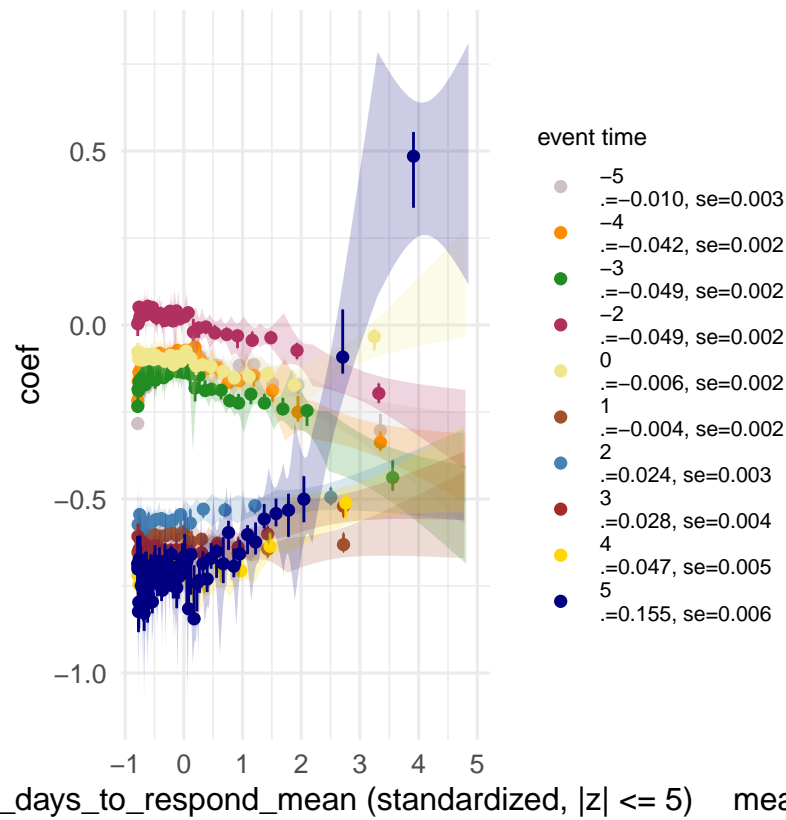
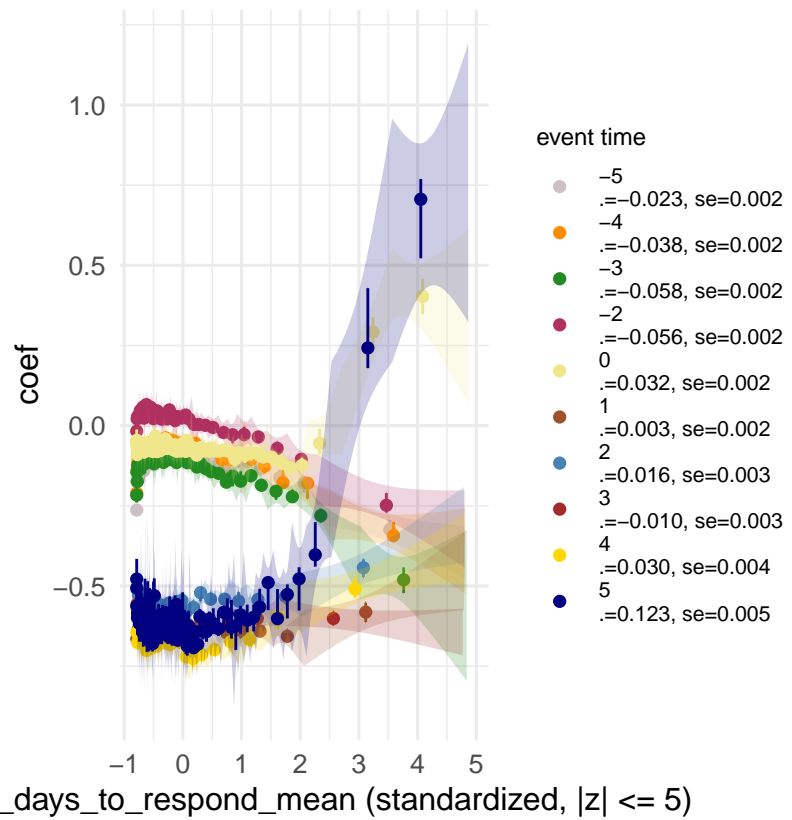


