_request_merged rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
discussion_content -> cos_sim_diff_actor
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.098
Event time (k)

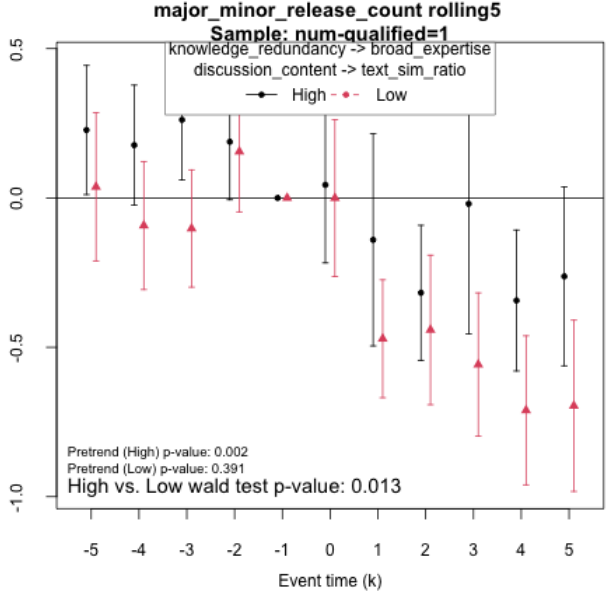

pull_request_opened rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
discussion_content -> cos_sim_diff_actor
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.000
Event time (k)

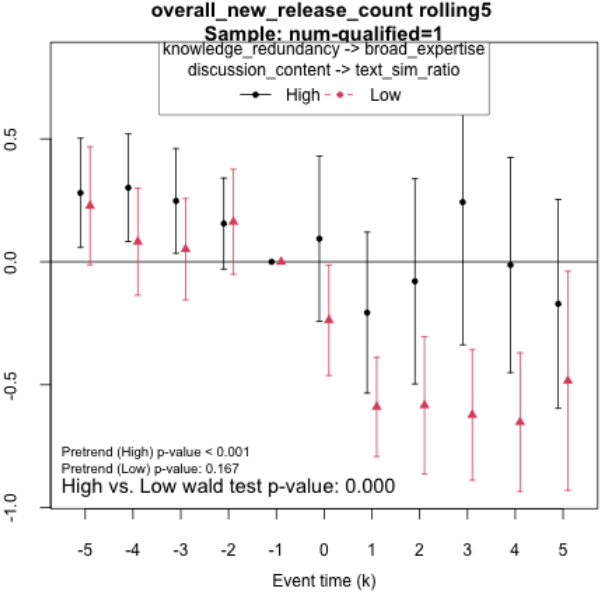

major_minor_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
discussion_content -> cos_sim_same_actor
High
Low
Pretrend (High) p-value: 0.062
Pretrend (Low) p-value: 0.444
High vs. Low wald test p-value: 0.087
Event time (k)

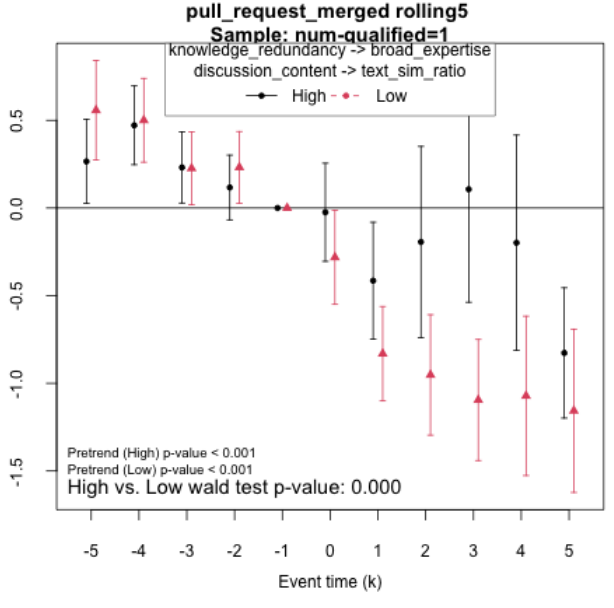

overall_new_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
discussion_content -> cos_sim_same_actor
High
Low
Pretrend (High) p-value: 0.005
Pretrend (Low) p-value: 0.090
High vs. Low wald test p-value: 0.998
Event time (k)

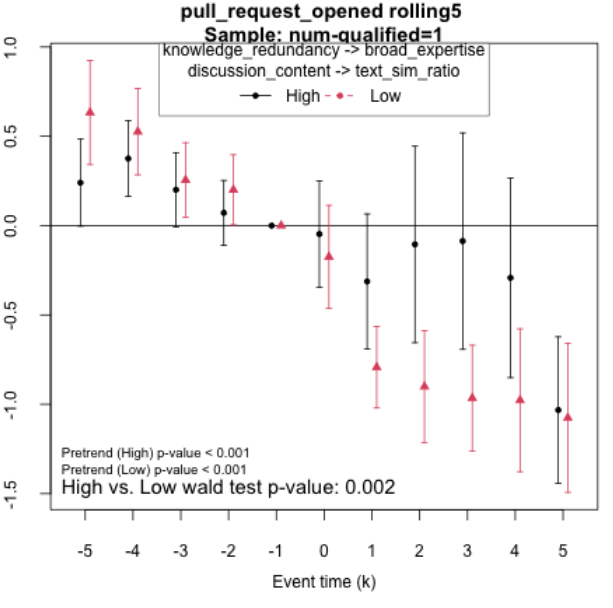

pull_request_merged rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
discussion_content -> cos_sim_same_actor
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.884
Event time (k)

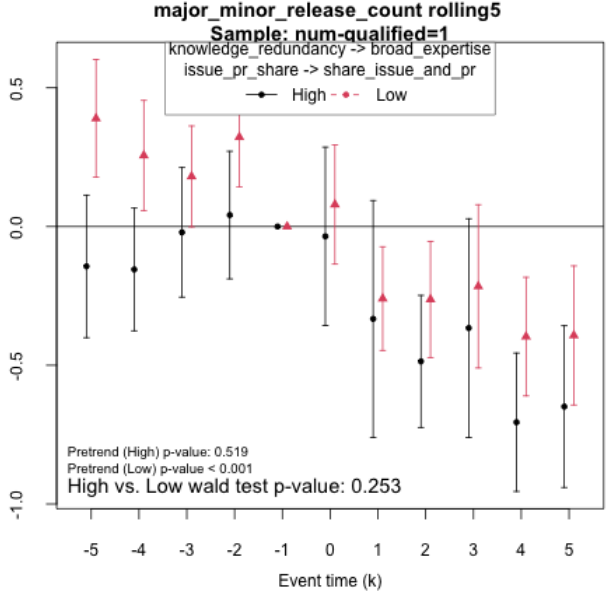

pull_request_opened rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
discussion_content -> cos_sim_same_actor
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.935
Event time (k)

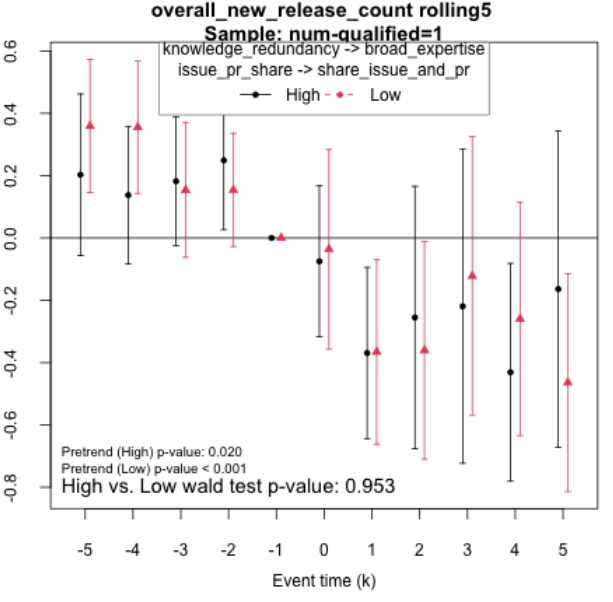

major_minor_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
discussion_content -> text_sim_ratio
High
Low
Pretrend (High) p-value: 0.002
Pretrend (Low) p-value: 0.391
High vs. Low wald test p-value: 0.013
Event time (k)

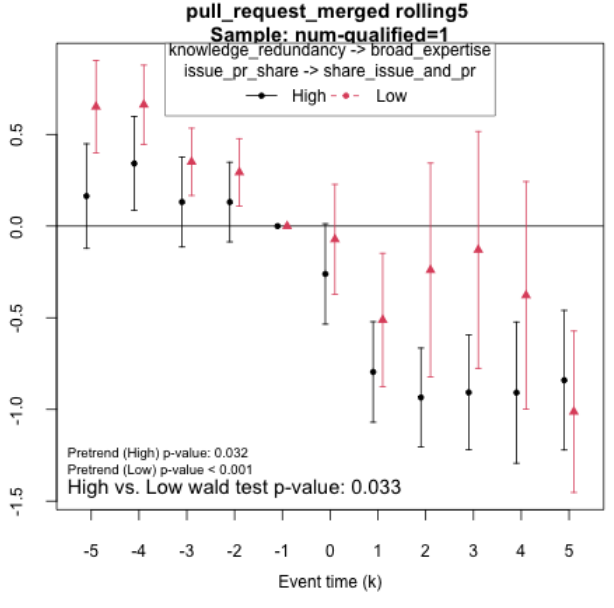

overall_new_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
discussion_content -> text_sim_ratio
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.167
High vs. Low wald test p-value: 0.000
Event time (k)

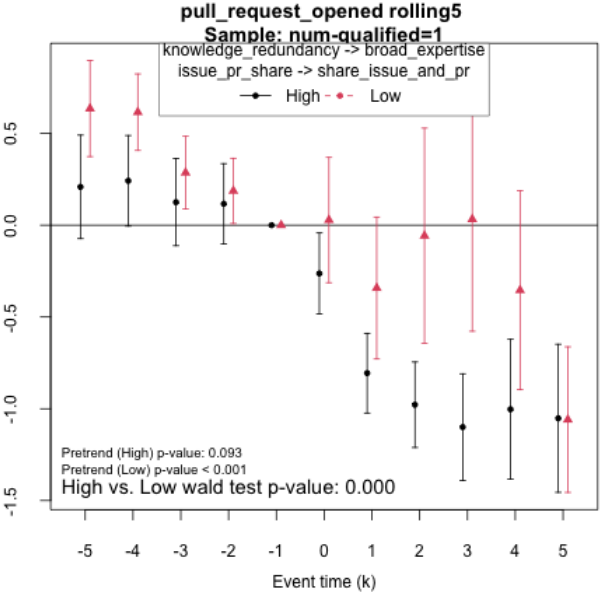

pull_request_merged rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
discussion_content -> text_sim_ratio
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.000
Event time (k)

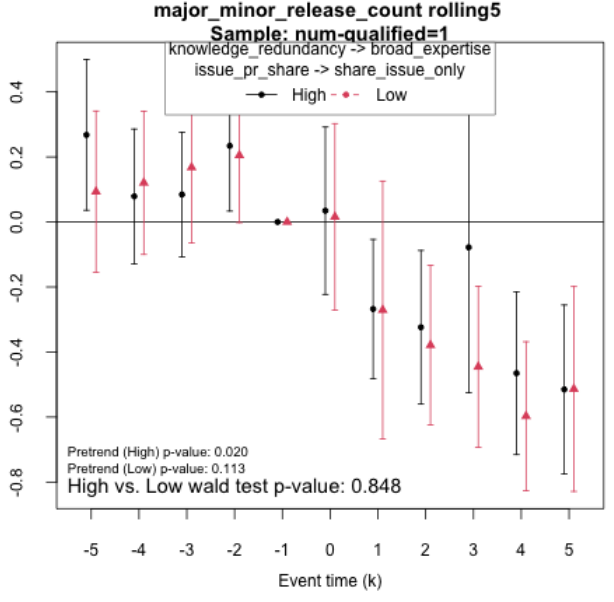

pull_request_opened rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
discussion_content -> text_sim_ratio
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.002
Event time (k)

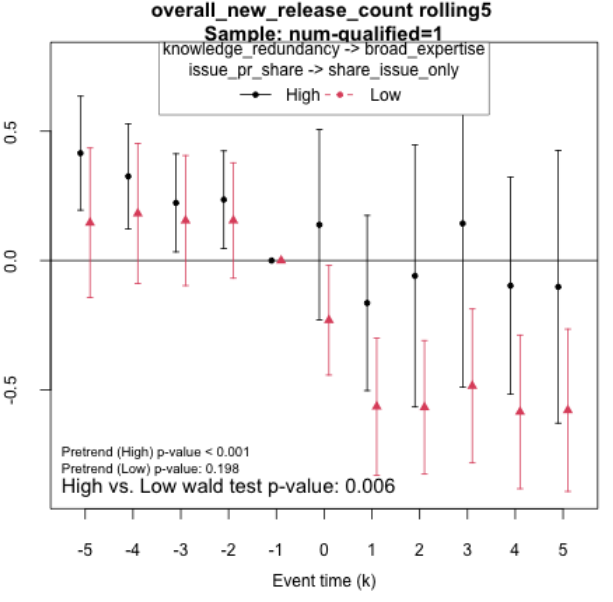

major_minor_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_issue_and_pr
High
Low
Pretrend (High) p-value: 0.519
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.253
Event time (k)

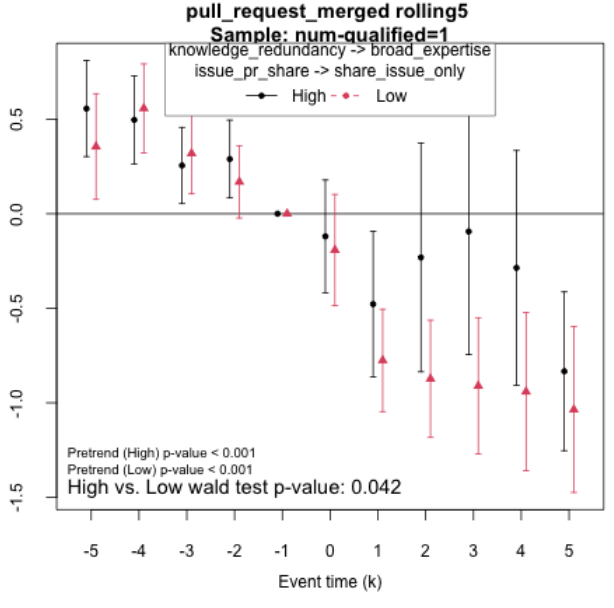

overall_new_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_issue_and_pr
High
Low
Pretrend (High) p-value: 0.020
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.953
Event time (k)

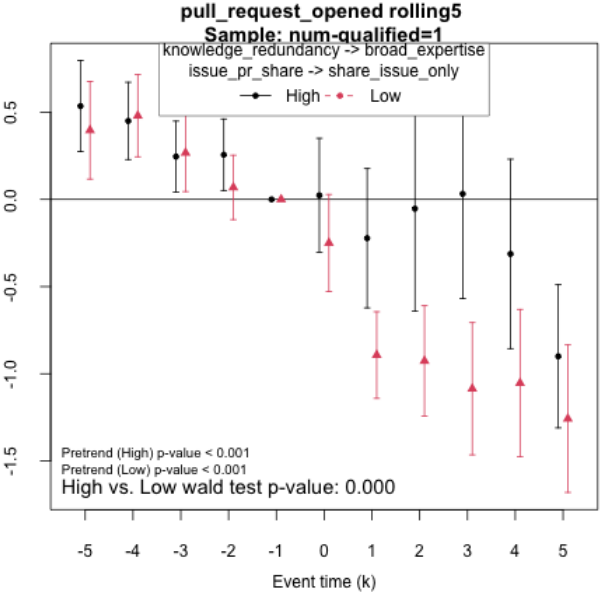

pull_request_merged rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_issue_and_pr
High
Low
Pretrend (High) p-value: 0.032
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.033
Event time (k)

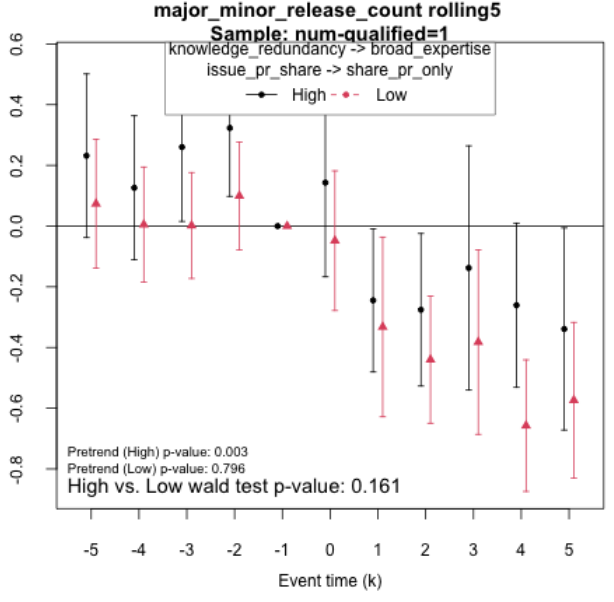

pull_request_opened rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_issue_and_pr
High
Low
Pretrend (High) p-value: 0.093
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.000
Event time (k)

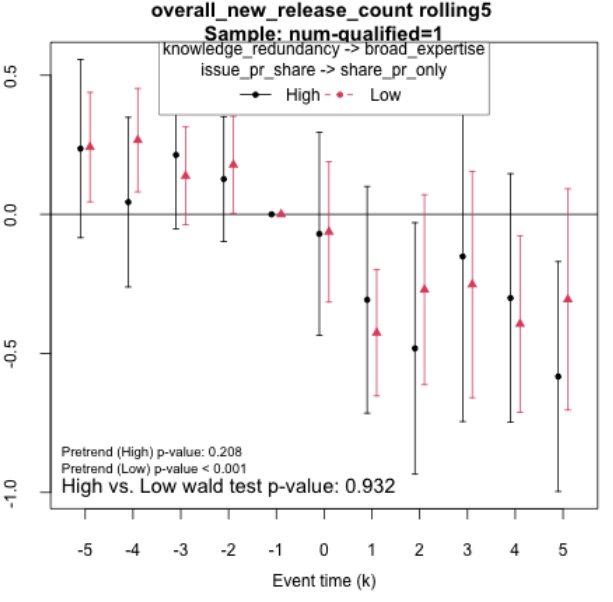

major_minor_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_issue_only
High
Low
Pretrend (High) p-value: 0.020
Pretrend (Low) p-value: 0.113
High vs. Low wald test p-value: 0.848
Event time (k)

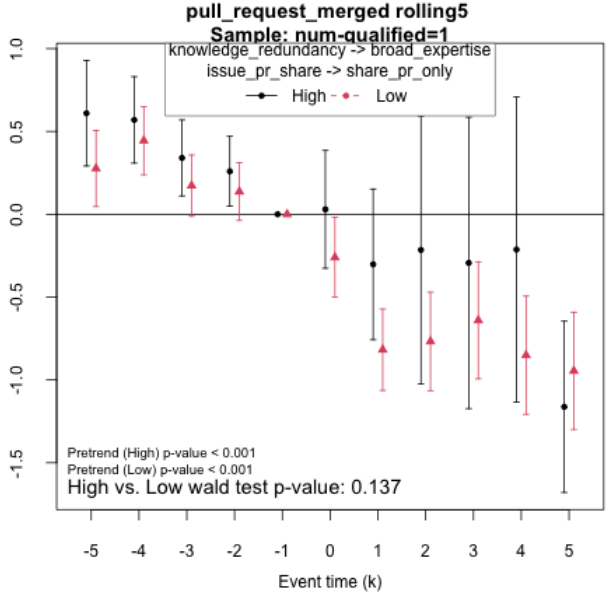

overall_new_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_issue_only
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.198
High vs. Low wald test p-value: 0.006
Event time (k)

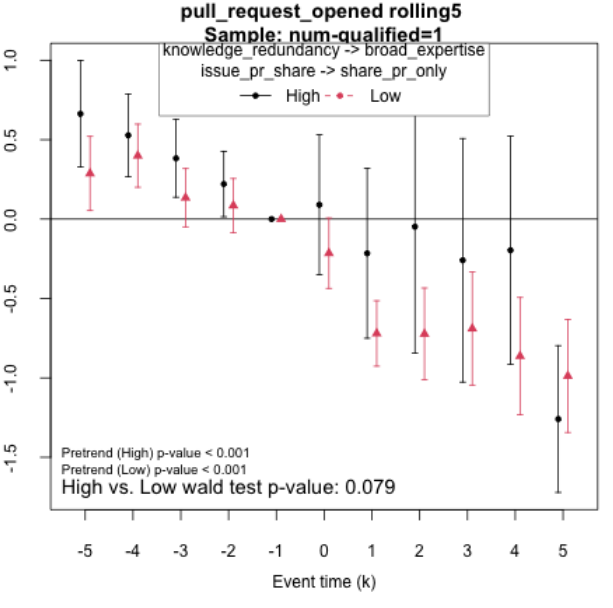

pull_request_merged rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_issue_only
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.042
Event time (k)

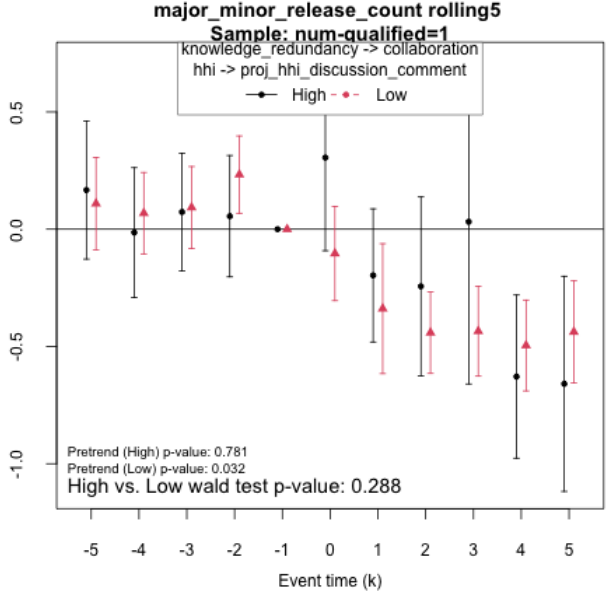

pull_request_opened rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_issue_only
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.000
Event time (k)

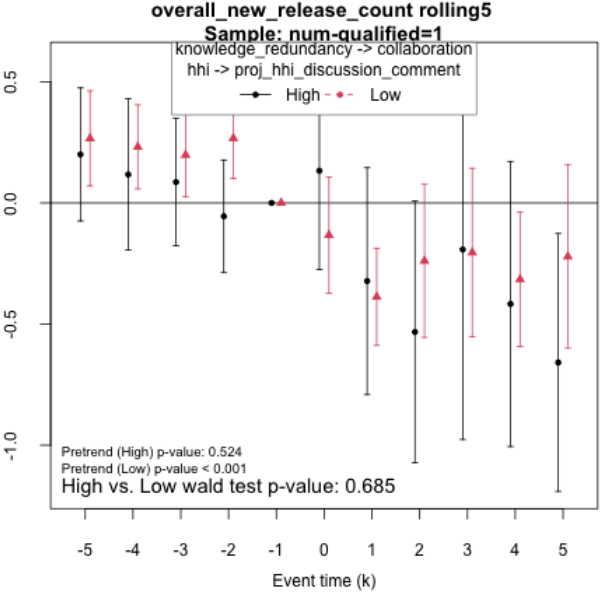

major_minor_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_pr_only
High
Low
Pretrend (High) p-value: 0.003
Pretrend (Low) p-value: 0.796
High vs. Low wald test p-value: 0.161
Event time (k)

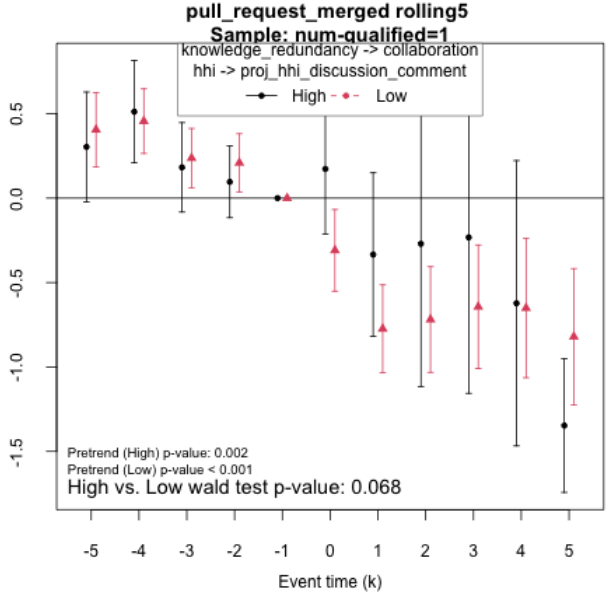

overall_new_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_pr_only
High
Low
Pretrend (High) p-value: 0.208
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.932
Event time (k)

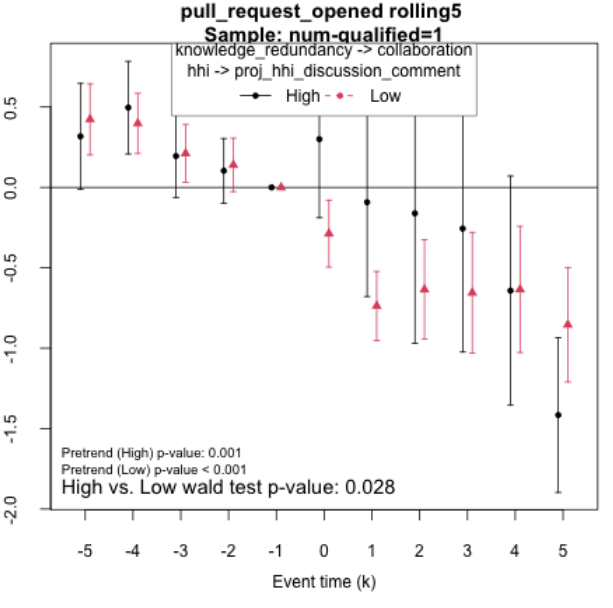

pull_request_merged rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_pr_only
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.137
Event time (k)

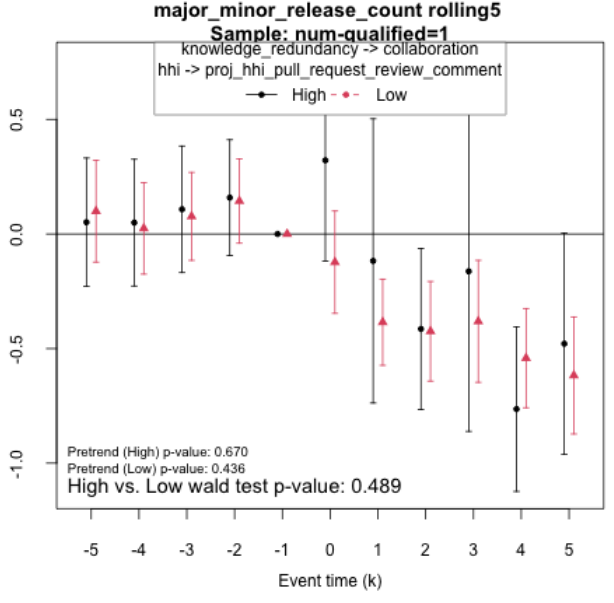

pull_request_opened rolling5
Sample: num-qualified=1
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_pr_only
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.079
Event time (k)

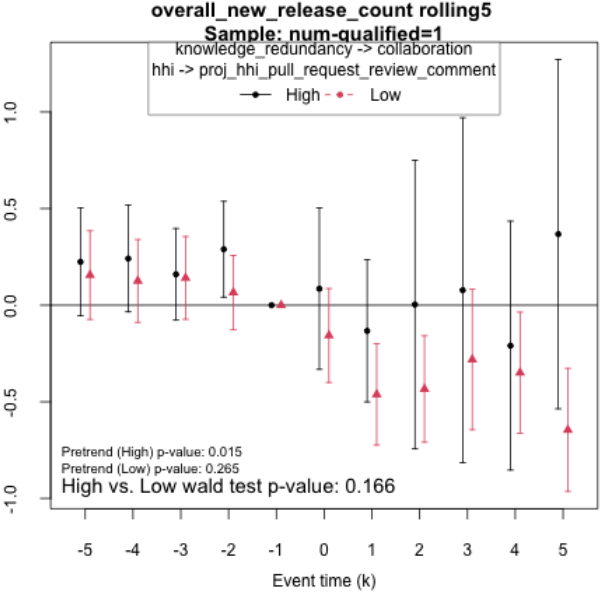

major_minor_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
hhi -> proj_hhi_discussion_comment
High
Low
Pretrend (High) p-value: 0.781
Pretrend (Low) p-value: 0.032
High vs. Low wald test p-value: 0.288
Event time (k)

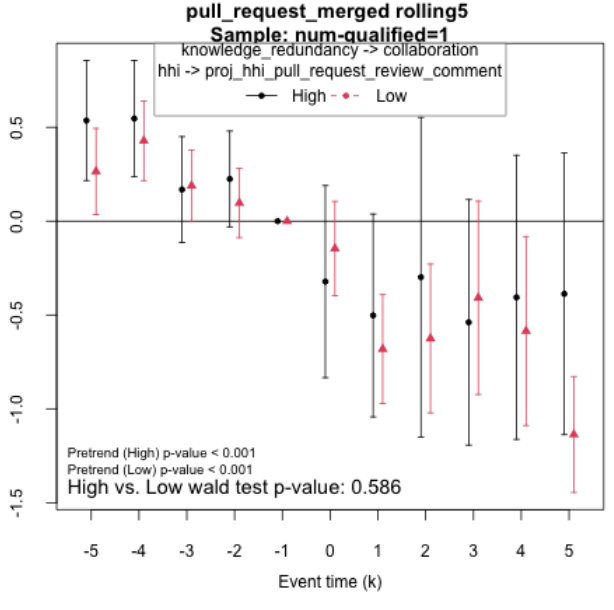

overall_new_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
hhi -> proj_hhi_discussion_comment
High
Low
Pretrend (High) p-value: 0.524
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.685
Event time (k)

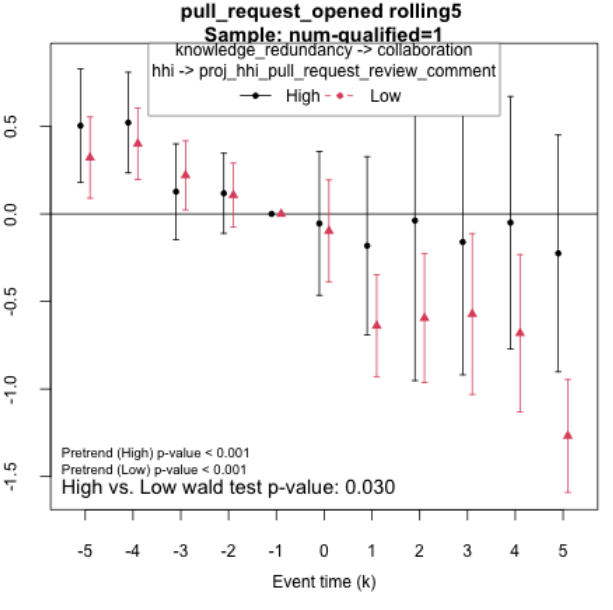

pull_request_merged rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
hhi -> proj_hhi_discussion_comment
High
Low
Pretrend (High) p-value: 0.002
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.068
Event time (k)

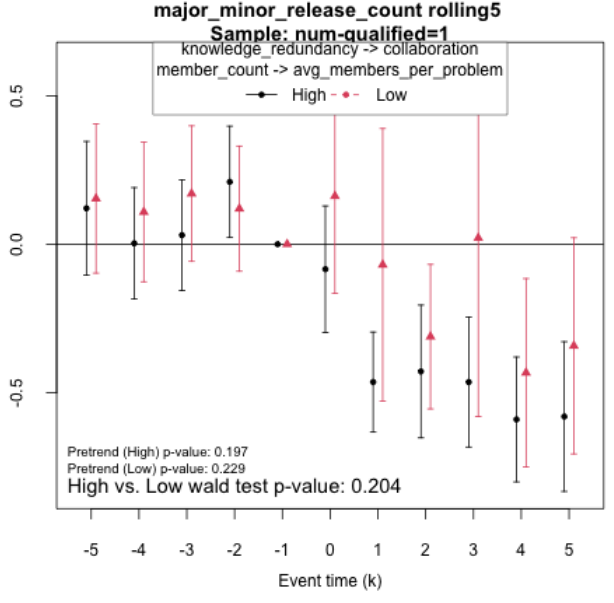

pull_request_opened rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
hhi -> proj_hhi_discussion_comment
High
Low
Pretrend (High) p-value: 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.028
Event time (k)

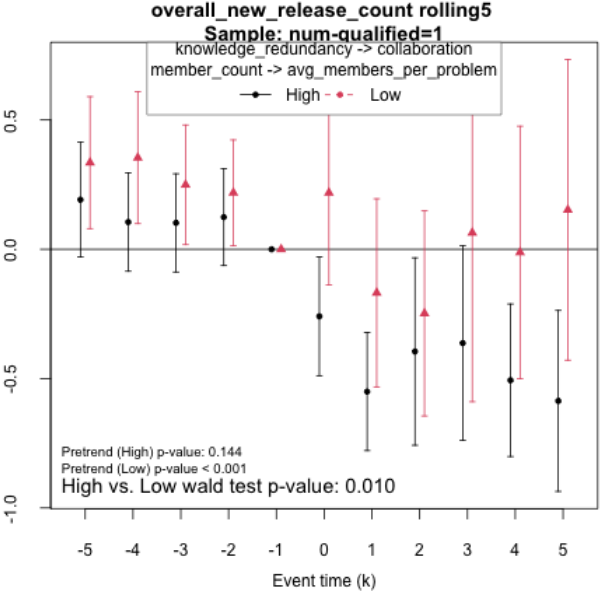

major_minor_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
hhi -> proj_hhi_pull_request_review_comment
High
Low
Pretrend (High) p-value: 0.670
Pretrend (Low) p-value: 0.436
High vs. Low wald test p-value: 0.489
Event time (k)

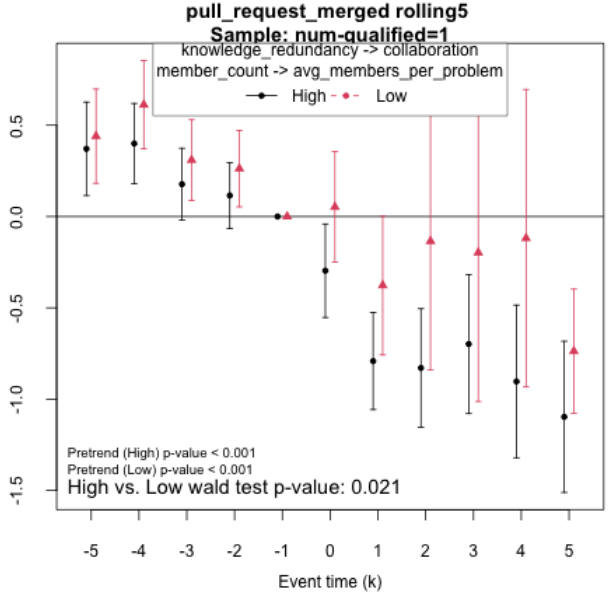

overall_new_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
hhi -> proj_hhi_pull_request_review_comment
High
Low
Pretrend (High) p-value: 0.015
Pretrend (Low) p-value: 0.265
High vs. Low wald test p-value: 0.166
Event time (k)

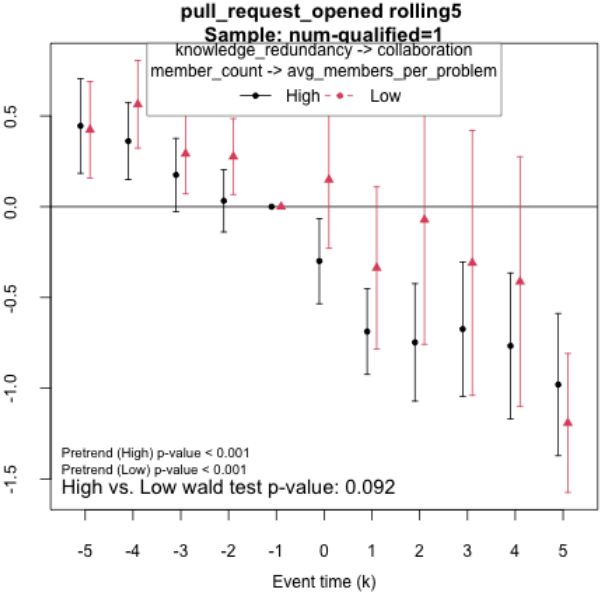

pull_request_merged rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
hhi -> proj_hhi_pull_request_review_comment
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.586
Event time (k)

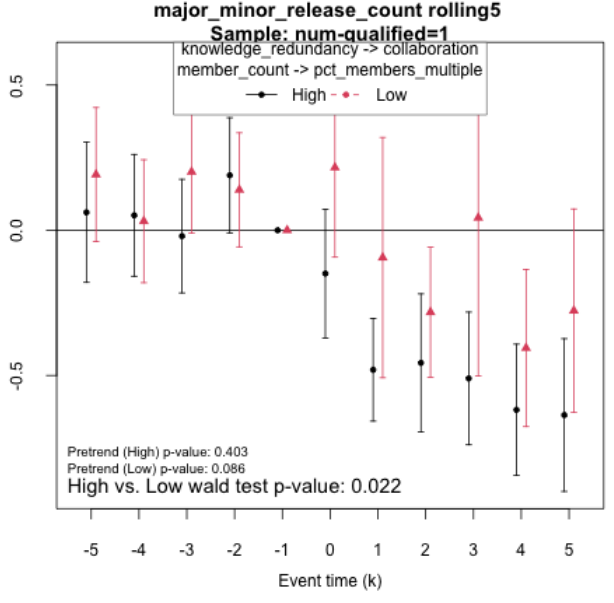

pull_request_opened rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
hhi -> proj_hhi_pull_request_review_comment
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.030
Event time (k)

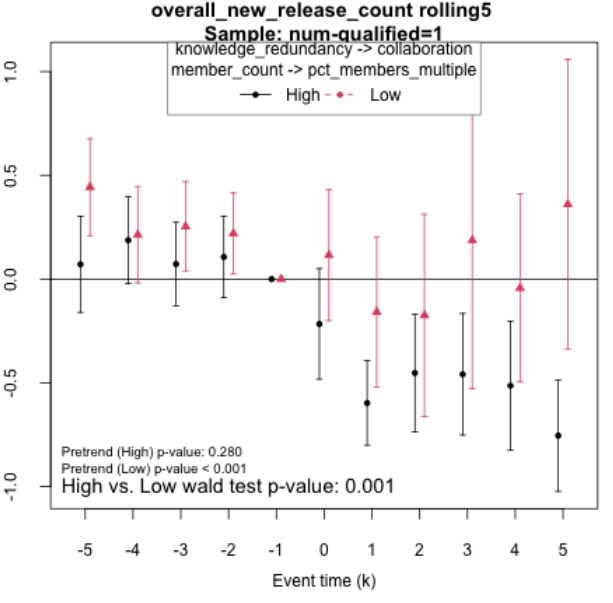

major_minor_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
member_count -> avg_members_per_problem
High
Low
Pretrend (High) p-value: 0.197
Pretrend (Low) p-value: 0.229
High vs. Low wald test p-value: 0.204
Event time (k)

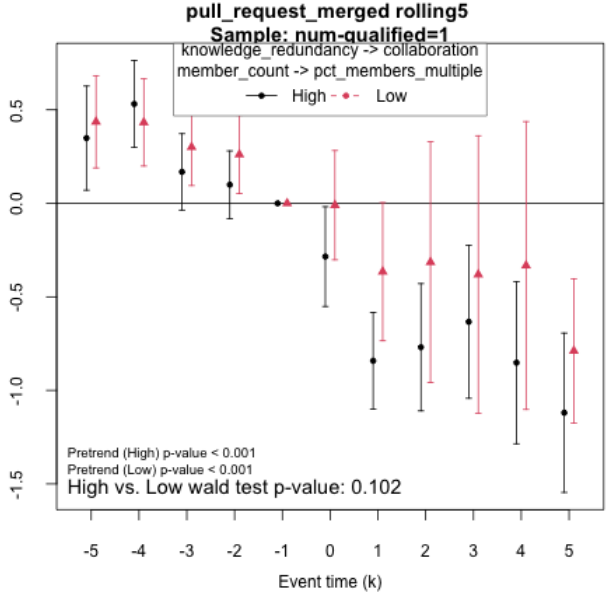

overall_new_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
member_count -> avg_members_per_problem
High
Low
Pretrend (High) p-value: 0.144
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.010
Event time (k)

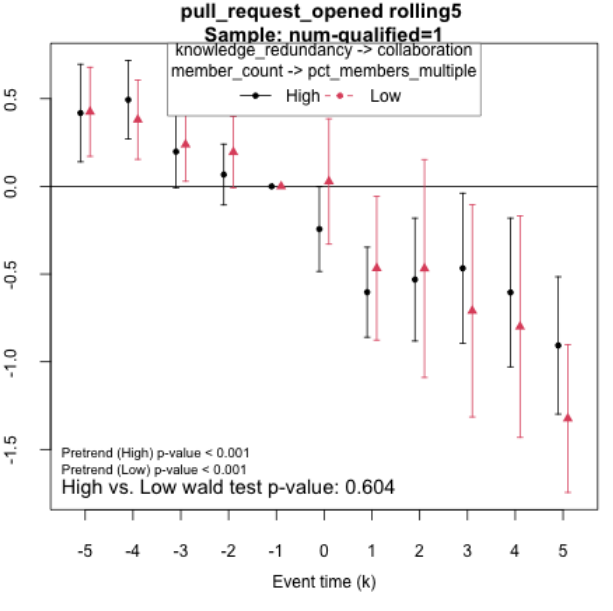

pull_request_merged rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
member_count -> avg_members_per_problem
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.021
Event time (k)

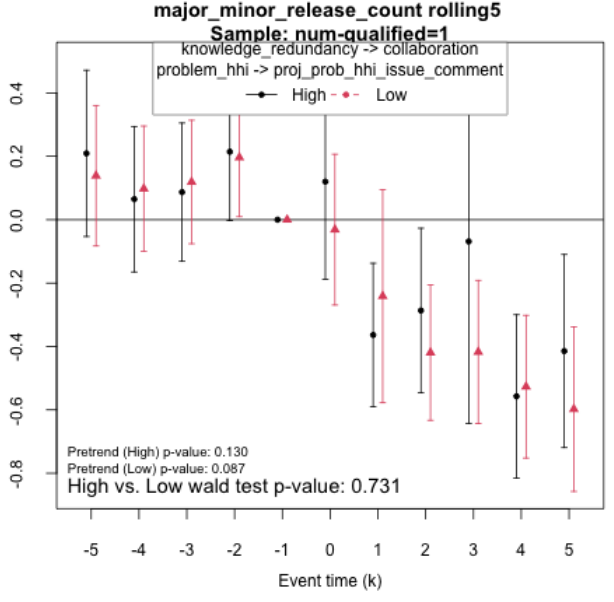

pull_request_opened rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
member_count -> avg_members_per_problem
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.092
Event time (k)

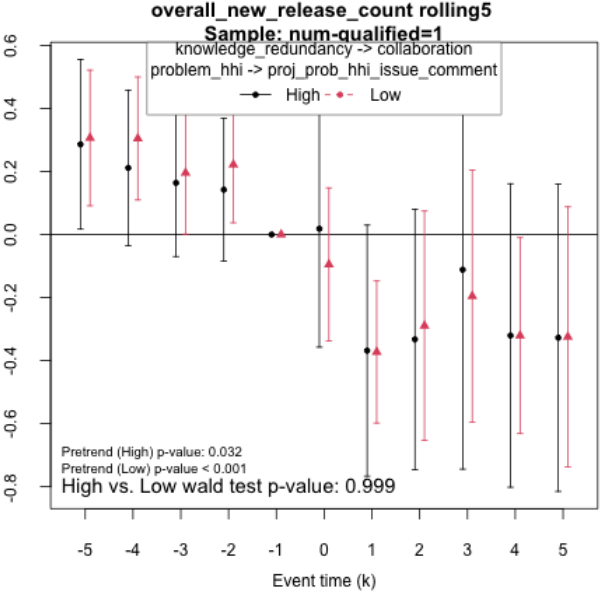

major_minor_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
member_count -> pct_members_multiple
High
Low
Pretrend (High) p-value: 0.403
Pretrend (Low) p-value: 0.086
High vs. Low wald test p-value: 0.022
Event time (k)

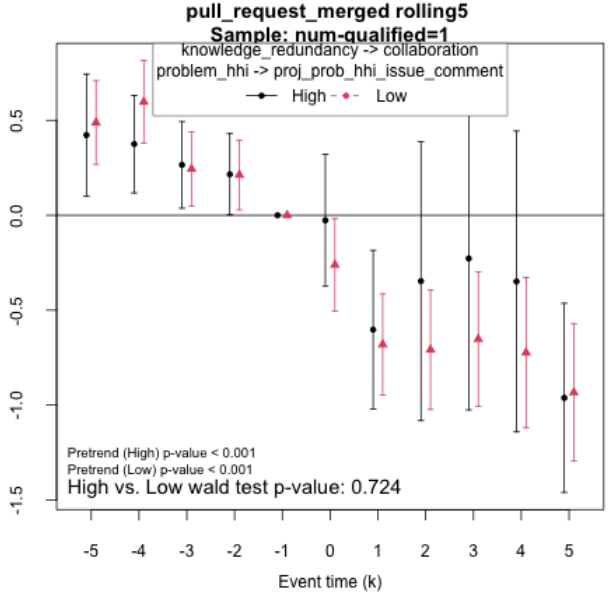

overall_new_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
member_count -> pct_members_multiple
High
Low
Pretrend (High) p-value: 0.280
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.001
Event time (k)