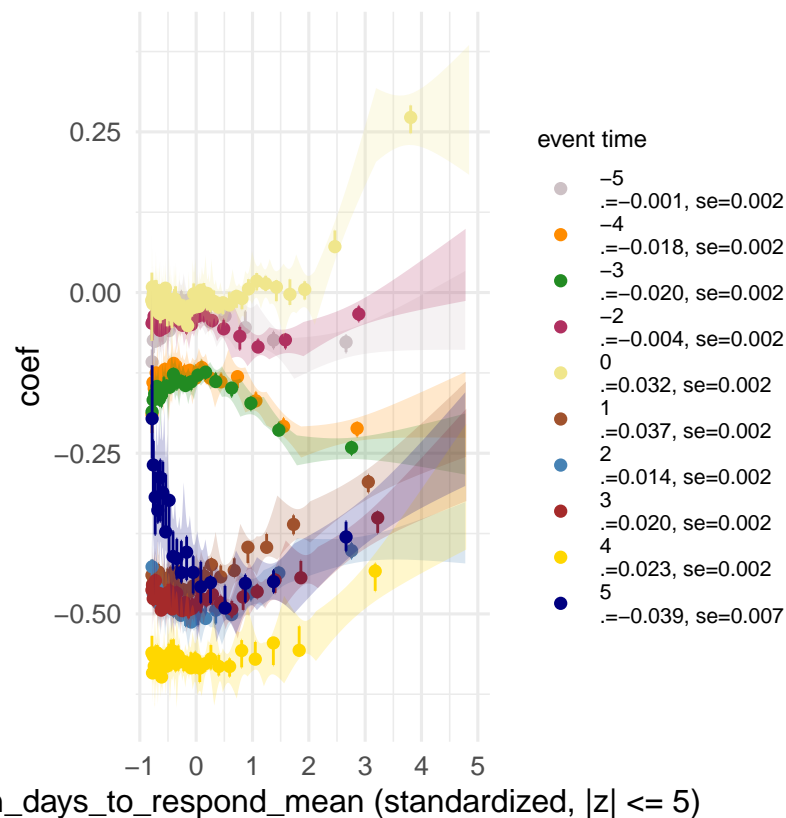
Binscatter of Event-study Coefficients
 Outcome: pull_request_opened (rolling1, top15)
 talent_investment -> feedback
 response_time -> mean_days_to_respond
 Rank: 2, Importance: 0.141



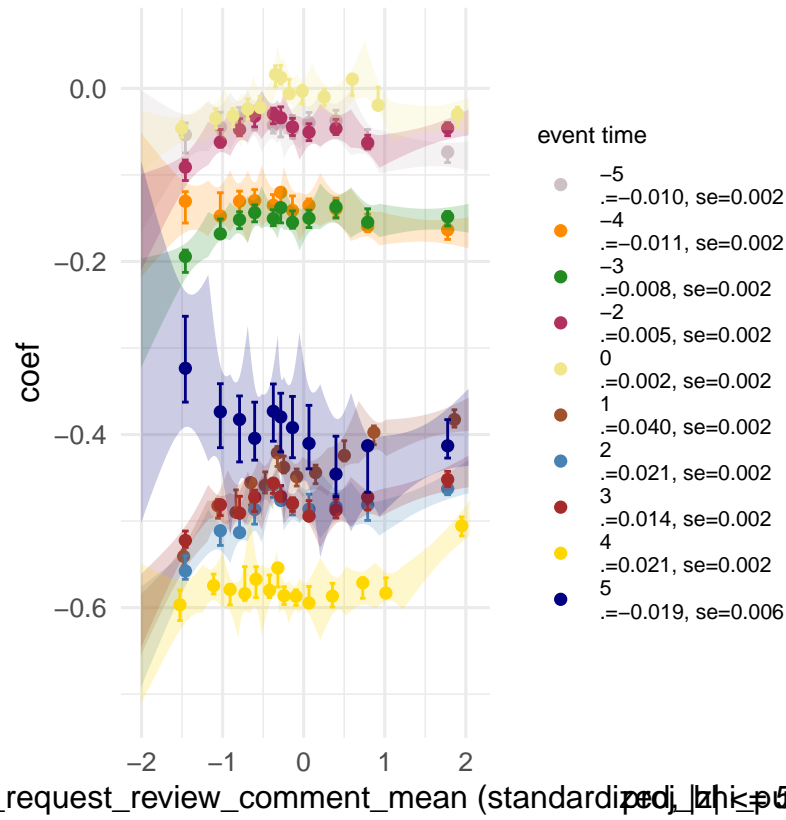
Binscatter of Event-study Coefficients
 Outcome: pull_request_merged (rolling1, top15)
 talent_investment -> feedback
 response_time -> mean_days_to_respond
 Rank: 1, Importance: 0.17



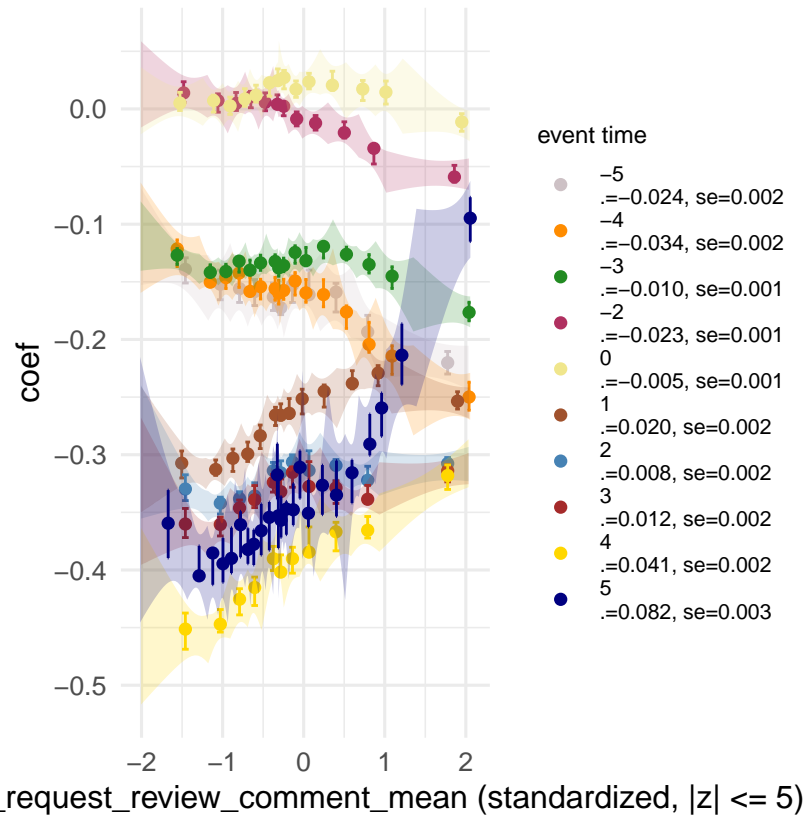
Binscatter of Event-study Coefficients
 Outcome: overall_new_release_count (rolling1, top15)
 talent_investment -> feedback
 response_time -> mean_days_to_respond
 Rank: 1, Importance: 0.177



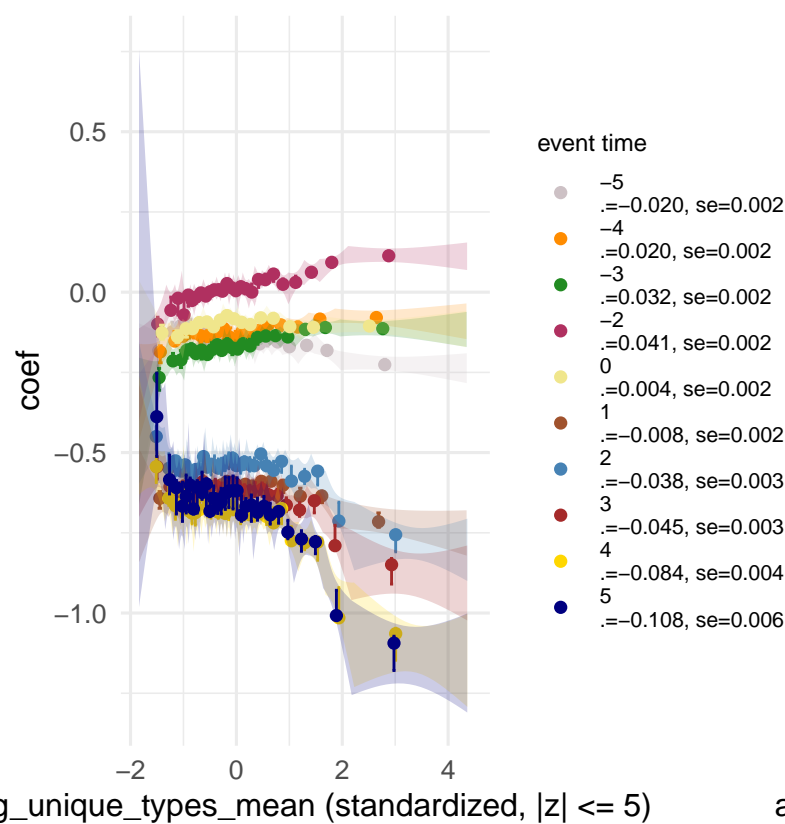
Binscatter of Event-study Coefficients
Outcome: overall_new_release_count (rolling1, top15)
knowledge_redundancy -> collaboration
hhi -> proj_hhi_pull_request_review_comment
Rank: 2, Importance: 0.169