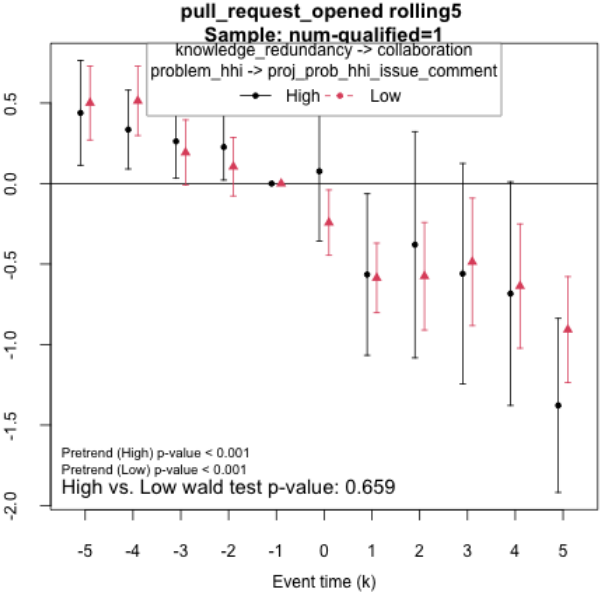

pull_request_merged rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
member_count -> pct_members_multiple
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.102
Event time (k)

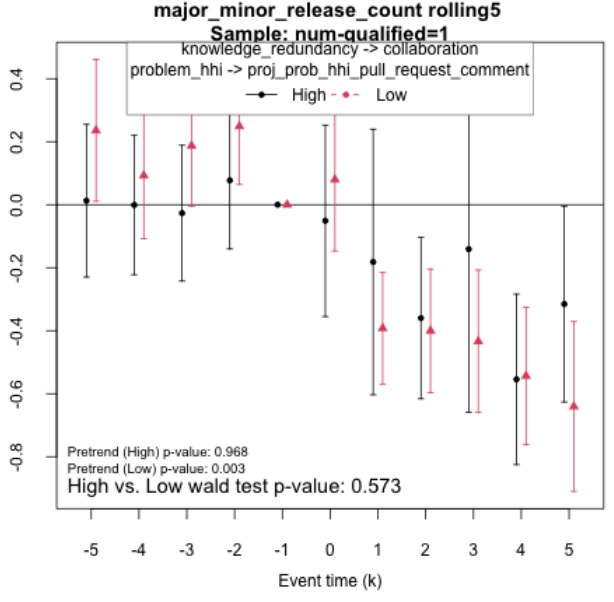

pull_request_opened rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
member_count -> pct_members_multiple
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.604
Event time (k)

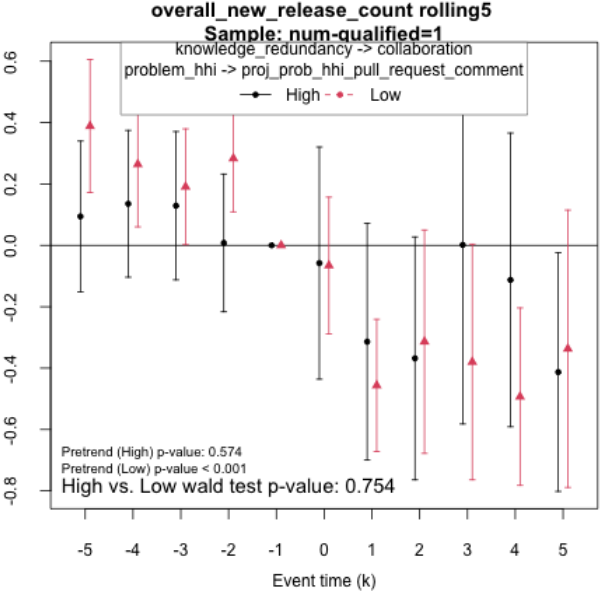

major_minor_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_issue_comment
High
Low
Pretrend (High) p-value: 0.130
Pretrend (Low) p-value: 0.087
High vs. Low wald test p-value: 0.731
Event time (k)

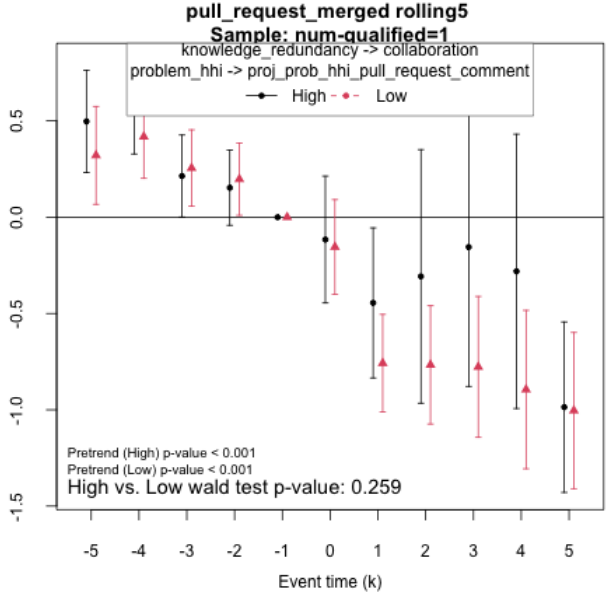

overall_new_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_issue_comment
High
Low
Pretrend (High) p-value: 0.032
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.999
Event time (k)

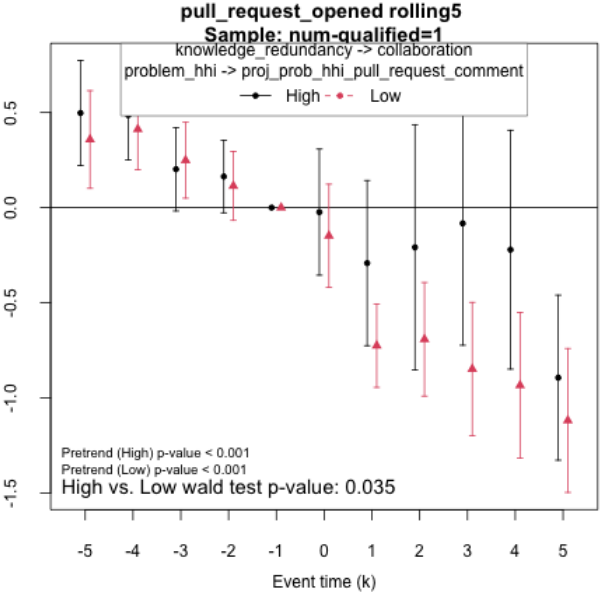

pull_request_merged rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_issue_comment
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.724
Event time (k)

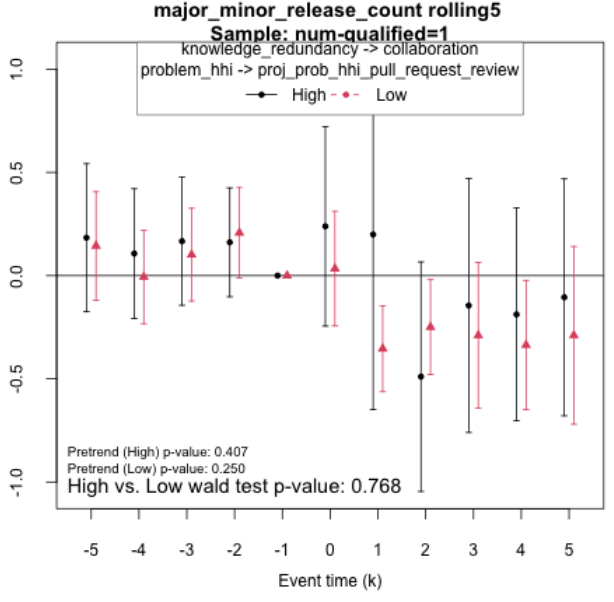

pull_request_opened rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_issue_comment
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.659
Event time (k)

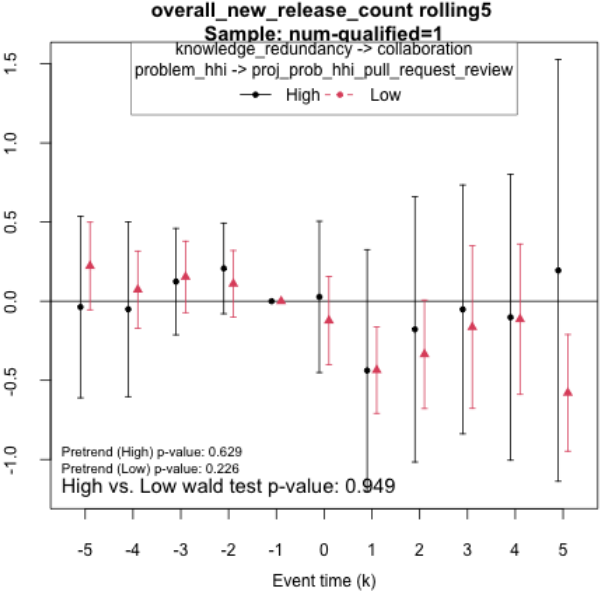

major_minor_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_comment
High
Low
Pretrend (High) p-value: 0.968
Pretrend (Low) p-value: 0.003
High vs. Low wald test p-value: 0.573
Event time (k)

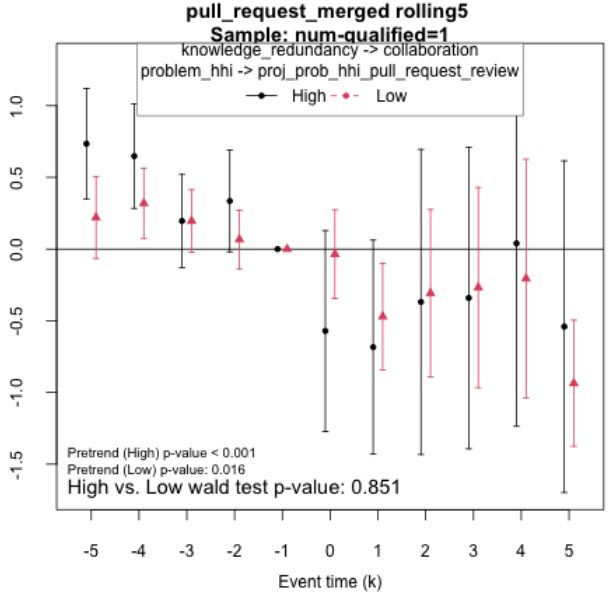

overall_new_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_comment
High
Low
Pretrend (High) p-value: 0.574
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.754
Event time (k)

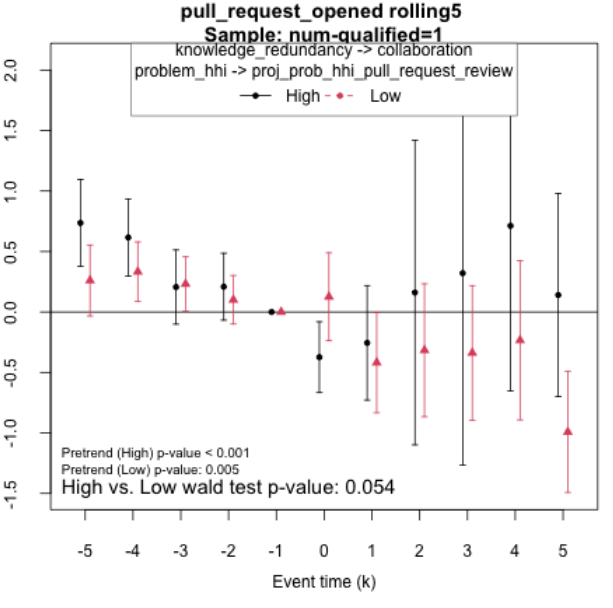

pull_request_merged rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_comment
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.259
Event time (k)

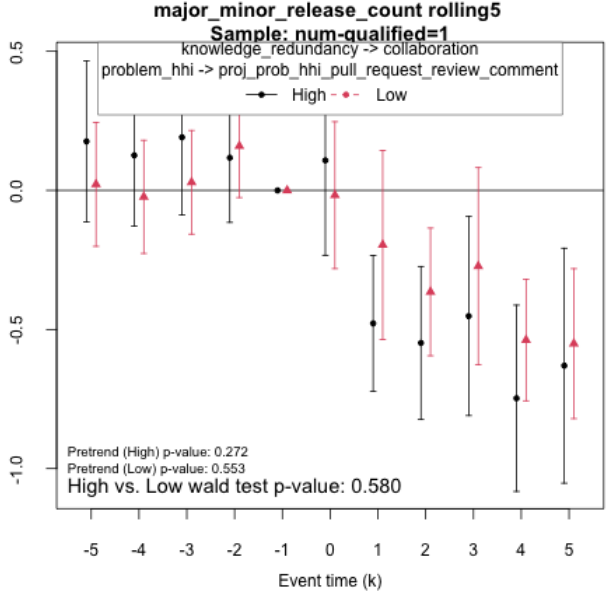

pull_request_opened rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_comment
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.035
Event time (k)

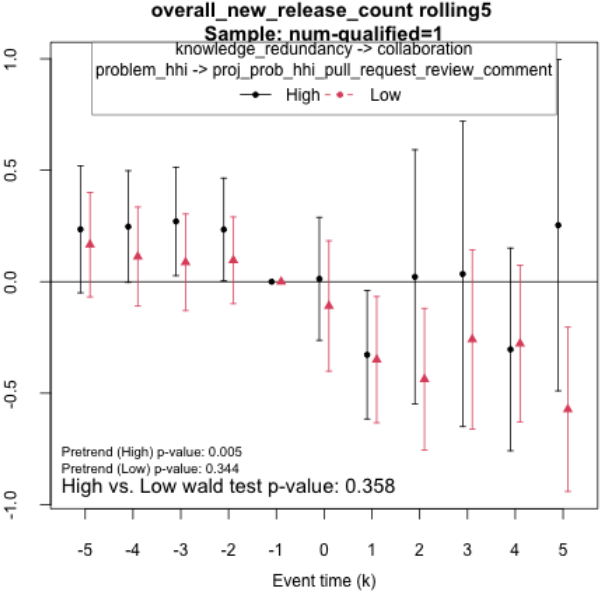

major_minor_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_review
High
Low
Pretrend (High) p-value: 0.407
Pretrend (Low) p-value: 0.250
High vs. Low wald test p-value: 0.768
Event time (k)

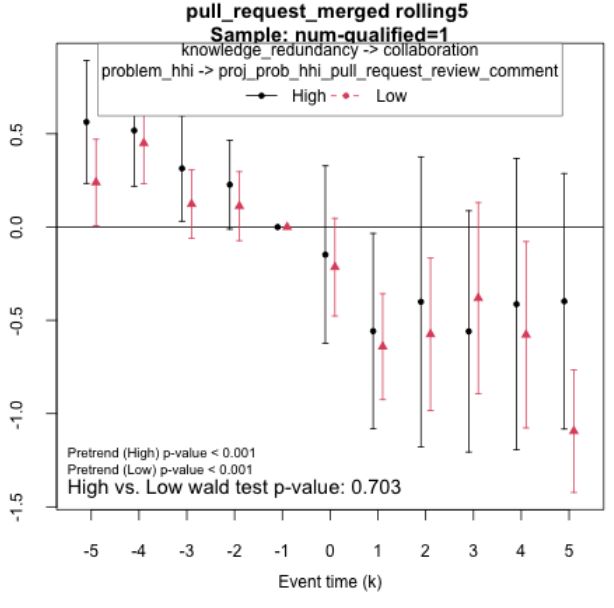

overall_new_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_review
High
Low
Pretrend (High) p-value: 0.629
Pretrend (Low) p-value: 0.226
High vs. Low wald test p-value: 0.949
Event time (k)

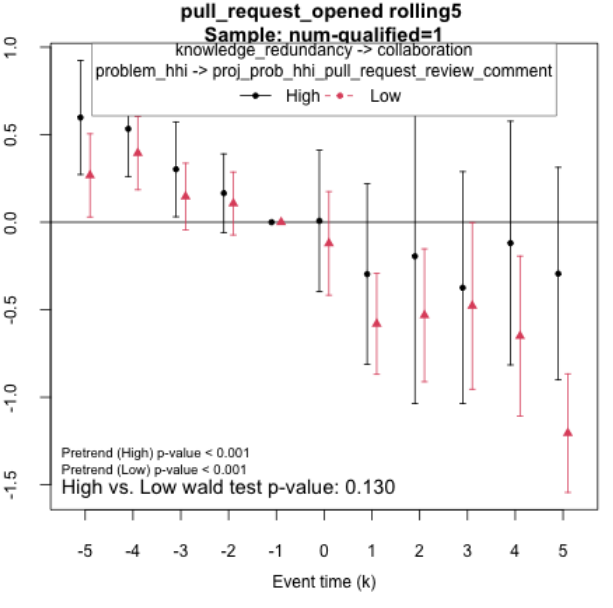

pull_request_merged rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_review
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.016
High vs. Low wald test p-value: 0.851
Event time (k)

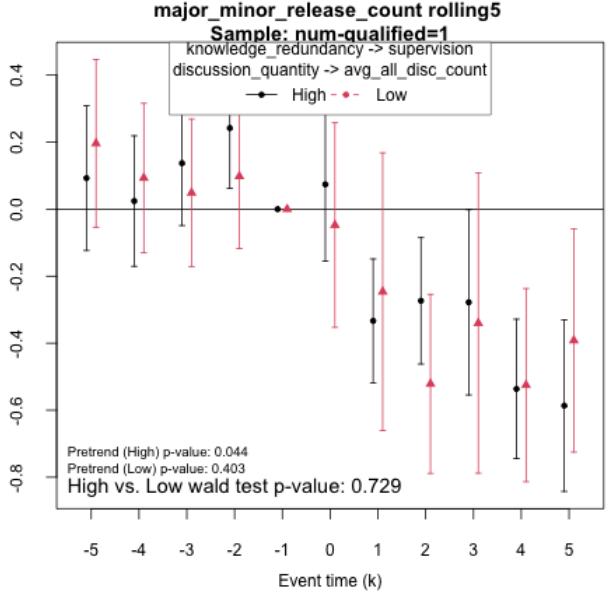

pull_request_opened rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_review
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.005
High vs. Low wald test p-value: 0.054
Event time (k)

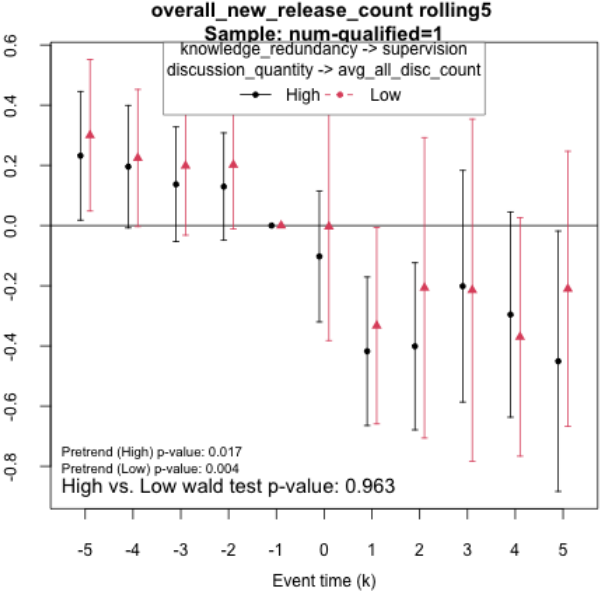

major_minor_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_review_comment
High
Low
Pretrend (High) p-value: 0.272
Pretrend (Low) p-value: 0.553
High vs. Low wald test p-value: 0.580
Event time (k)

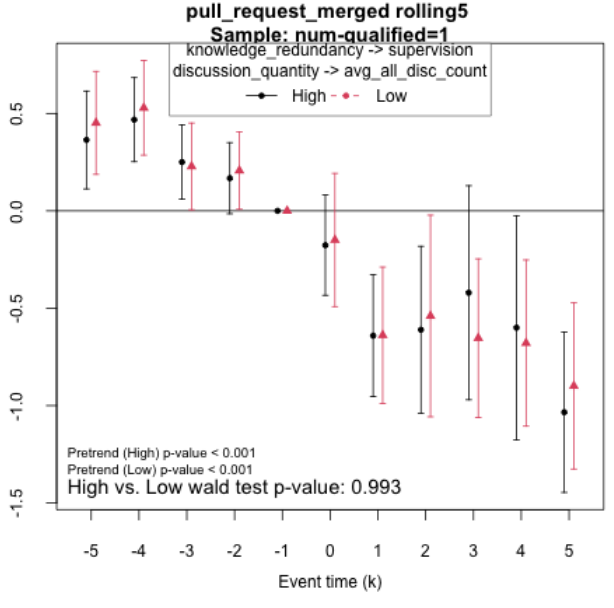

overall_new_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_review_comment
High
Low
Pretrend (High) p-value: 0.005
Pretrend (Low) p-value: 0.344
High vs. Low wald test p-value: 0.358
Event time (k)

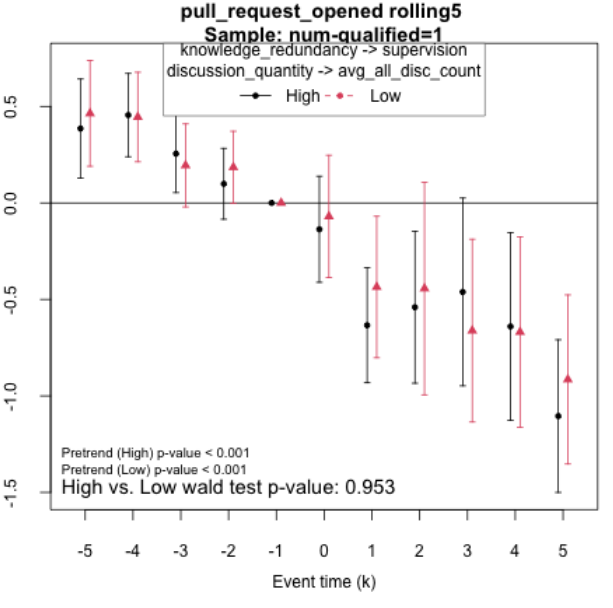

pull_request_merged rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_review_comment
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.703
Event time (k)

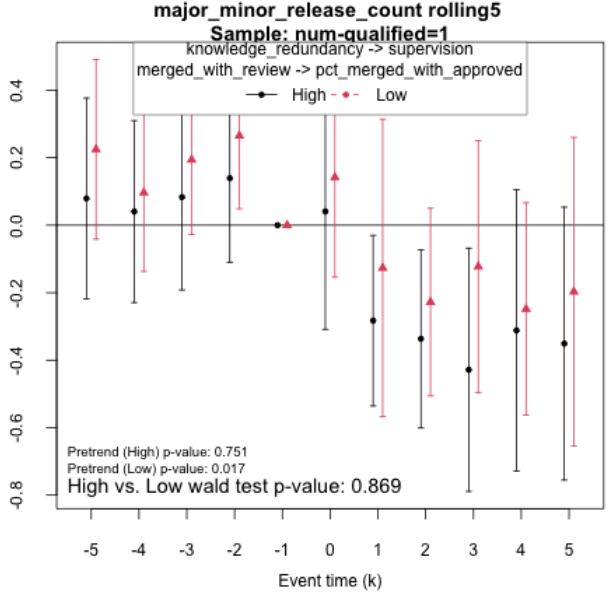

pull_request_opened rolling5
Sample: num-qualified=1
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_review_comment
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.130
Event time (k)