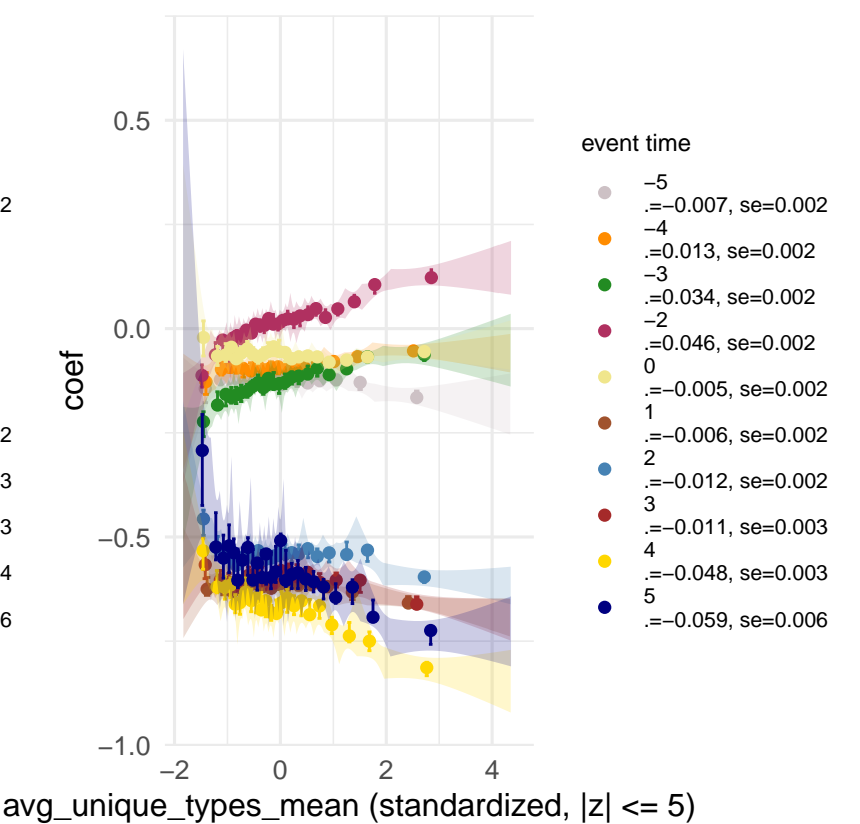
Binscatter of Event-study Coefficients
Outcome: major_minor_release_count (rolling1, top15)
knowledge_redundancy -> collaboration
hhi -> proj_hhi_pull_request_review_comment
Rank: 2, Importance: 0.142



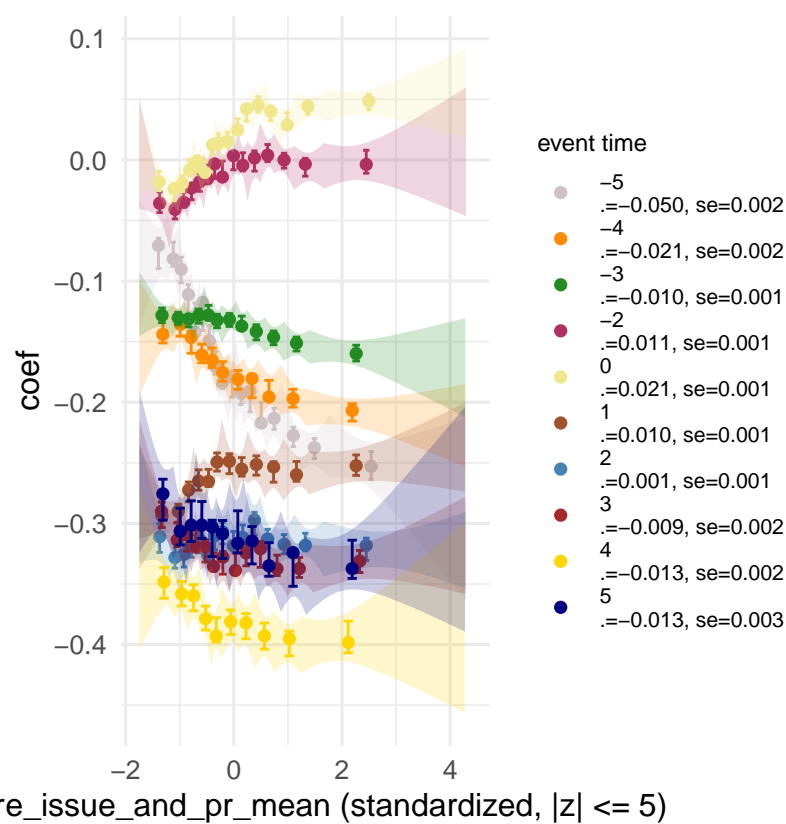
Binscatter of Event-study Coefficients
Outcome: pull_request_opened (rolling1, top15)
knowledge_redundancy -> broad_expertise
activity_diversity_count -> avg_unique_types
Rank: 3, Importance: 0.131



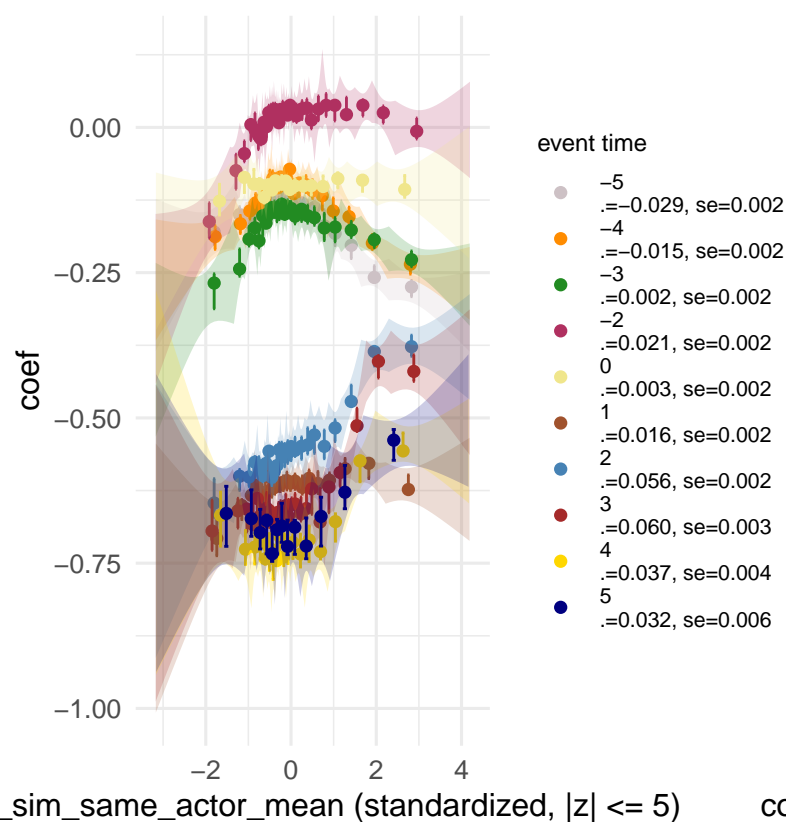
Binscatter of Event-study Coefficients
Outcome: pull_request_merged (rolling1, top15)
knowledge_redundancy -> broad_expertise
activity_diversity_count -> avg_unique_types
Rank: 3, Importance: 0.149