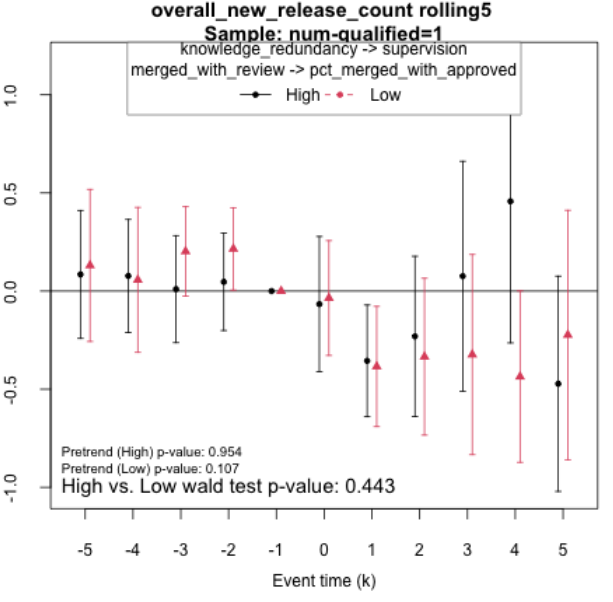

major_minor_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> supervision
discussion_quantity -> avg_all_disc_count
High
Low
Pretrend (High) p-value: 0.044
Pretrend (Low) p-value: 0.403
High vs. Low wald test p-value: 0.729
Event time (k)

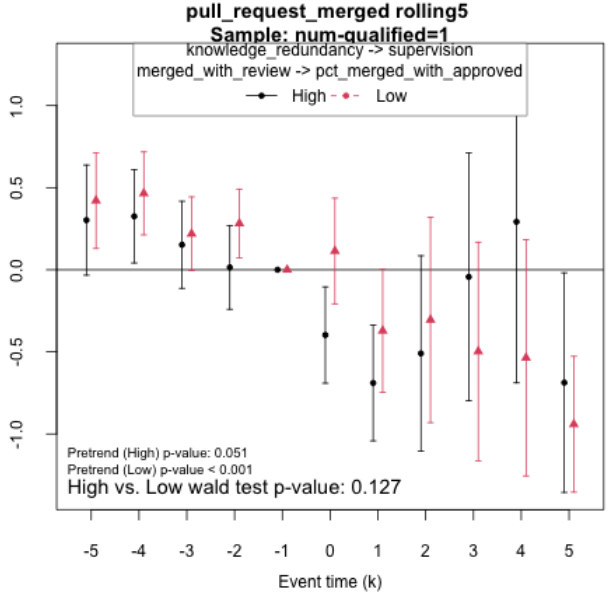

overall_new_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> supervision
discussion_quantity -> avg_all_disc_count
High
Low
Pretrend (High) p-value: 0.017
Pretrend (Low) p-value: 0.004
High vs. Low wald test p-value: 0.963
Event time (k)

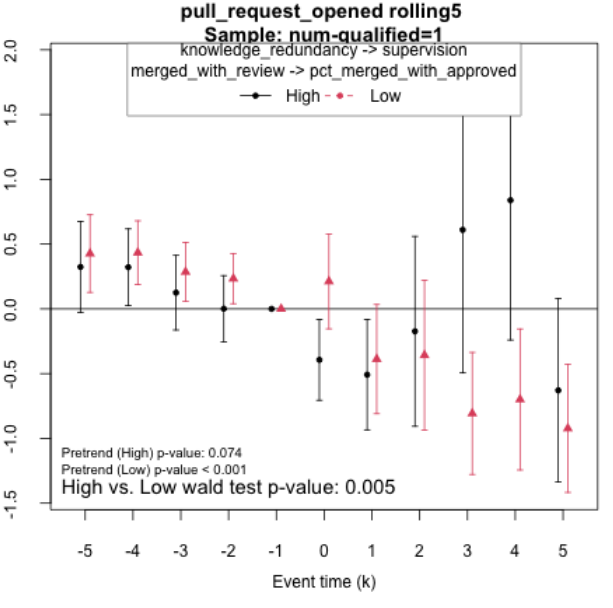

pull_request_merged rolling5
Sample: num-qualified=1
knowledge_redundancy -> supervision
discussion_quantity -> avg_all_disc_count
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.993
Event time (k)

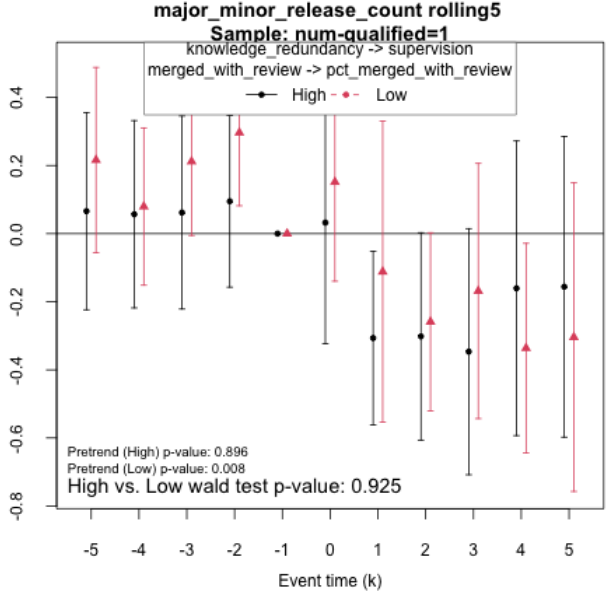

pull_request_opened rolling5
Sample: num-qualified=1
knowledge_redundancy -> supervision
discussion_quantity -> avg_all_disc_count
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.953
Event time (k)

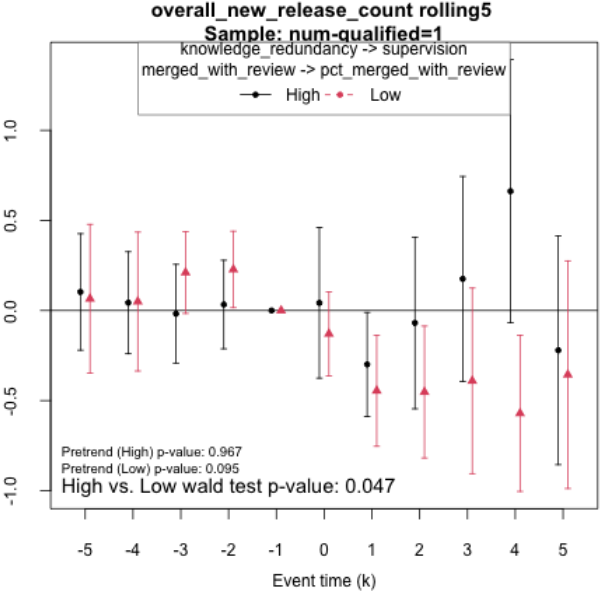

major_minor_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> supervision
merged_with_review -> pct_merged_with_approved
High
Low
Pretrend (High) p-value: 0.751
Pretrend (Low) p-value: 0.017
High vs. Low wald test p-value: 0.869
Event time (k)

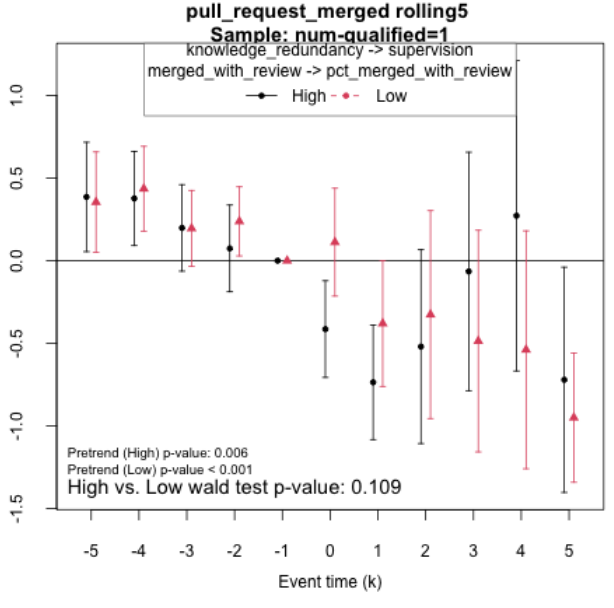

overall_new_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> supervision
merged_with_review -> pct_merged_with_approved
High
Low
Pretrend (High) p-value: 0.954
Pretrend (Low) p-value: 0.107
High vs. Low wald test p-value: 0.443
Event time (k)

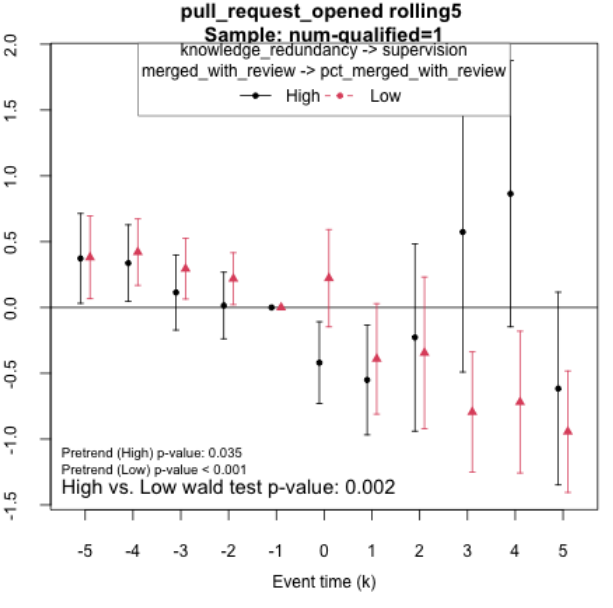

pull_request_merged rolling5
Sample: num-qualified=1
knowledge_redundancy -> supervision
merged_with_review -> pct_merged_with_approved
High
Low
Pretrend (High) p-value: 0.051
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.127
Event time (k)

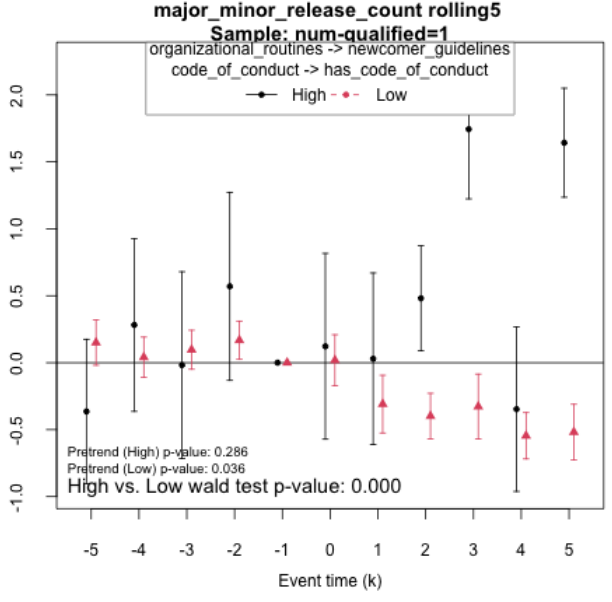

pull_request_opened rolling5
Sample: num-qualified=1
knowledge_redundancy -> supervision
merged_with_review -> pct_merged_with_approved
High
Low
Pretrend (High) p-value: 0.074
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.005
Event time (k)

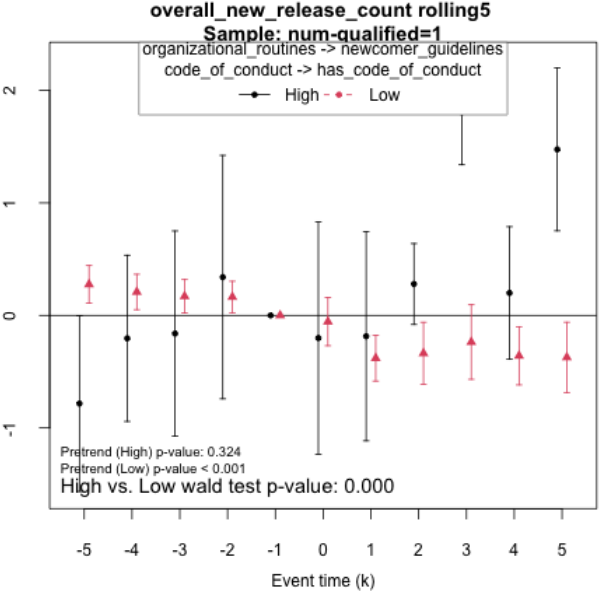

major_minor_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> supervision
merged_with_review -> pct_merged_with_review
High
Low
Pretrend (High) p-value: 0.896
Pretrend (Low) p-value: 0.008
High vs. Low wald test p-value: 0.925
Event time (k)

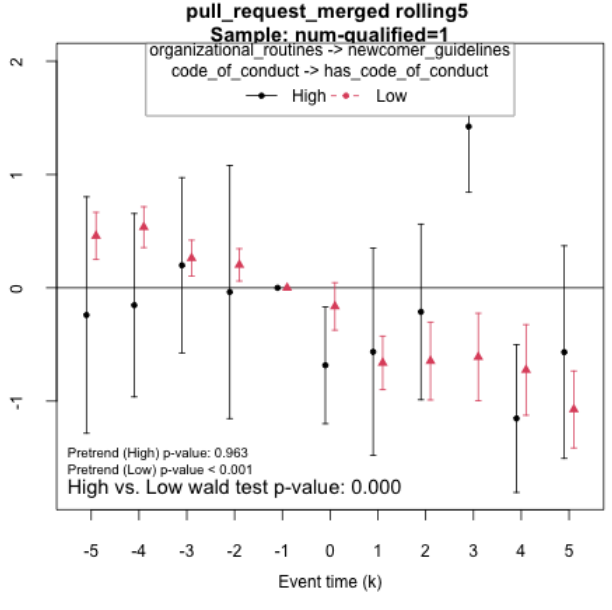

overall_new_release_count rolling5
Sample: num-qualified=1
knowledge_redundancy -> supervision
merged_with_review -> pct_merged_with_review
High
Low
Pretrend (High) p-value: 0.967
Pretrend (Low) p-value: 0.095
High vs. Low wald test p-value: 0.047
Event time (k)

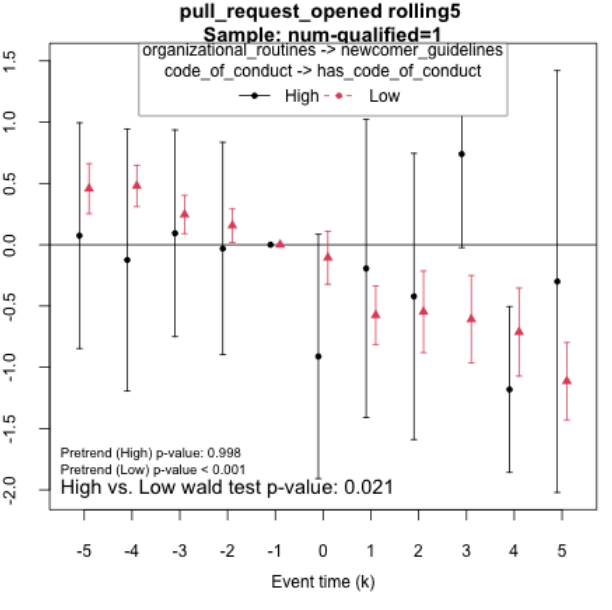

pull_request_merged rolling5
Sample: num-qualified=1
knowledge_redundancy -> supervision
merged_with_review -> pct_merged_with_review
High
Low
Pretrend (High) p-value: 0.006
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.109
Event time (k)

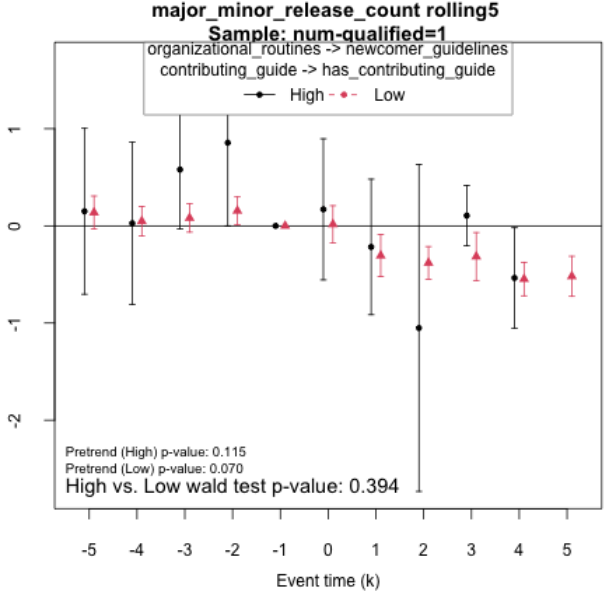

pull_request_opened rolling5
Sample: num-qualified=1
knowledge_redundancy -> supervision
merged_with_review -> pct_merged_with_review
High
Low
Pretrend (High) p-value: 0.035
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.002
Event time (k)

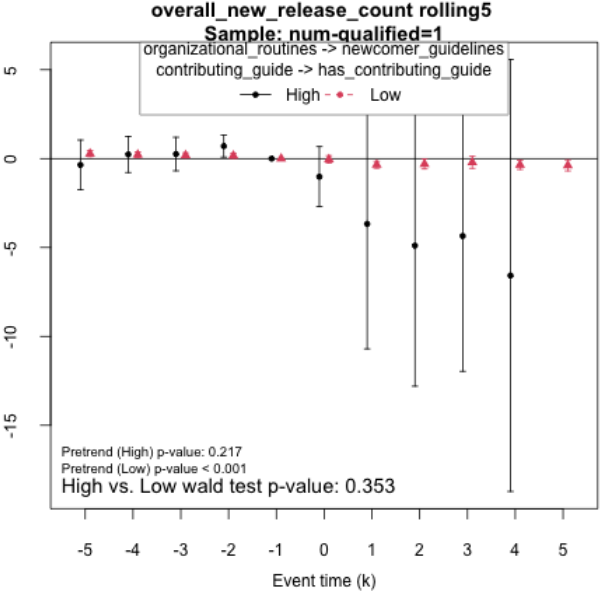

major_minor_release_count rolling5
Sample: num-qualified=1
organizational_routines -> newcomer_guidelines
code_of_conduct -> has_code_of_conduct
High
Low
Pretrend (High) p-value: 0.286
Pretrend (Low) p-value: 0.036
High vs. Low wald test p-value: 0.000
Event time (k)

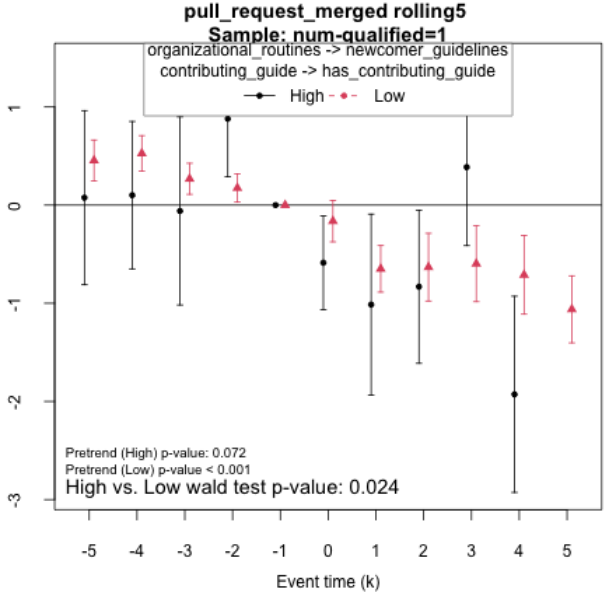

overall_new_release_count rolling5
Sample: num-qualified=1
organizational_routines -> newcomer_guidelines
code_of_conduct -> has_code_of_conduct
High
Low
Pretrend (High) p-value: 0.324
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.000
Event time (k)

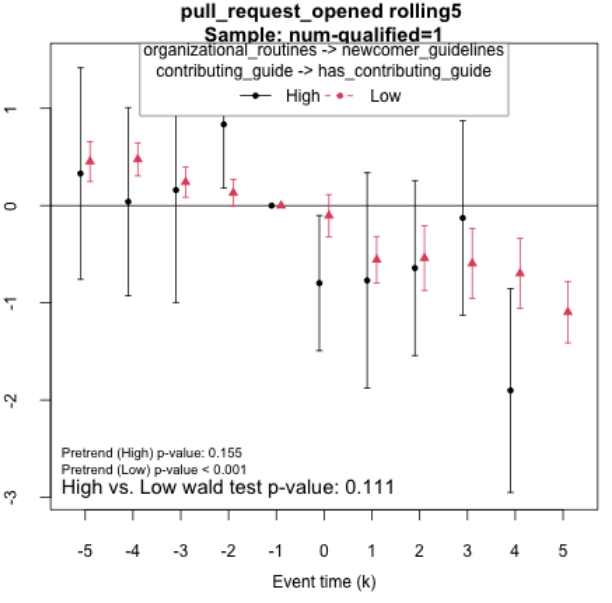

pull_request_merged rolling5
Sample: num-qualified=1
organizational_routines -> newcomer_guidelines
code_of_conduct -> has_code_of_conduct
High
Low
Pretrend (High) p-value: 0.963
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.000
Event time (k)

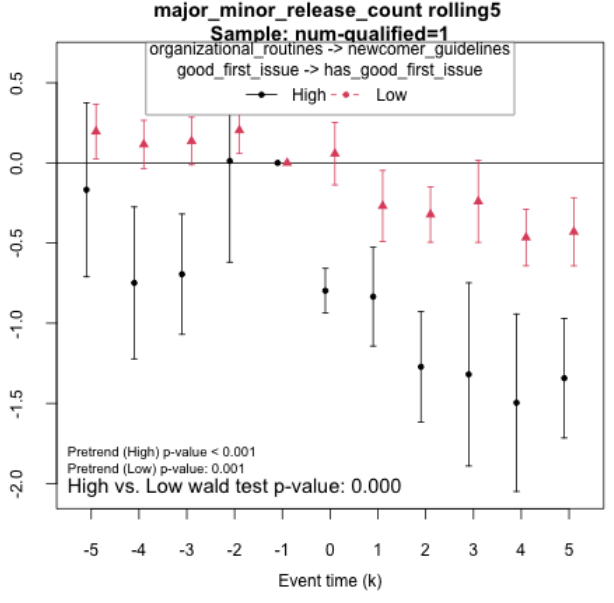

pull_request_opened rolling5
Sample: num-qualified=1
organizational_routines -> newcomer_guidelines
code_of_conduct -> has_code_of_conduct
High
Low
Pretrend (High) p-value: 0.998
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.021
Event time (k)

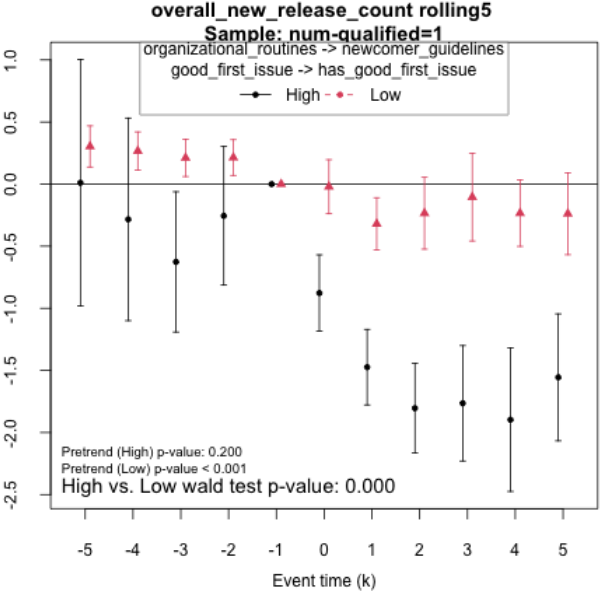

major_minor_release_count rolling5
Sample: num-qualified=1
organizational_routines -> newcomer_guidelines
contributing_guide -> has_contributing_guide
High
Low
Pretrend (High) p-value: 0.115
Pretrend (Low) p-value: 0.070
High vs. Low wald test p-value: 0.394
Event time (k)