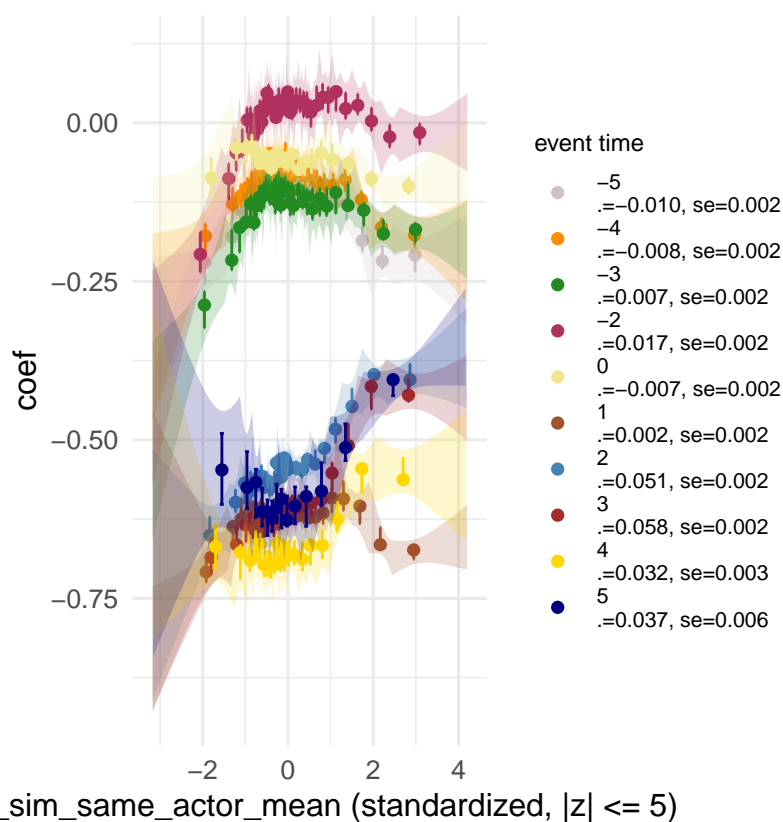
Binscatter of Event-study Coefficients
Outcome: major_minor_release_count (rolling1, top15)
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_issue_and_pr
Rank: 3, Importance: 0.104



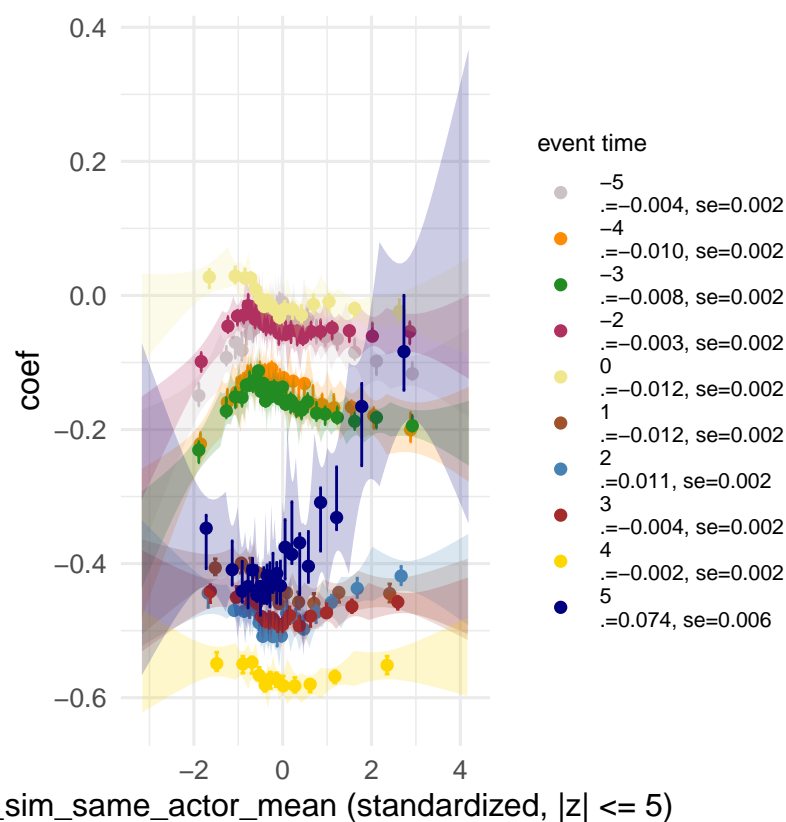
Binscatter of Event-study Coefficients
 Outcome: pull_request_opened (rolling1, top15)
 knowledge_redundancy → broad_expertise
 discussion_content → cos_sim_same_actor
 Rank: 4, Importance: 0.097