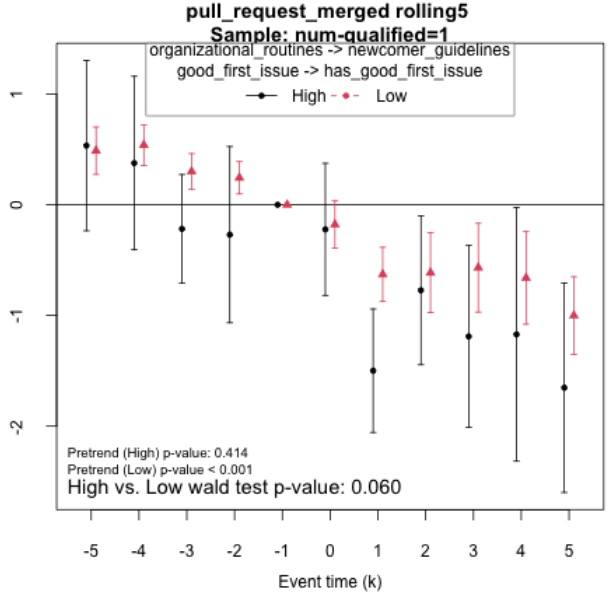

overall_new_release_count rolling5
Sample: num-qualified=1
organizational_routines -> newcomer_guidelines
contributing_guide -> has_contributing_guide
High
Low
Pretrend (High) p-value: 0.217
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.353
Event time (k)

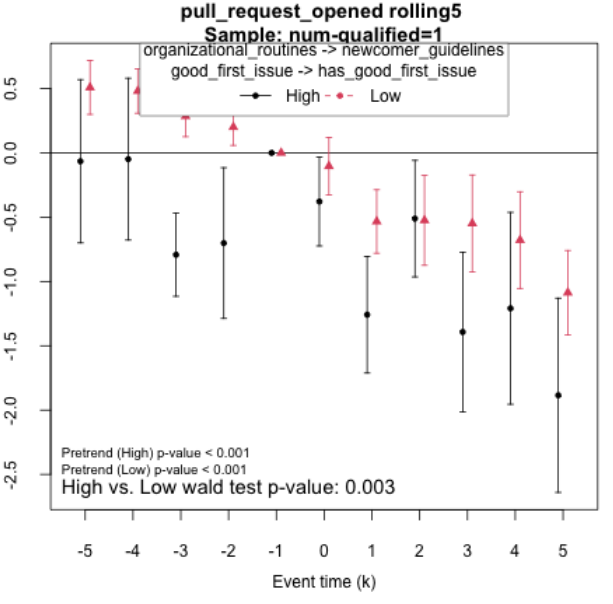

pull_request_merged rolling5
Sample: num-qualified=1
organizational_routines -> newcomer_guidelines
contributing_guide -> has_contributing_guide
High
Low
Pretrend (High) p-value: 0.072
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.024
Event time (k)

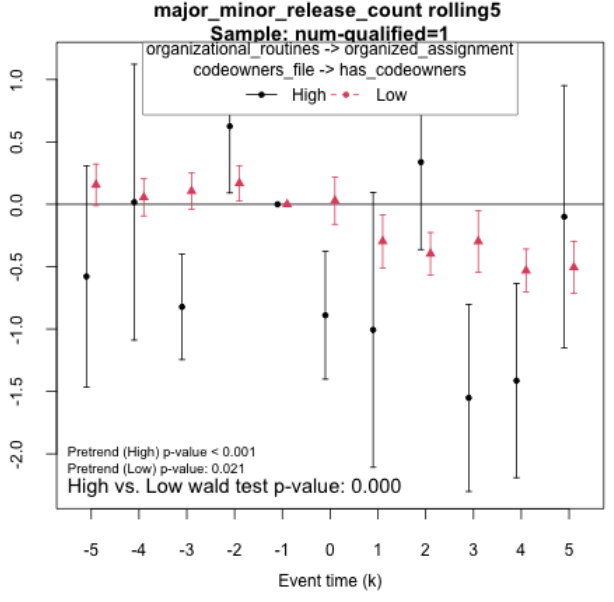

pull_request_opened rolling5
Sample: num-qualified=1
organizational_routines -> newcomer_guidelines
contributing_guide -> has_contributing_guide
High
Low
Pretrend (High) p-value: 0.155
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.111
Event time (k)

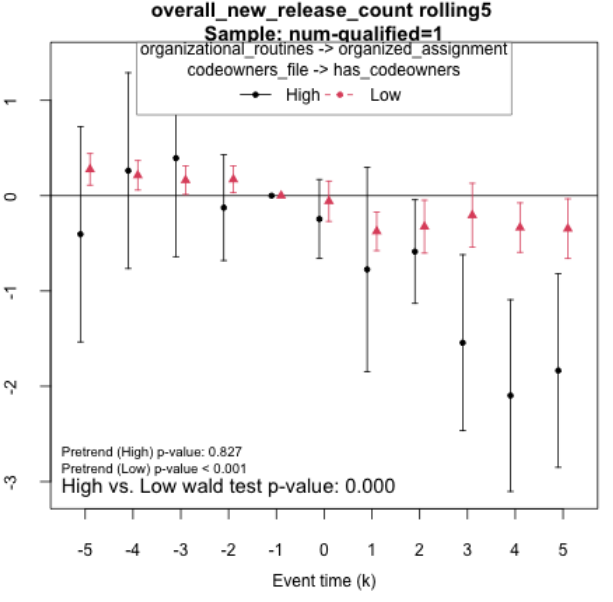

major_minor_release_count rolling5
Sample: num-qualified=1
organizational_routines -> newcomer_guidelines
good_first_issue -> has_good_first_issue
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.001
High vs. Low wald test p-value: 0.000
Event time (k)

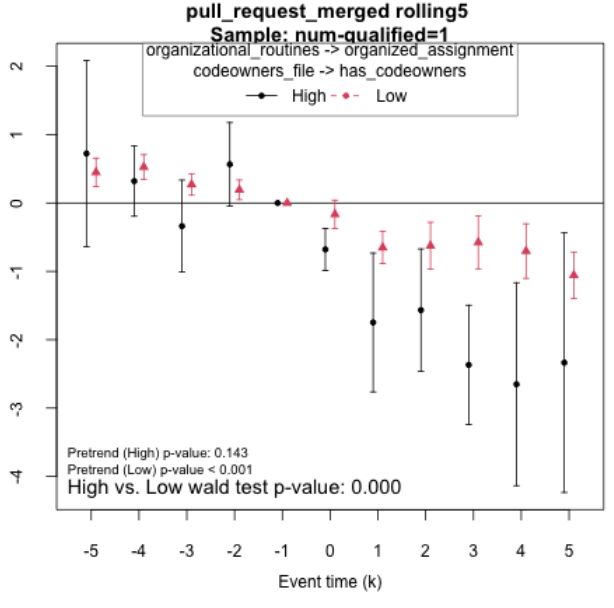

overall_new_release_count rolling5
Sample: num-qualified=1
organizational_routines -> newcomer_guidelines
good_first_issue -> has_good_first_issue
High
Low
Pretrend (High) p-value: 0.200
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.000
Event time (k)

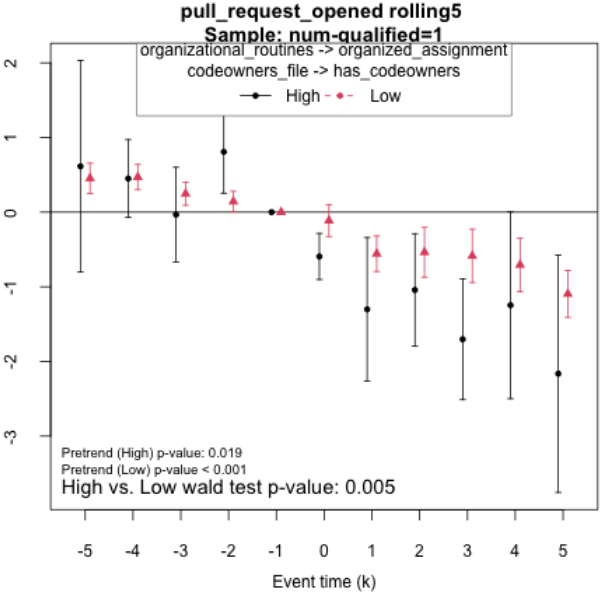

pull_request_merged rolling5
Sample: num-qualified=1
organizational_routines -> newcomer_guidelines
good_first_issue -> has_good_first_issue
High
Low
Pretrend (High) p-value: 0.414
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.060
Event time (k)

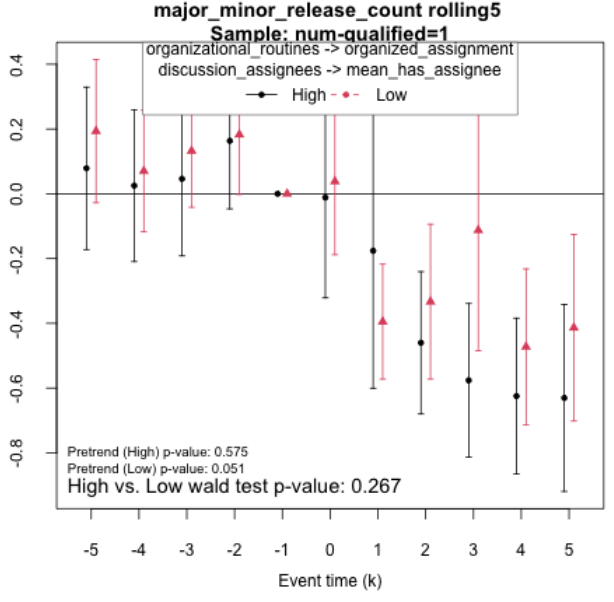

pull_request_opened rolling5
Sample: num-qualified=1
organizational_routines -> newcomer_guidelines
good_first_issue -> has_good_first_issue
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.003
Event time (k)

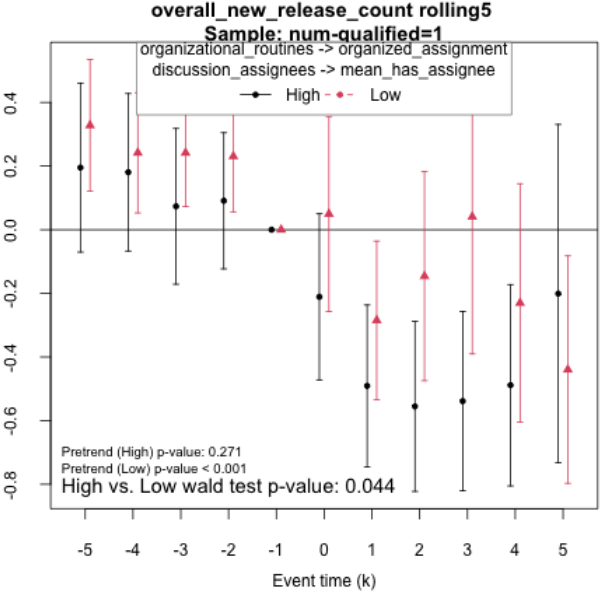

major_minor_release_count rolling5
Sample: num-qualified=1
organizational_routines -> organized_assignment
codeowners_file -> has_codeowners
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.021
High vs. Low wald test p-value: 0.000
Event time (k)

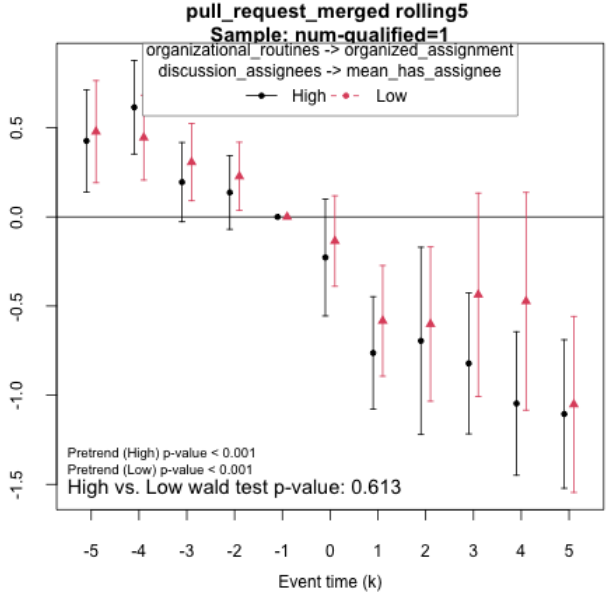

overall_new_release_count rolling5
Sample: num-qualified=1
organizational_routines -> organized_assignment
codeowners_file -> has_codeowners
High
Low
Pretrend (High) p-value: 0.827
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.000
Event time (k)

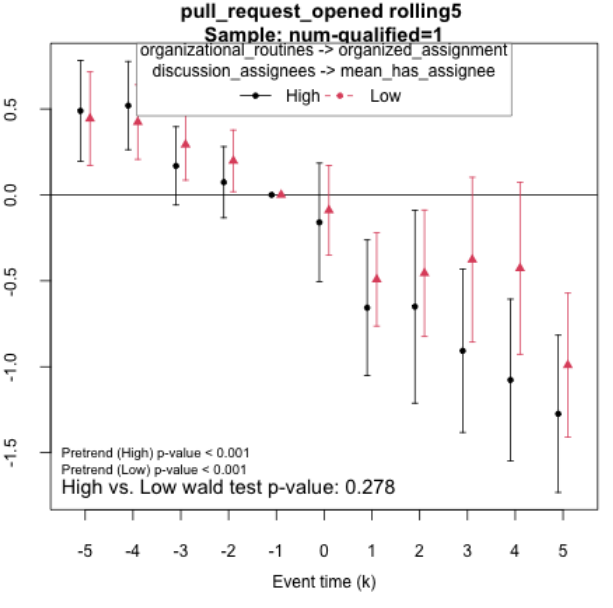

pull_request_merged rolling5
Sample: num-qualified=1
organizational_routines -> organized_assignment
codeowners_file -> has_codeowners
High
Low
Pretrend (High) p-value: 0.143
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.000
Event time (k)

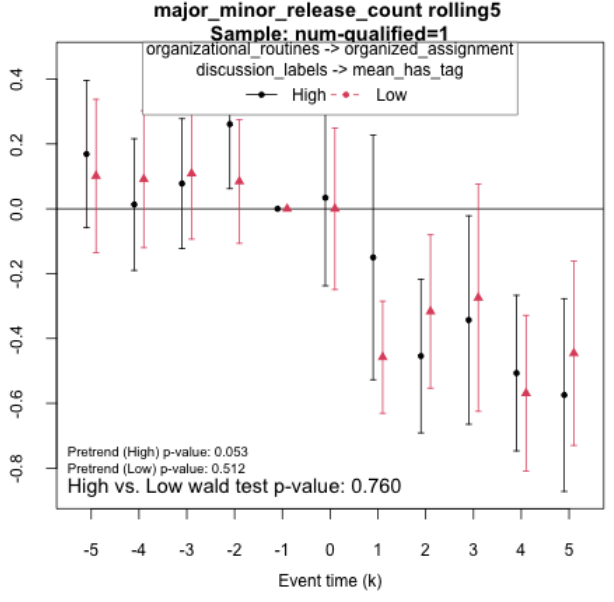

pull_request_opened rolling5
Sample: num-qualified=1
organizational_routines -> organized_assignment
codeowners_file -> has_codeowners
High
Low
Pretrend (High) p-value: 0.019
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.005
Event time (k)

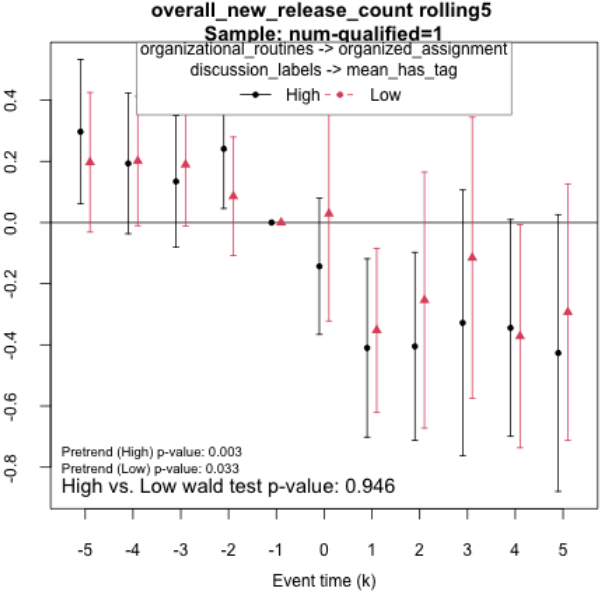

major_minor_release_count rolling5
Sample: num-qualified=1
organizational_routines -> organized_assignment
discussion_assignees -> mean_has_assignee
High
Low
Pretrend (High) p-value: 0.575
Pretrend (Low) p-value: 0.051
High vs. Low wald test p-value: 0.267
Event time (k)

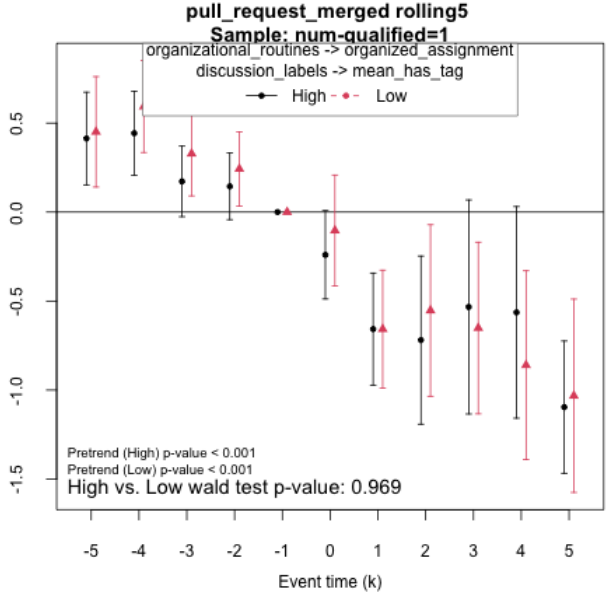

overall_new_release_count rolling5
Sample: num-qualified=1
organizational_routines -> organized_assignment
discussion_assignees -> mean_has_assignee
High
Low
Pretrend (High) p-value: 0.271
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.044
Event time (k)

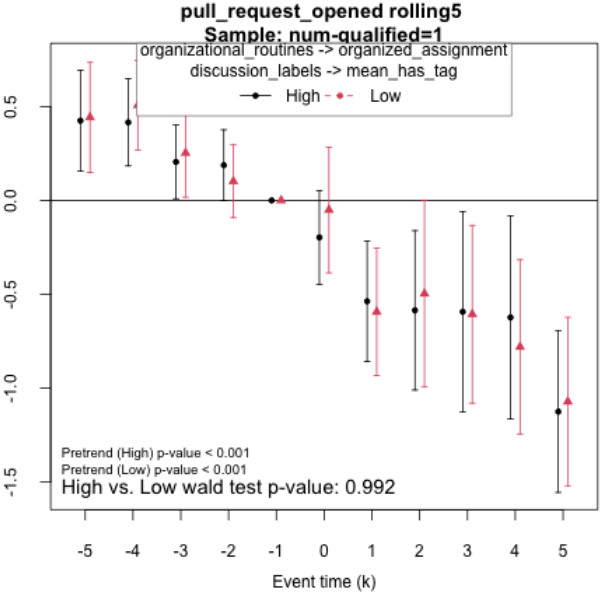

pull_request_merged rolling5
Sample: num-qualified=1
organizational_routines -> organized_assignment
discussion_assignees -> mean_has_assignee
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.613
Event time (k)

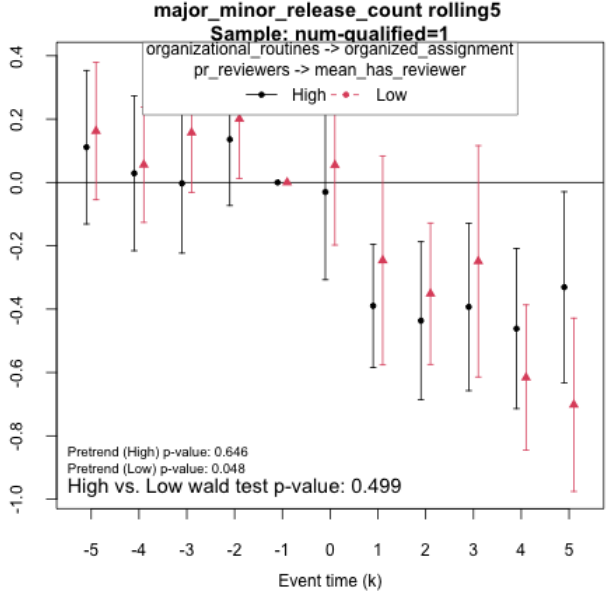

pull_request_opened rolling5
Sample: num-qualified=1
organizational_routines -> organized_assignment
discussion_assignees -> mean_has_assignee
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.278
Event time (k)

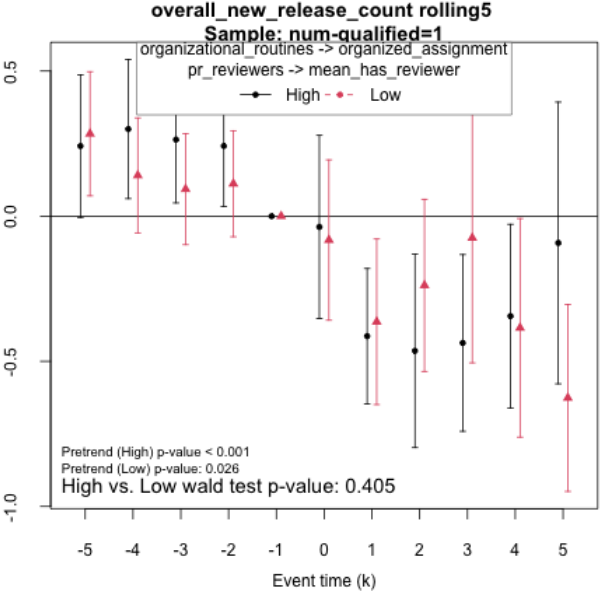

major_minor_release_count rolling5
Sample: num-qualified=1
organizational_routines -> organized_assignment
discussion_labels -> mean_has_tag
High
Low
Pretrend (High) p-value: 0.053
Pretrend (Low) p-value: 0.512
High vs. Low wald test p-value: 0.760
Event time (k)

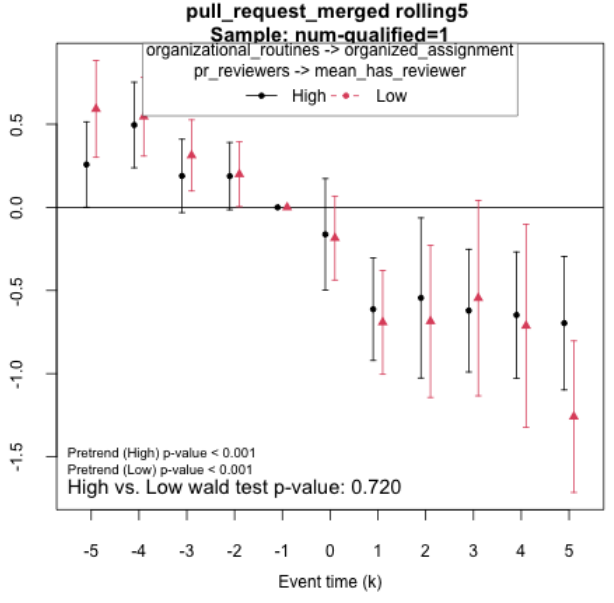

overall_new_release_count rolling5
Sample: num-qualified=1
organizational_routines -> organized_assignment
discussion_labels -> mean_has_tag
High
Low
Pretrend (High) p-value: 0.003
Pretrend (Low) p-value: 0.033
High vs. Low wald test p-value: 0.946
Event time (k)

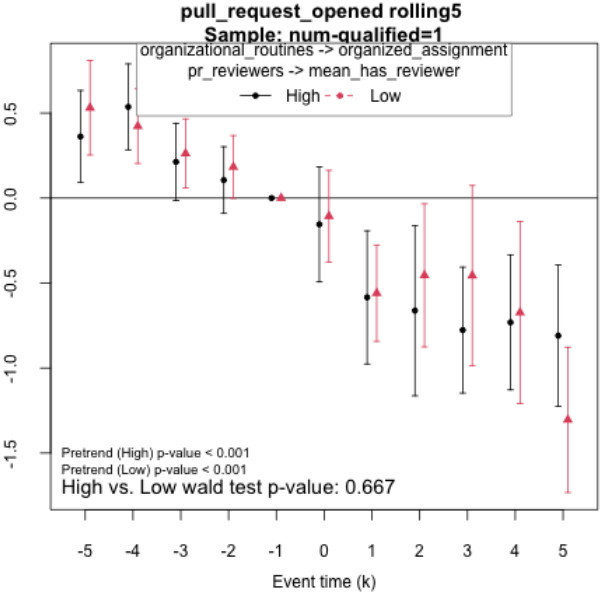

pull_request_merged rolling5
Sample: num-qualified=1
organizational_routines -> organized_assignment
discussion_labels -> mean_has_tag
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.969
Event time (k)

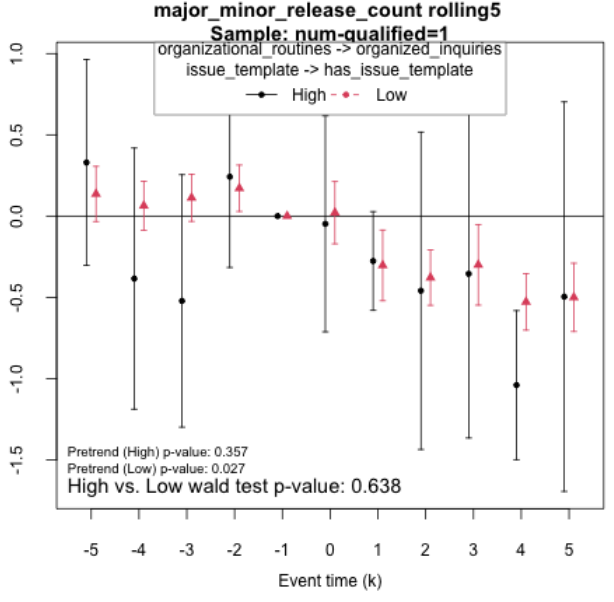

pull_request_opened rolling5
Sample: num-qualified=1
organizational_routines -> organized_assignment
discussion_labels -> mean_has_tag
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.992
Event time (k)

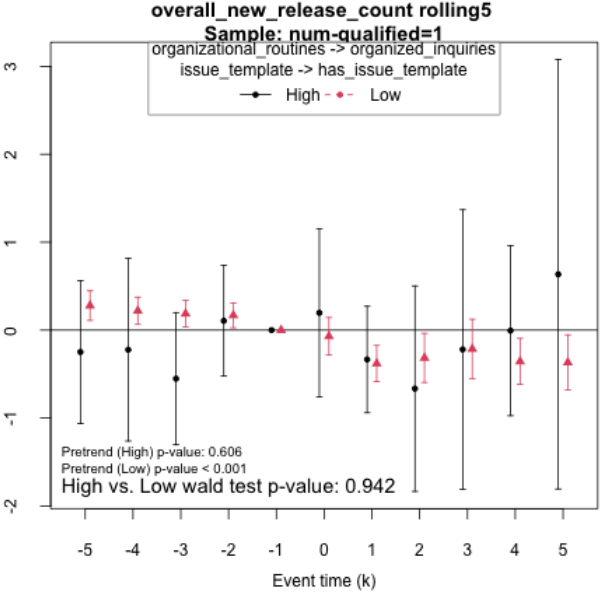

major_minor_release_count rolling5
Sample: num-qualified=1
organizational_routines -> organized_assignment
pr_reviewers -> mean_has_reviewer
High
Low
Pretrend (High) p-value: 0.646
Pretrend (Low) p-value: 0.048
High vs. Low wald test p-value: 0.499
Event time (k)

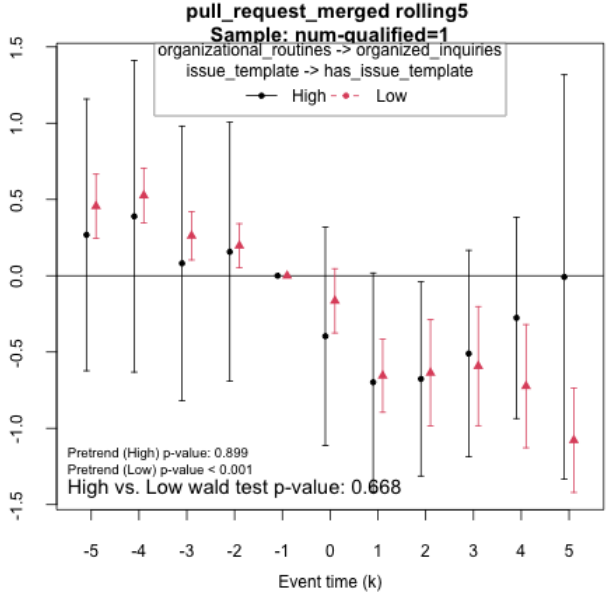

overall_new_release_count rolling5
Sample: num-qualified=1
organizational_routines -> organized_assignment
pr_reviewers -> mean_has_reviewer
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.026
High vs. Low wald test p-value: 0.405
Event time (k)

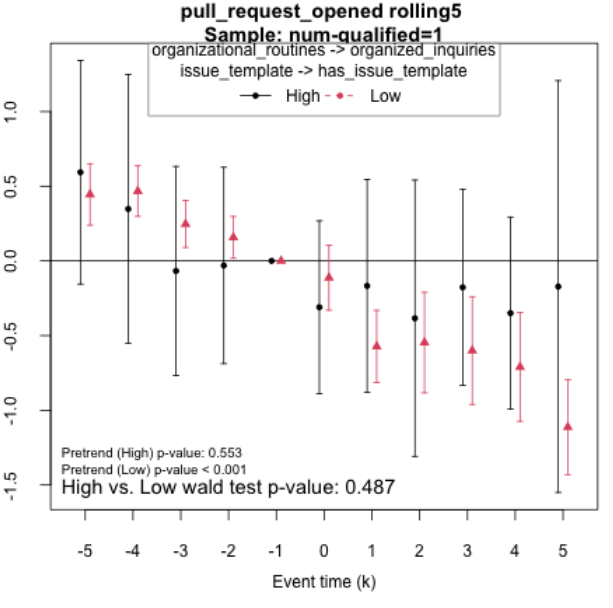

pull_request_merged rolling5
Sample: num-qualified=1
organizational_routines -> organized_assignment
pr_reviewers -> mean_has_reviewer
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.720
Event time (k)

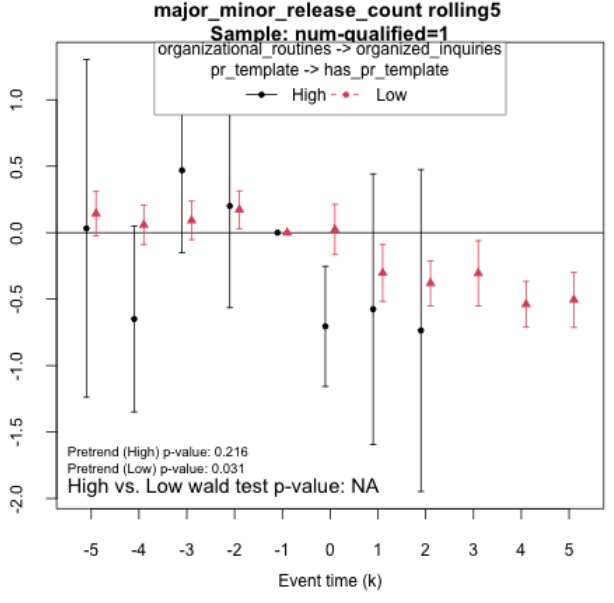

pull_request_opened rolling5
Sample: num-qualified=1
organizational_routines -> organized_assignment
pr_reviewers -> mean_has_reviewer
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.667
Event time (k)

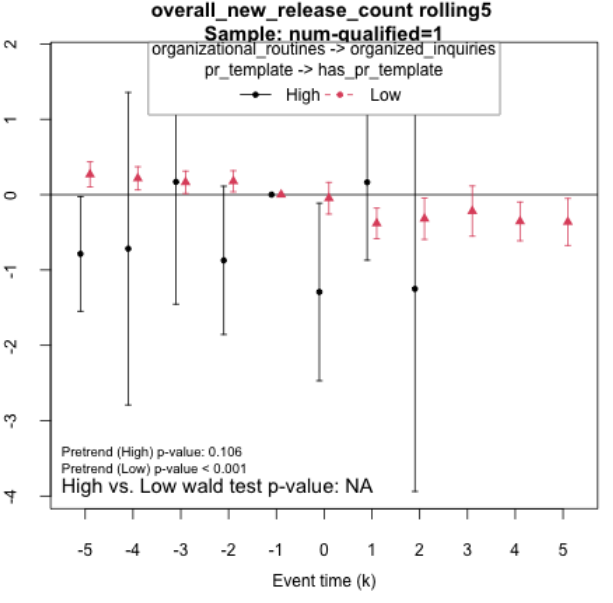

major_minor_release_count rolling5
Sample: num-qualified=1
organizational_routines -> organized_inquiries
issue_template -> has_issue_template
High
Low
Pretrend (High) p-value: 0.357
Pretrend (Low) p-value: 0.027
High vs. Low wald test p-value: 0.638
Event time (k)

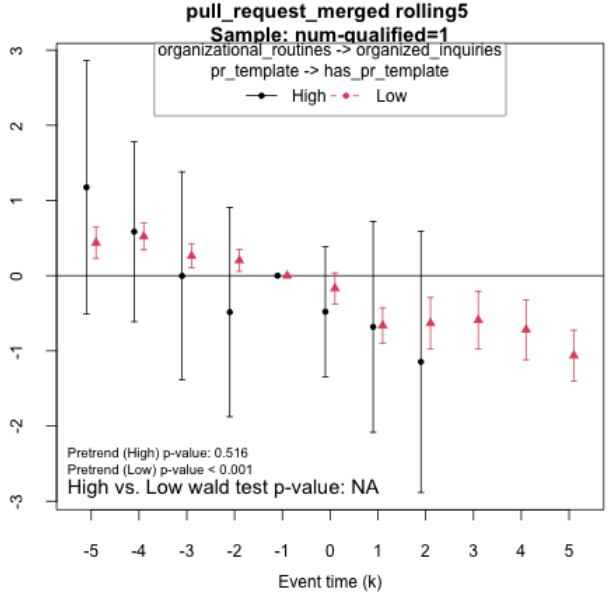

overall_new_release_count rolling5
Sample: num-qualified=1
organizational_routines -> organized_inquiries
issue_template -> has_issue_template
High
Low
Pretrend (High) p-value: 0.606
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.942
Event time (k)

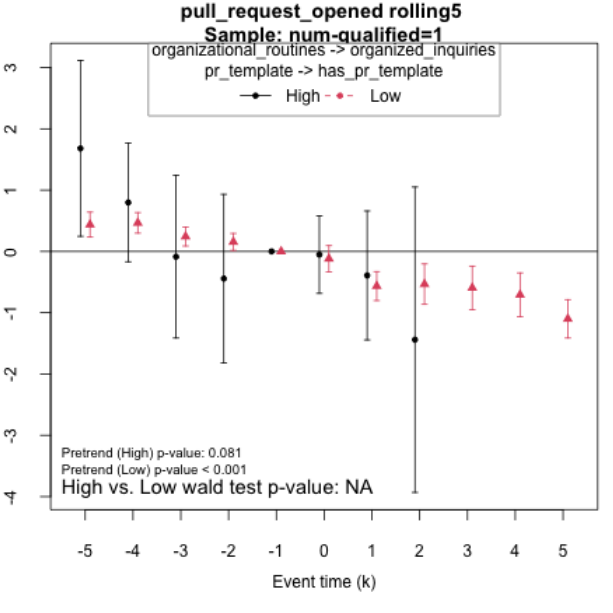

pull_request_merged rolling5
Sample: num-qualified=1
organizational_routines -> organized_inquiries
issue_template -> has_issue_template
High
Low
Pretrend (High) p-value: 0.899
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.668
Event time (k)

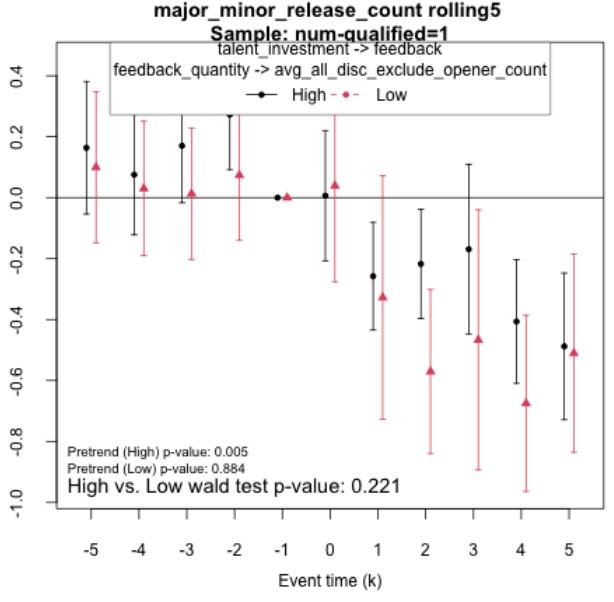

pull_request_opened rolling5
Sample: num-qualified=1
organizational_routines -> organized_inquiries
issue_template -> has_issue_template
High
Low
Pretrend (High) p-value: 0.553
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.487
Event time (k)

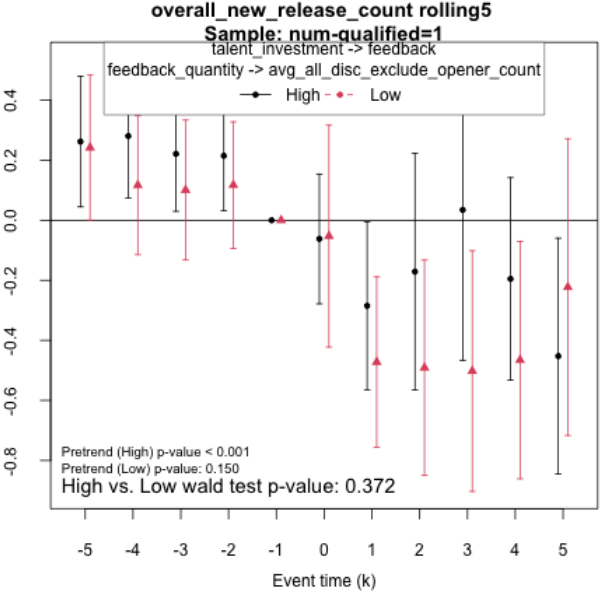

major_minor_release_count rolling5
Sample: num-qualified=1
organizational_routines -> organized_inquiries
pr_template -> has_pr_template
High
Low
Pretrend (High) p-value: 0.216
Pretrend (Low) p-value: 0.031
High vs. Low wald test p-value: NA
Event time (k)

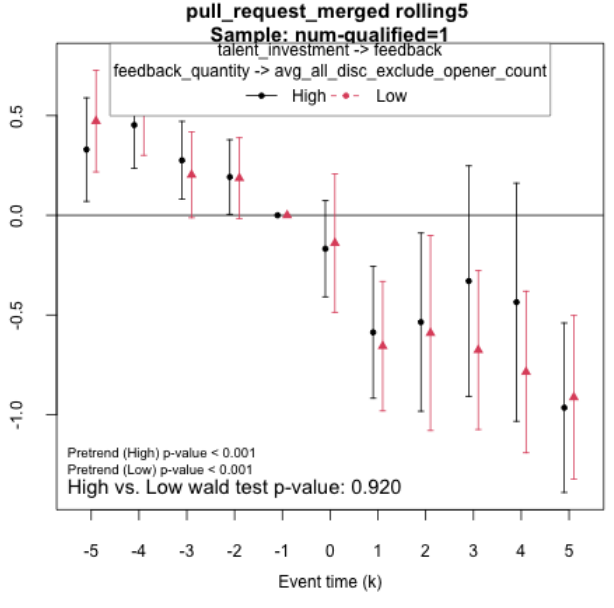

overall_new_release_count rolling5
Sample: num-qualified=1
organizational_routines -> organized_inquiries
pr_template -> has_pr_template
High
Low
Pretrend (High) p-value: 0.106
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: NA
Event time (k)

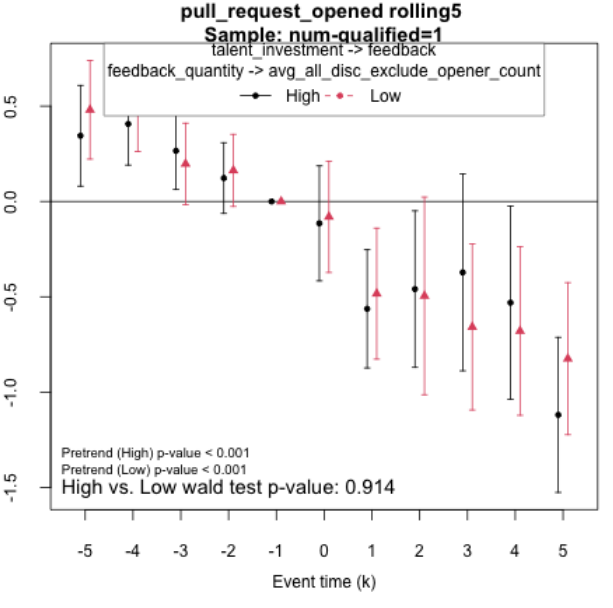

pull_request_merged rolling5
Sample: num-qualified=1
organizational_routines -> organized_inquiries
pr_template -> has_pr_template
High
Low
Pretrend (High) p-value: 0.516
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: NA
Event time (k)

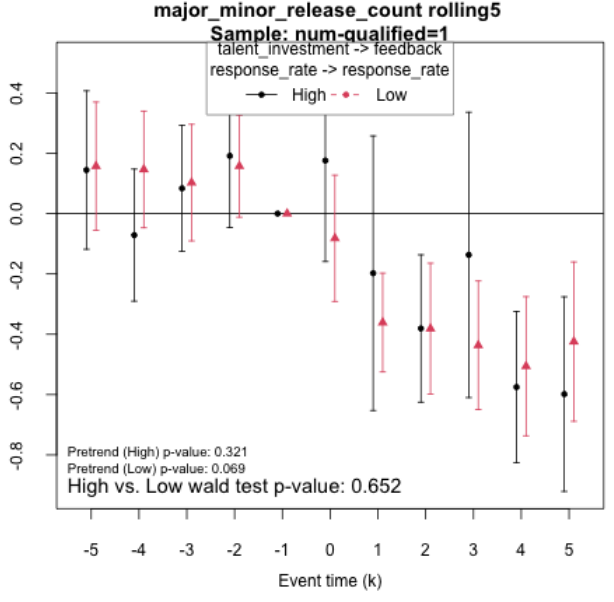

pull_request_opened rolling5
Sample: num-qualified=1
organizational_routines -> organized_inquiries
pr_template -> has_pr_template
High
Low
Pretrend (High) p-value: 0.081
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: NA
Event time (k)

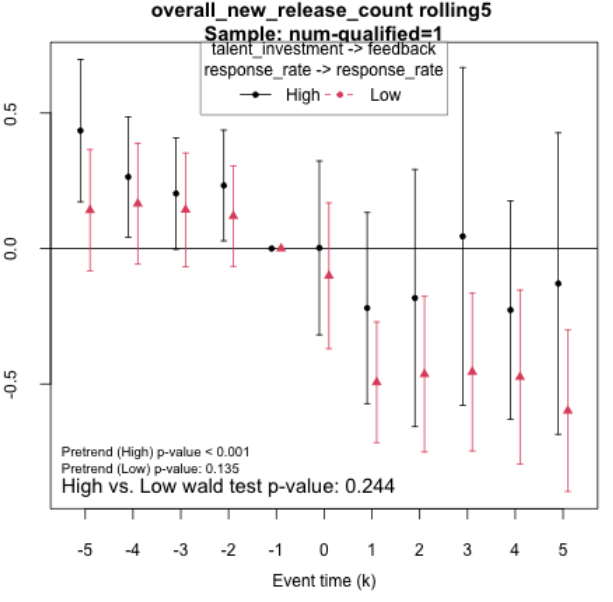

major_minor_release_count rolling5
Sample: num-qualified=1
talent_investment -> feedback
feedback_quantity -> avg_all_disc_exclude_opener_count
High
Low
Pretrend (High) p-value: 0.005
Pretrend (Low) p-value: 0.884
High vs. Low wald test p-value: 0.221
Event time (k)

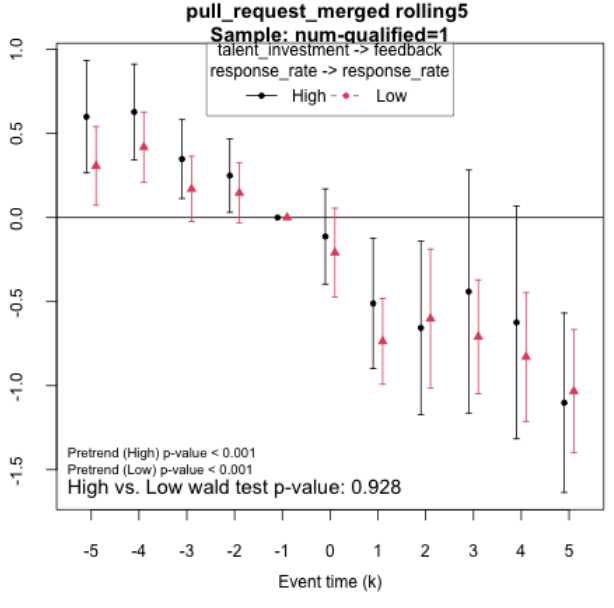

overall_new_release_count rolling5
Sample: num-qualified=1
talent_investment -> feedback
feedback_quantity -> avg_all_disc_exclude_opener_count
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.150
High vs. Low wald test p-value: 0.372
Event time (k)