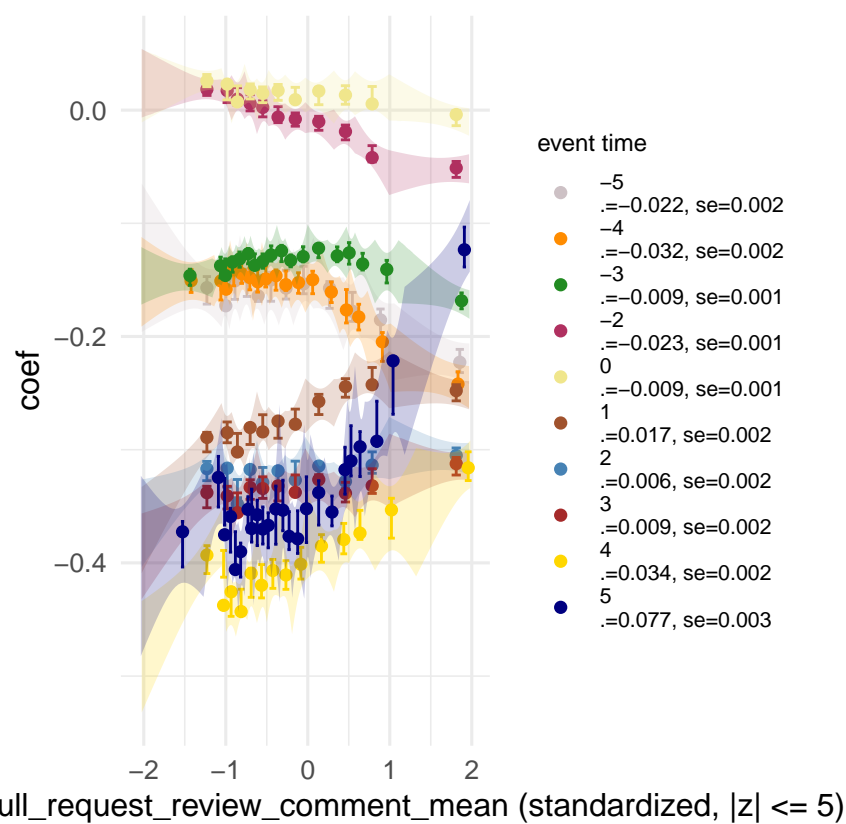
Binscatter of Event-study Coefficients
 Outcome: pull_request_merged (rolling1, top15)
 knowledge_redundancy → broad_expertise
 discussion_content → cos_sim_same_actor
 Rank: 4, Importance: 0.11



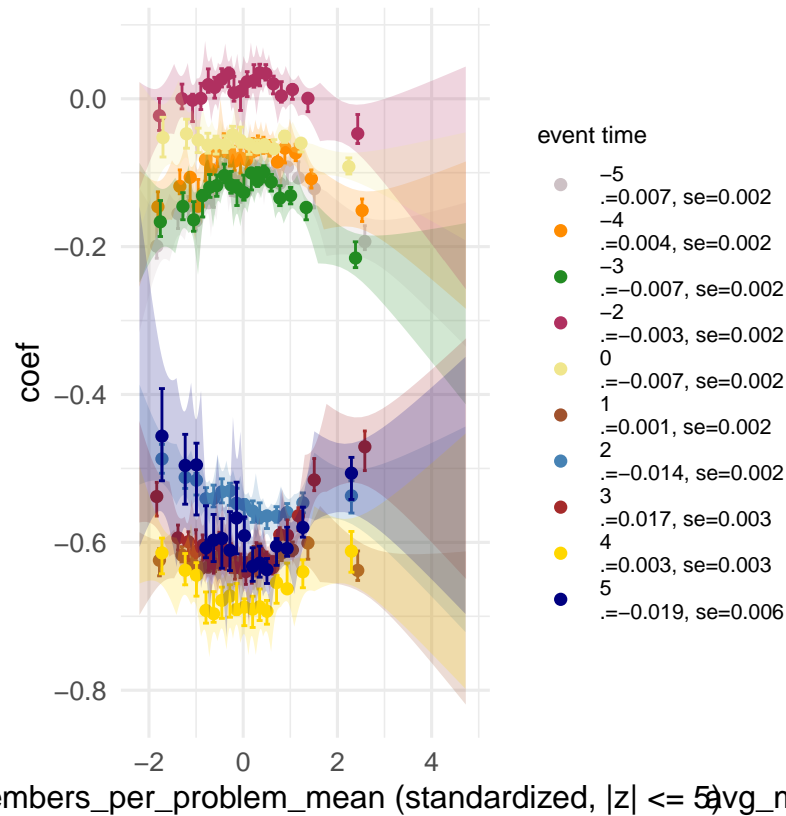
Binscatter of Event-study Coefficients
 Outcome: overall_new_release_count (rolling1, top15)
 knowledge_redundancy → broad_expertise
 discussion_content → cos_sim_same_actor
 Rank: 4, Importance: 0.144



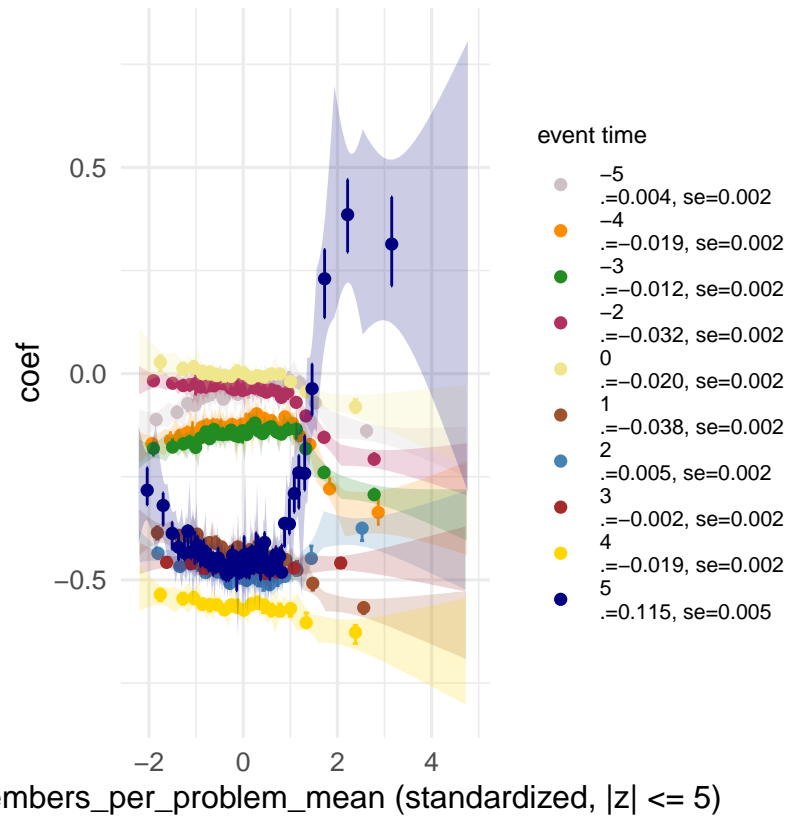
Binscatter of Event-study Coefficients
Outcome: major_minor_release_count (rolling1, top15)
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_review_comment
Rank: 4, Importance: 0.0868



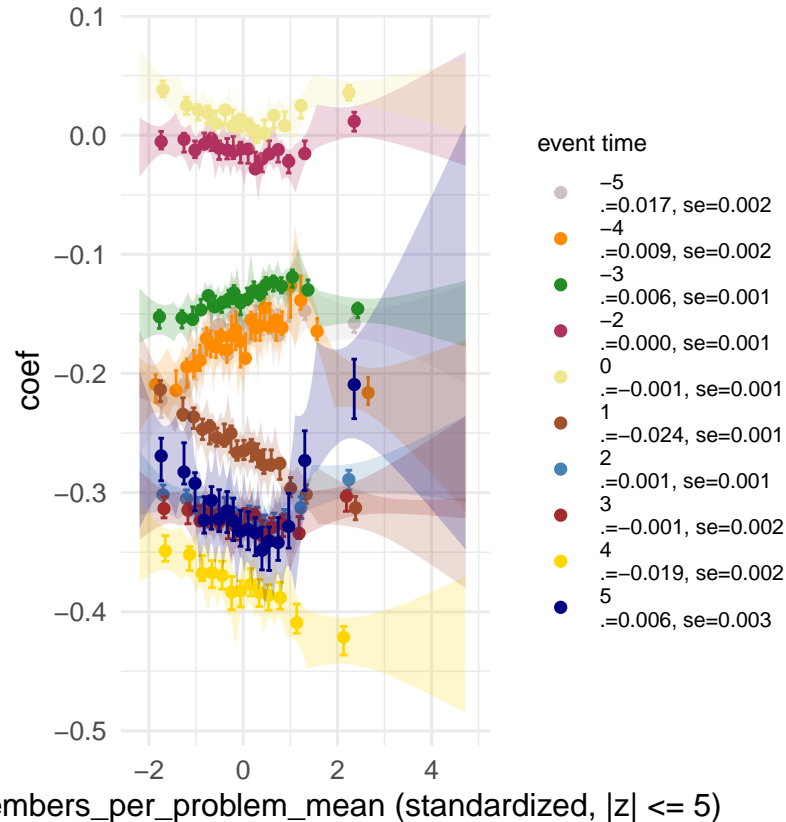
Binscatter of Event-study Coefficients
 Outcome: pull_request_merged (rolling1, top15)
 knowledge_redundancy → collaboration
 member_count → avg_members_per_problem
 Rank: 9, Importance: 0.0326