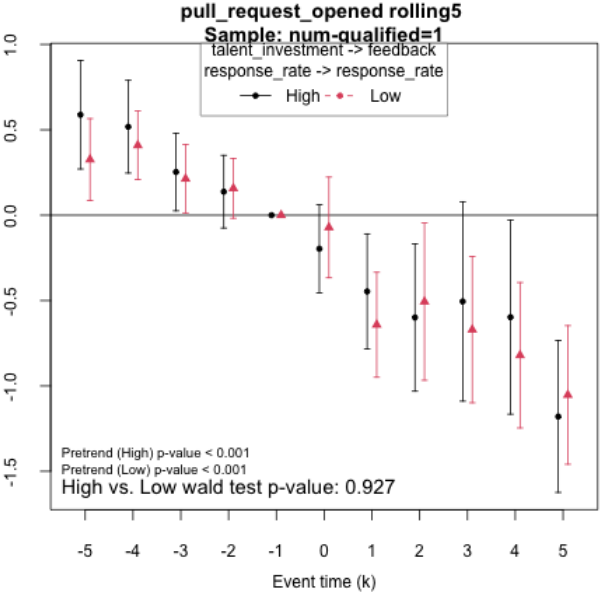

pull_request_merged rolling5
Sample: num-qualified=1
talent_investment -> feedback
feedback_quantity -> avg_all_disc_exclude_opener_count
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.920
Event time (k)

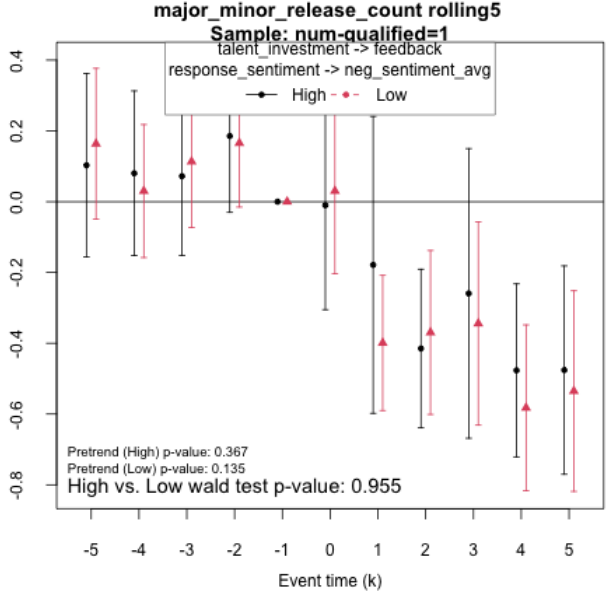

pull_request_opened rolling5
Sample: num-qualified=1
talent_investment -> feedback
feedback_quantity -> avg_all_disc_exclude_opener_count
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.914
Event time (k)

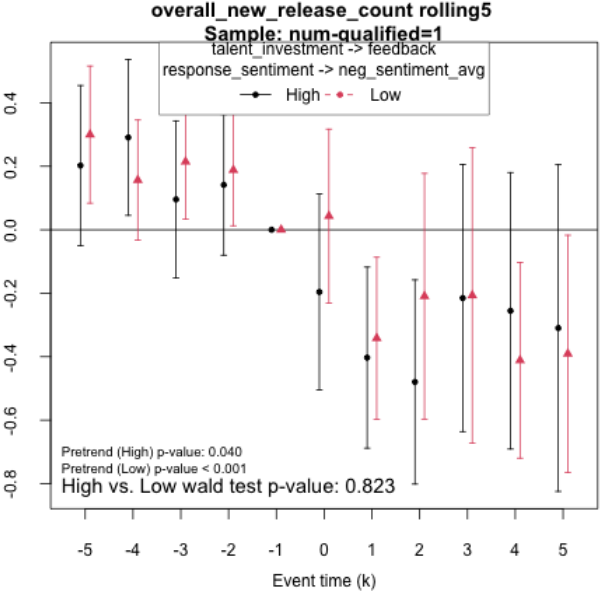

major_minor_release_count rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_rate -> response_rate
High
Low
Pretrend (High) p-value: 0.321
Pretrend (Low) p-value: 0.069
High vs. Low wald test p-value: 0.652
Event time (k)

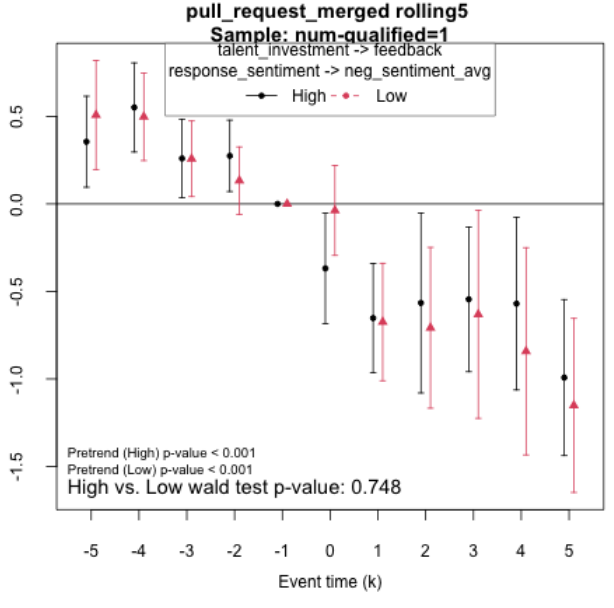

overall_new_release_count rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_rate -> response_rate
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.135
High vs. Low wald test p-value: 0.244
Event time (k)

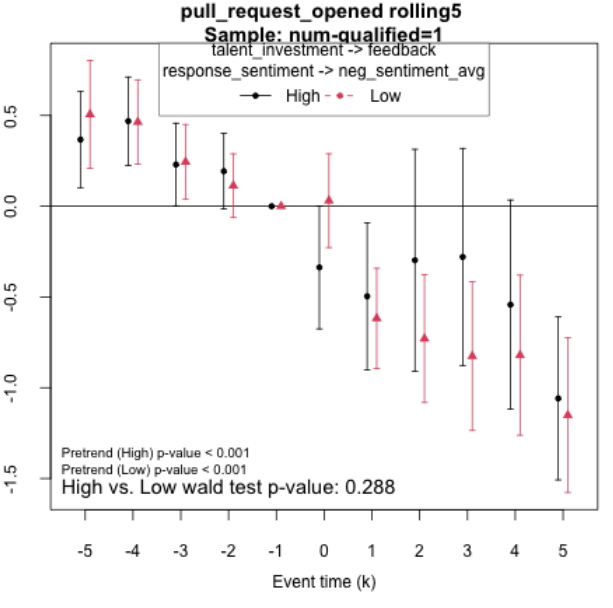

pull_request_merged rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_rate -> response_rate
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.928
Event time (k)

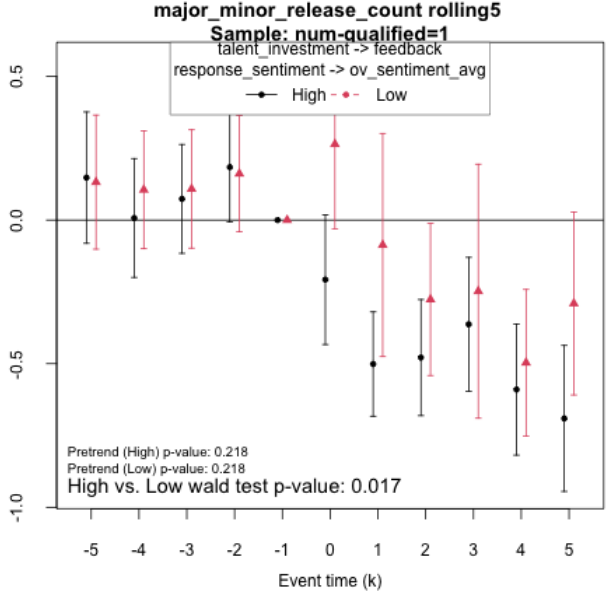

pull_request_opened rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_rate -> response_rate
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.927
Event time (k)

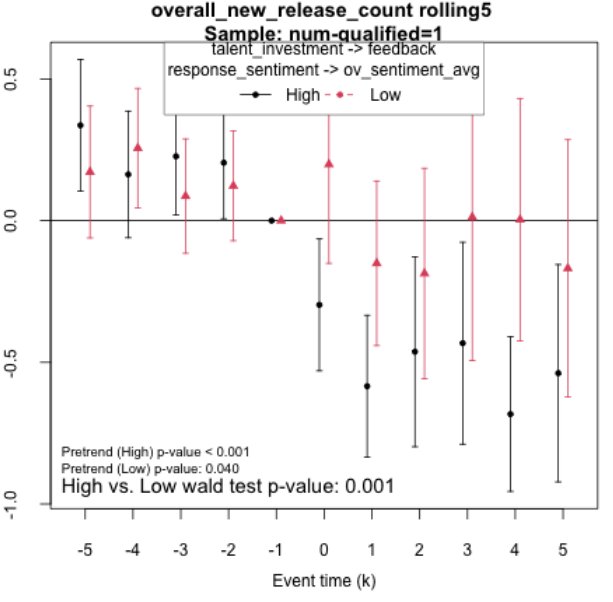

major_minor_release_count rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_sentiment -> neg_sentiment_avg
High
Low
Pretrend (High) p-value: 0.367
Pretrend (Low) p-value: 0.135
High vs. Low wald test p-value: 0.955
Event time (k)

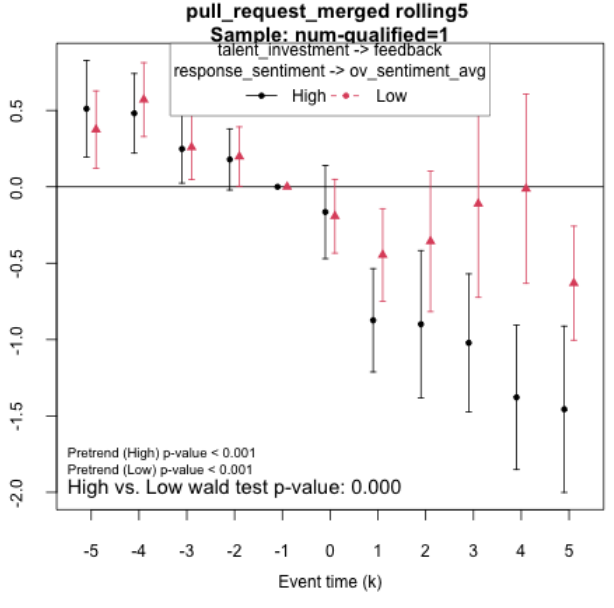

overall_new_release_count rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_sentiment -> neg_sentiment_avg
High
Low
Pretrend (High) p-value: 0.040
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.823
Event time (k)

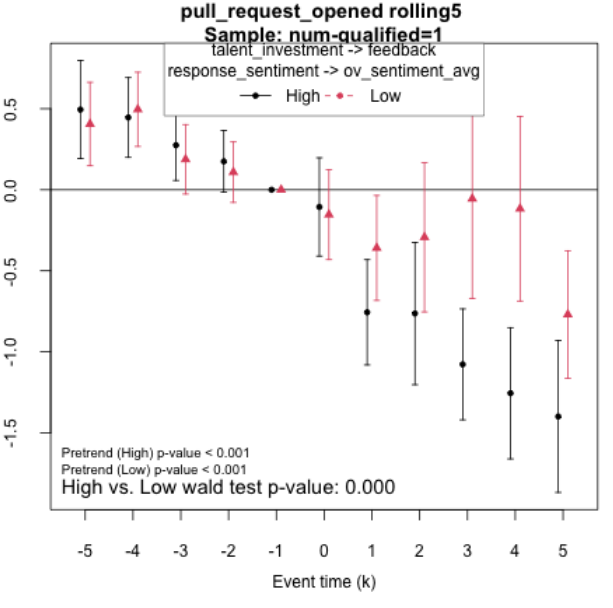

pull_request_merged rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_sentiment -> neg_sentiment_avg
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.748
Event time (k)

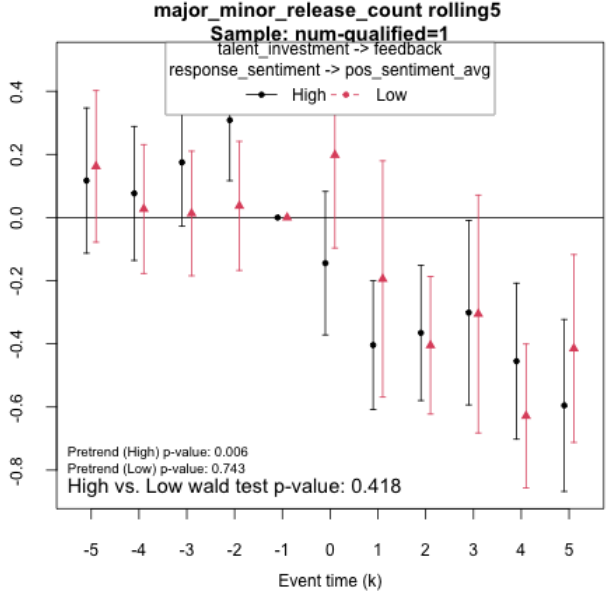

pull_request_opened rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_sentiment -> neg_sentiment_avg
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.288
Event time (k)

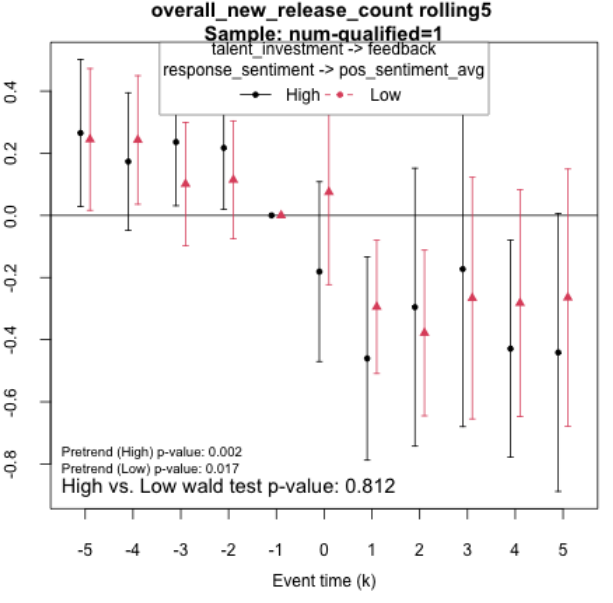

major_minor_release_count rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_sentiment -> ov_sentiment_avg
High
Low
Pretrend (High) p-value: 0.218
Pretrend (Low) p-value: 0.218
High vs. Low wald test p-value: 0.017
Event time (k)

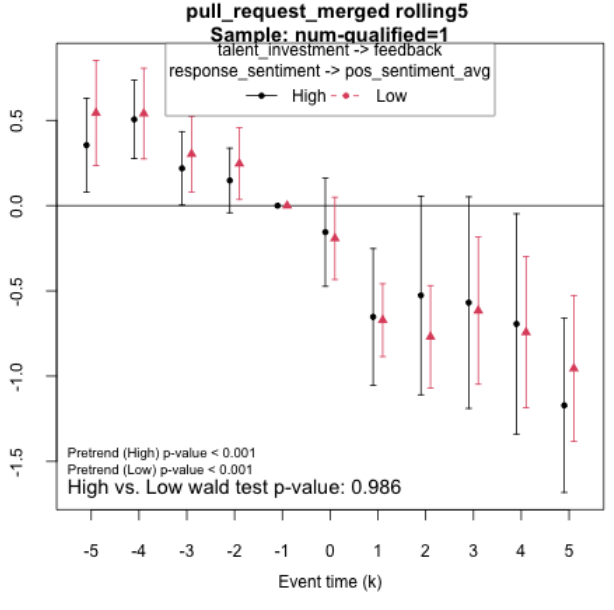

overall_new_release_count rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_sentiment -> ov_sentiment_avg
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.040
High vs. Low wald test p-value: 0.001
Event time (k)

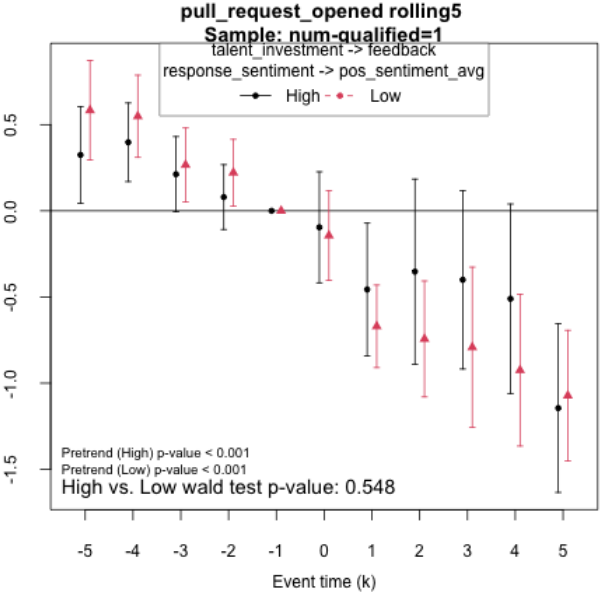

pull_request_merged rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_sentiment -> ov_sentiment_avg
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.000
Event time (k)

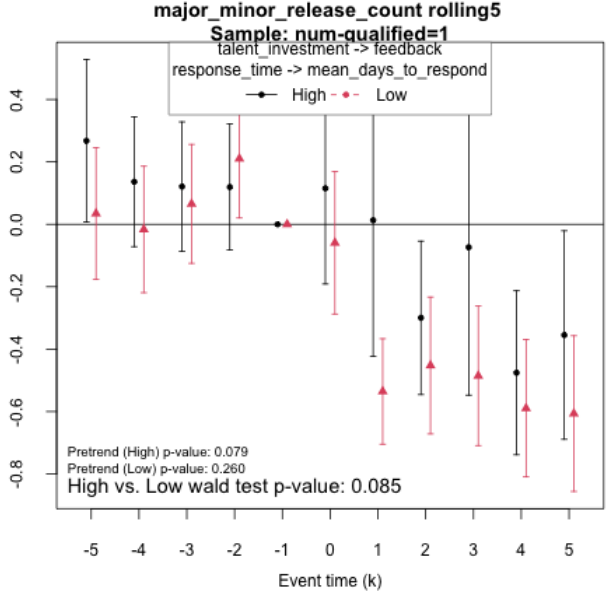

pull_request_opened rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_sentiment -> ov_sentiment_avg
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.000
Event time (k)

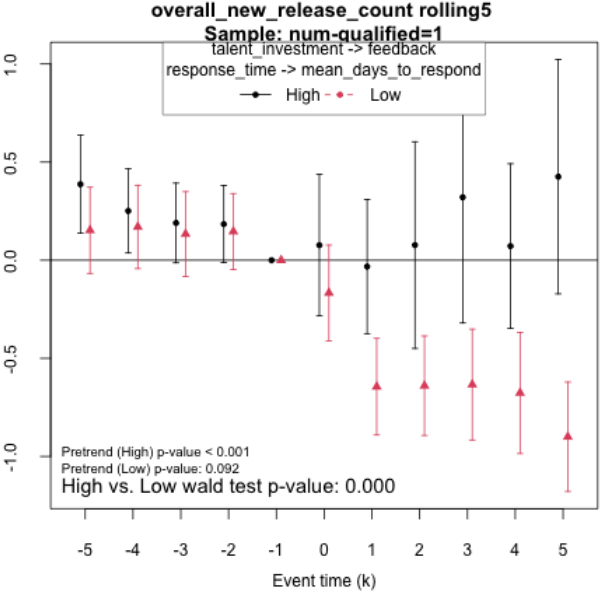

major_minor_release_count rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_sentiment -> pos_sentiment_avg
High
Low
Pretrend (High) p-value: 0.006
Pretrend (Low) p-value: 0.743
High vs. Low wald test p-value: 0.418
Event time (k)

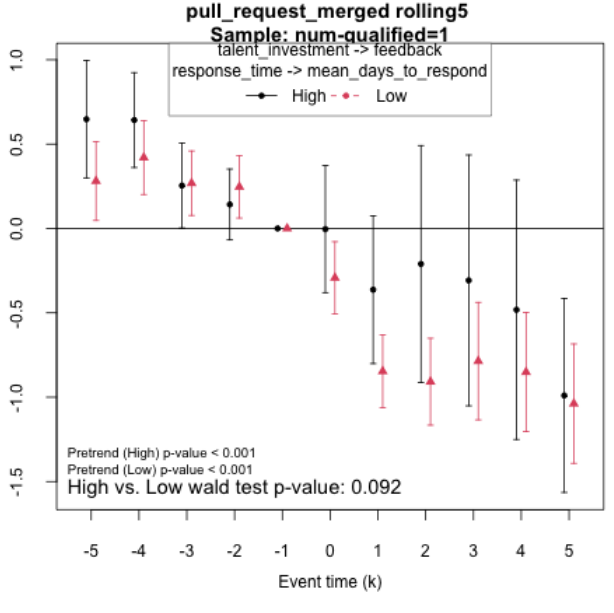

overall_new_release_count rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_sentiment -> pos_sentiment_avg
High
Low
Pretrend (High) p-value: 0.002
Pretrend (Low) p-value: 0.017
High vs. Low wald test p-value: 0.812
Event time (k)

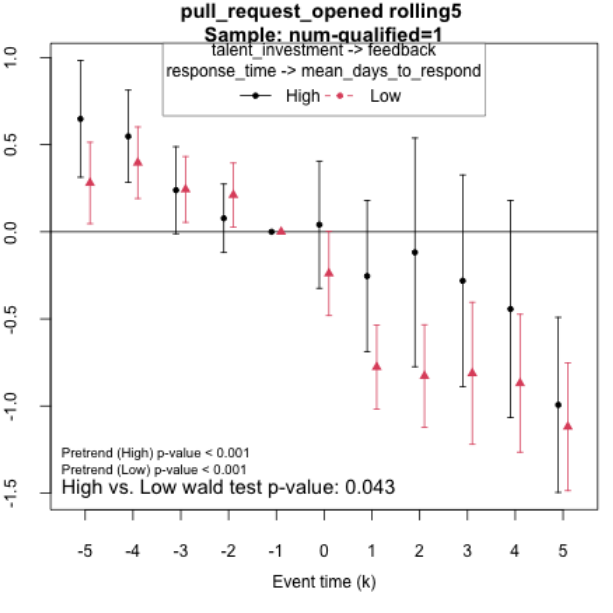

pull_request_merged rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_sentiment -> pos_sentiment_avg
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.986
Event time (k)

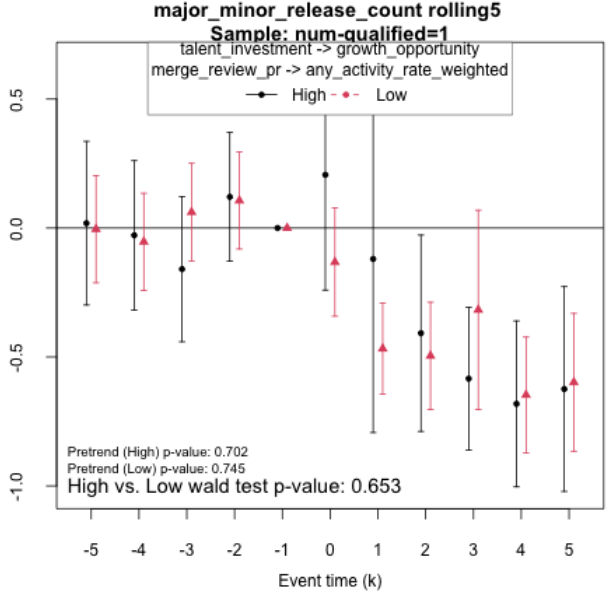

pull_request_opened rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_sentiment -> pos_sentiment_avg
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.548
Event time (k)

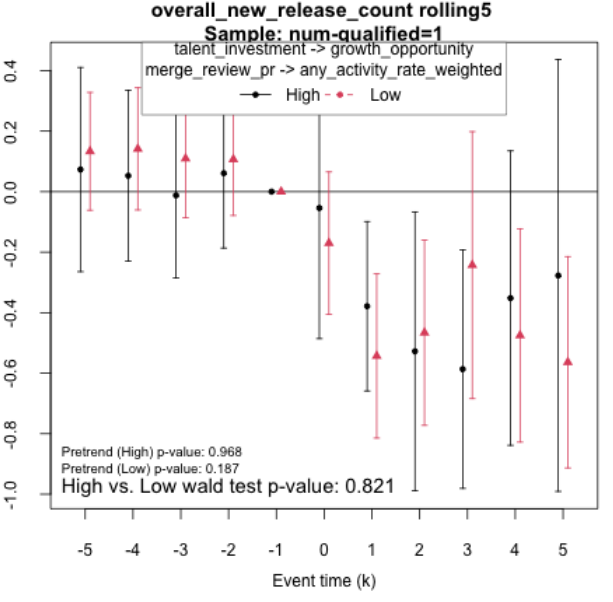

major_minor_release_count rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_time -> mean_days_to_respond
High
Low
Pretrend (High) p-value: 0.079
Pretrend (Low) p-value: 0.260
High vs. Low wald test p-value: 0.085
Event time (k)

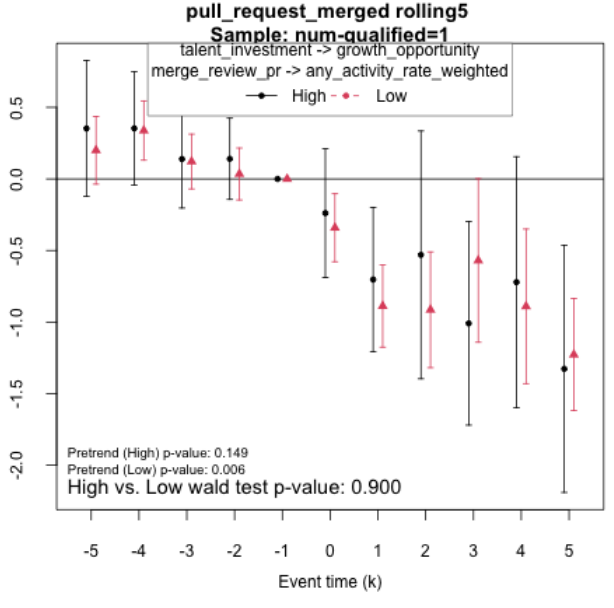

overall_new_release_count rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_time -> mean_days_to_respond
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value: 0.092
High vs. Low wald test p-value: 0.000
Event time (k)

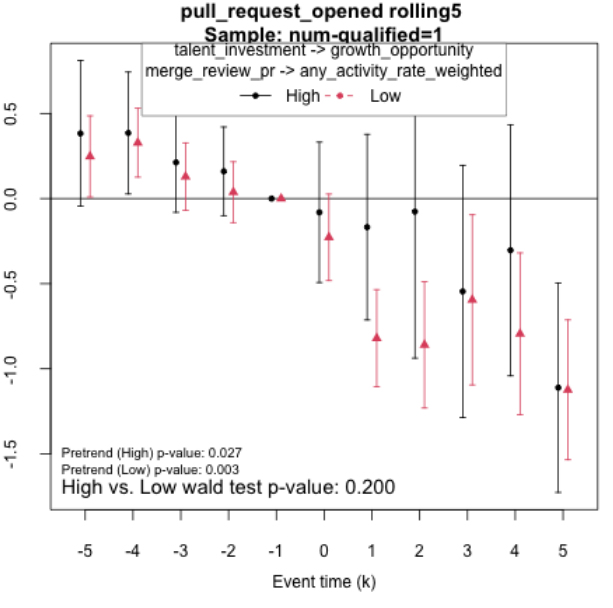

pull_request_merged rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_time -> mean_days_to_respond
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.092
Event time (k)

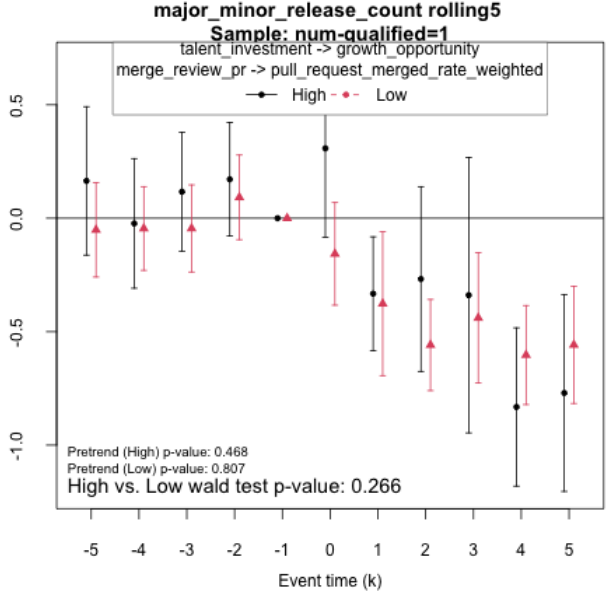

pull_request_opened rolling5
Sample: num-qualified=1
talent_investment -> feedback
response_time -> mean_days_to_respond
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.043
Event time (k)

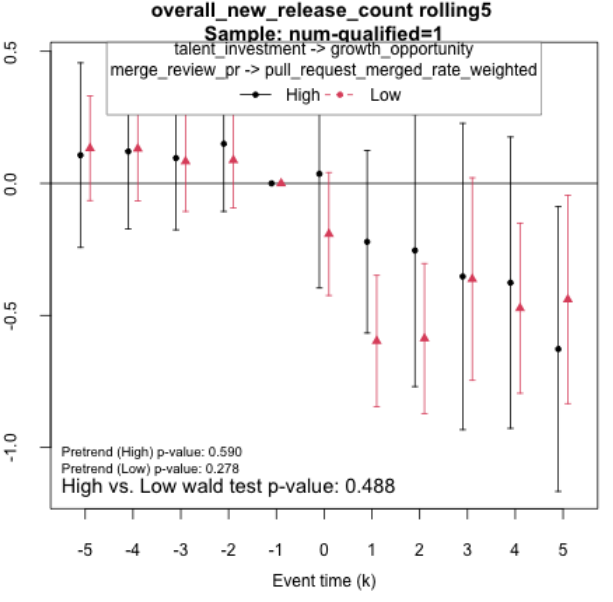

major_minor_release_count rolling5
Sample: num-qualified=1
talent_investment -> growth_opportunity
merge_review_pr -> any_activity_rate_weighted
High
Low
Pretrend (High) p-value: 0.702
Pretrend (Low) p-value: 0.745
High vs. Low wald test p-value: 0.653
Event time (k)

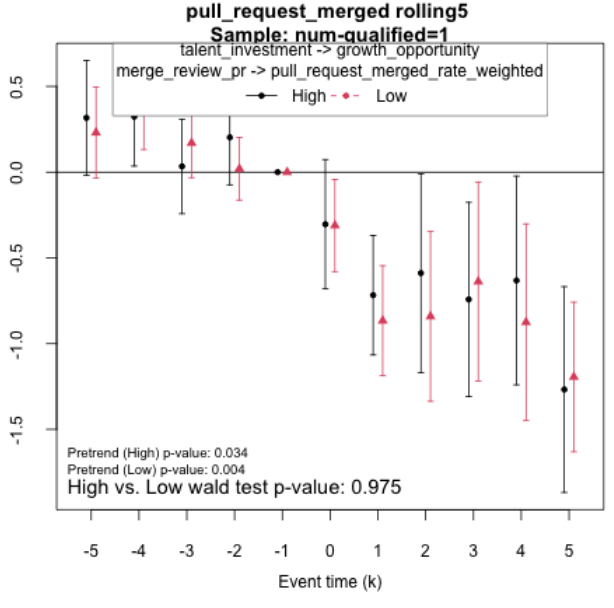

overall_new_release_count rolling5
Sample: num-qualified=1
talent_investment -> growth_opportunity
merge_review_pr -> any_activity_rate_weighted
High
Low
Pretrend (High) p-value: 0.968
Pretrend (Low) p-value: 0.187
High vs. Low wald test p-value: 0.821
Event time (k)

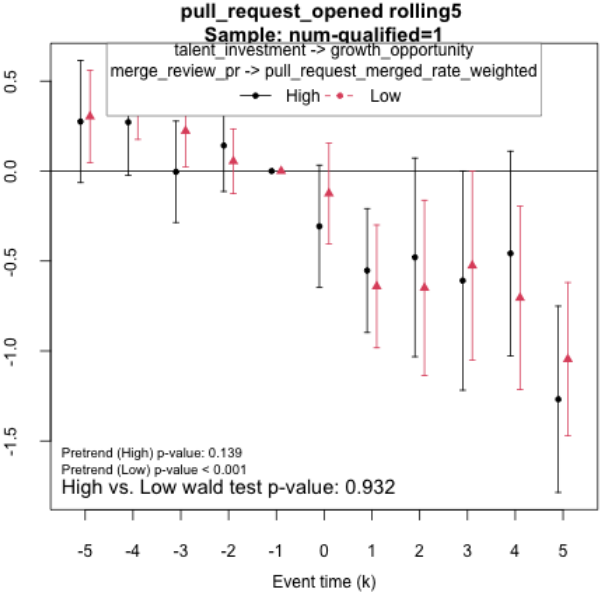

pull_request_merged rolling5
Sample: num-qualified=1
talent_investment -> growth_opportunity
merge_review_pr -> any_activity_rate_weighted
High
Low
Pretrend (High) p-value: 0.149
Pretrend (Low) p-value: 0.006
High vs. Low wald test p-value: 0.900
Event time (k)

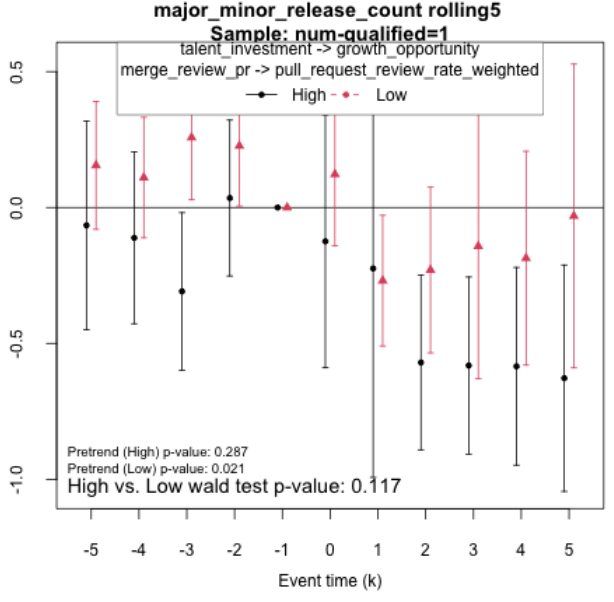

pull_request_opened rolling5
Sample: num-qualified=1
talent_investment -> growth_opportunity
merge_review_pr -> any_activity_rate_weighted
High
Low
Pretrend (High) p-value: 0.027
Pretrend (Low) p-value: 0.003
High vs. Low wald test p-value: 0.200
Event time (k)

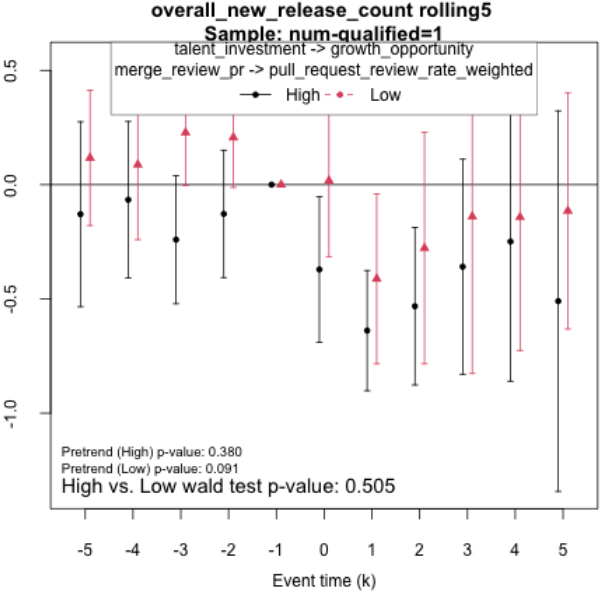

major_minor_release_count rolling5
Sample: num-qualified=1
talent_investment -> growth_opportunity
merge_review_pr -> pull_request_merged_rate_weighted
High
Low
Pretrend (High) p-value: 0.468
Pretrend (Low) p-value: 0.807
High vs. Low wald test p-value: 0.266
Event time (k)

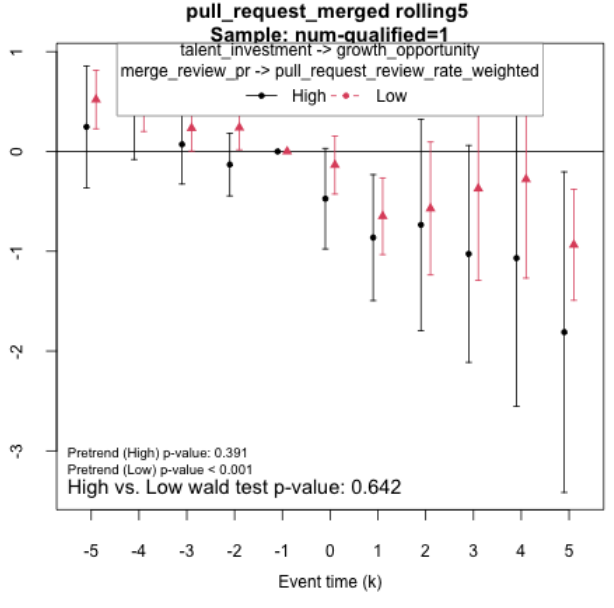

overall_new_release_count rolling5
Sample: num-qualified=1
talent_investment -> growth_opportunity
merge_review_pr -> pull_request_merged_rate_weighted
High
Low
Pretrend (High) p-value: 0.590
Pretrend (Low) p-value: 0.278
High vs. Low wald test p-value: 0.488
Event time (k)

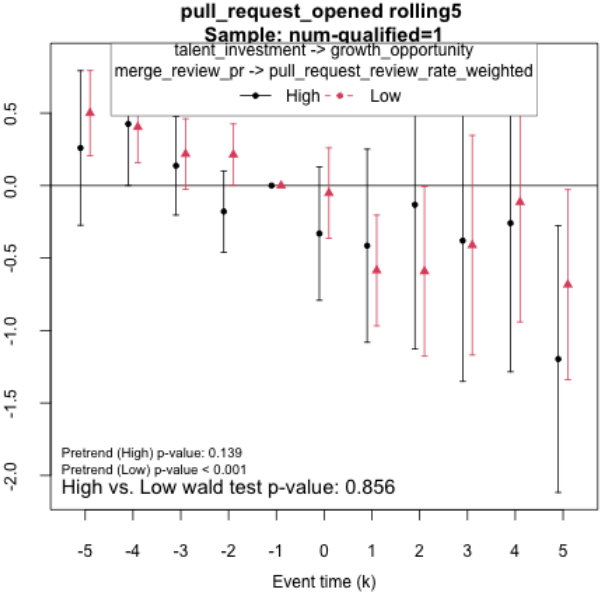

pull_request_merged rolling5
Sample: num-qualified=1
talent_investment -> growth_opportunity
merge_review_pr -> pull_request_merged_rate_weighted
High
Low
Pretrend (High) p-value: 0.034
Pretrend (Low) p-value: 0.004
High vs. Low wald test p-value: 0.975
Event time (k)

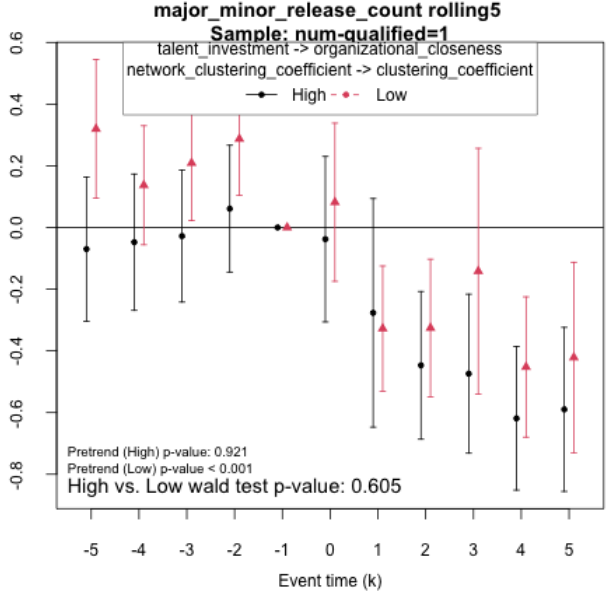

pull_request_opened rolling5
Sample: num-qualified=1
talent_investment -> growth_opportunity
merge_review_pr -> pull_request_merged_rate_weighted
High
Low
Pretrend (High) p-value: 0.139
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.932
Event time (k)

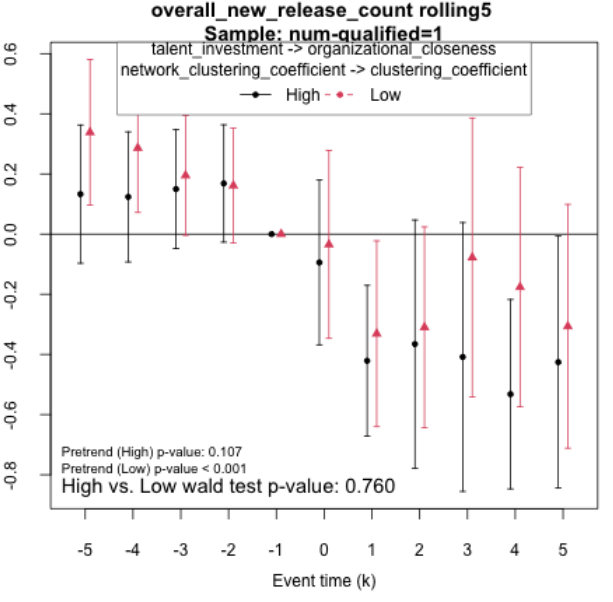

major_minor_release_count rolling5
Sample: num-qualified=1
talent_investment -> growth_opportunity
merge_review_pr -> pull_request_review_rate_weighted
High
Low
Pretrend (High) p-value: 0.287
Pretrend (Low) p-value: 0.021
High vs. Low wald test p-value: 0.117
Event time (k)

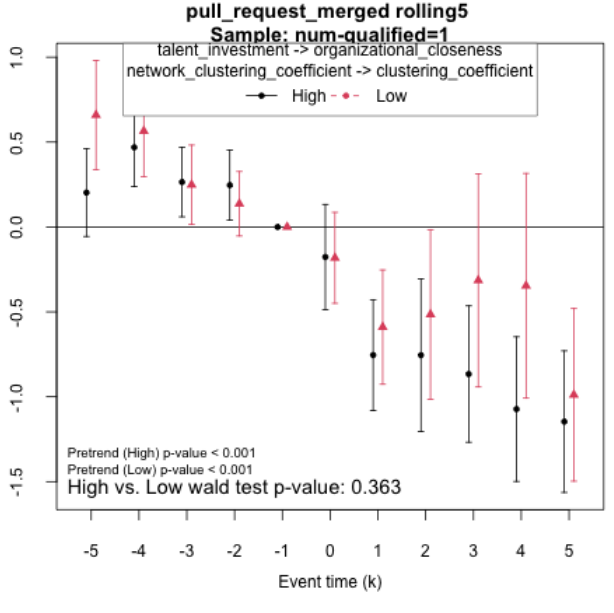

overall_new_release_count rolling5
Sample: num-qualified=1
talent_investment -> growth_opportunity
merge_review_pr -> pull_request_review_rate_weighted
High
Low
Pretrend (High) p-value: 0.380
Pretrend (Low) p-value: 0.091
High vs. Low wald test p-value: 0.505
Event time (k)

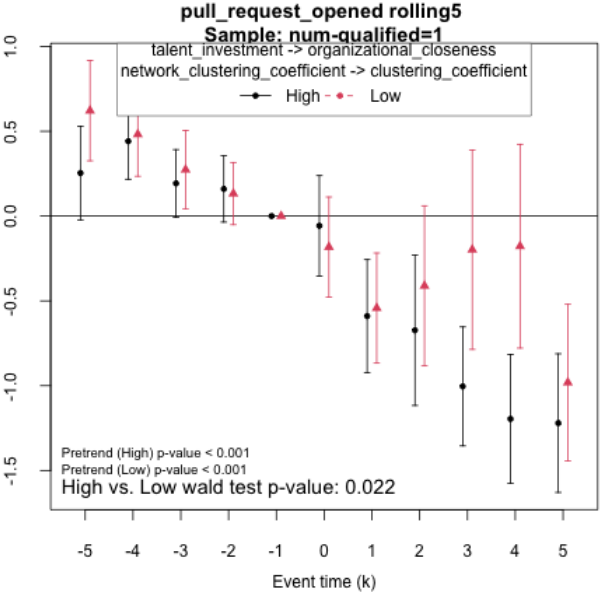

pull_request_merged rolling5
Sample: num-qualified=1
talent_investment -> growth_opportunity
merge_review_pr -> pull_request_review_rate_weighted
High
Low
Pretrend (High) p-value: 0.391
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.642
Event time (k)


pull_request_opened rolling5
Sample: num-qualified=1
talent_investment -> growth_opportunity
merge_review_pr -> pull_request_review_rate_weighted
High
Low
Pretrend (High) p-value: 0.139
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.856
Event time (k)


major_minor_release_count rolling5
Sample: num-qualified=1
talent_investment -> organizational_closeness
network_clustering_coefficient -> clustering_coefficient
High
Low
Pretrend (High) p-value: 0.921
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.605
Event time (k)


overall_new_release_count rolling5
Sample: num-qualified=1
talent_investment -> organizational_closeness
network_clustering_coefficient -> clustering_coefficient
High
Low
Pretrend (High) p-value: 0.107
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.760
Event time (k)


pull_request_merged rolling5
Sample: num-qualified=1
talent_investment -> organizational_closeness
network_clustering_coefficient -> clustering_coefficient
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.363
Event time (k)


pull_request_opened rolling5
Sample: num-qualified=1
talent_investment -> organizational_closeness
network_clustering_coefficient -> clustering_coefficient
High
Low
Pretrend (High) p-value < 0.001
Pretrend (Low) p-value < 0.001
High vs. Low wald test p-value: 0.022
Event time (k)