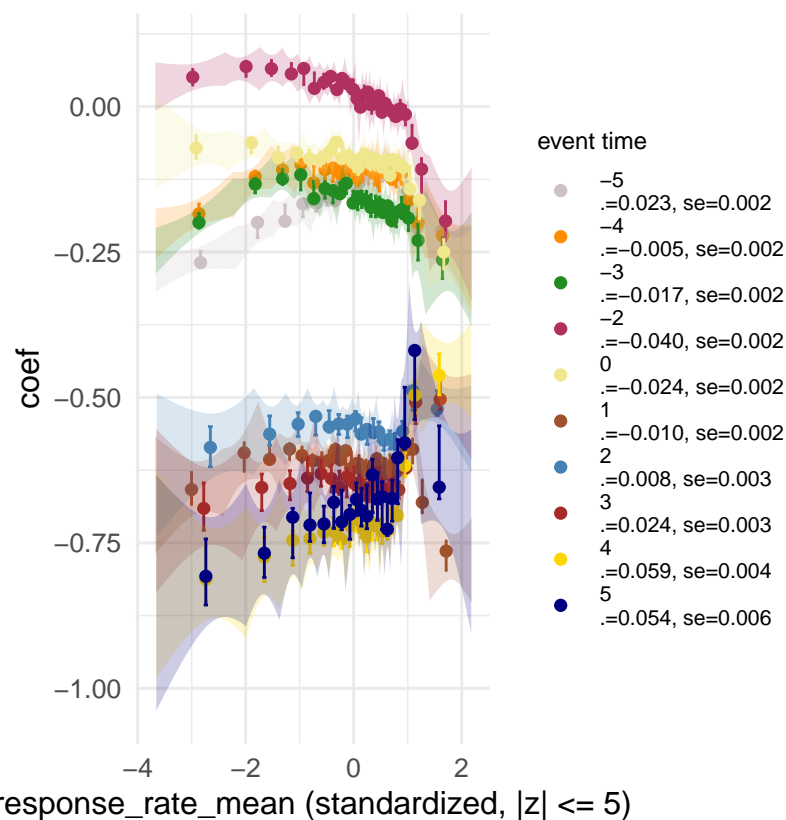
Binscatter of Event-study Coefficients
 Outcome: overall_new_release_count (rolling1, top15)
 knowledge_redundancy → collaboration
 member_count → avg_members_per_problem
 Rank: 3, Importance: 0.162



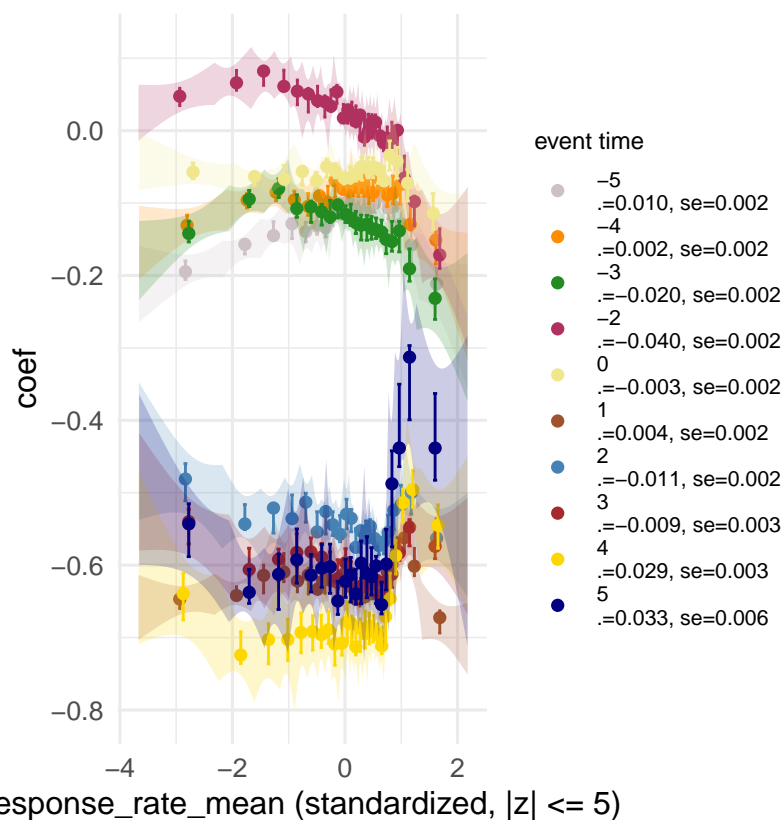
Binscatter of Event-study Coefficients
 Outcome: major_minor_release_count (rolling1, top15)
 knowledge_redundancy → collaboration
 member_count → avg_members_per_problem
 Rank: 1, Importance: 0.266



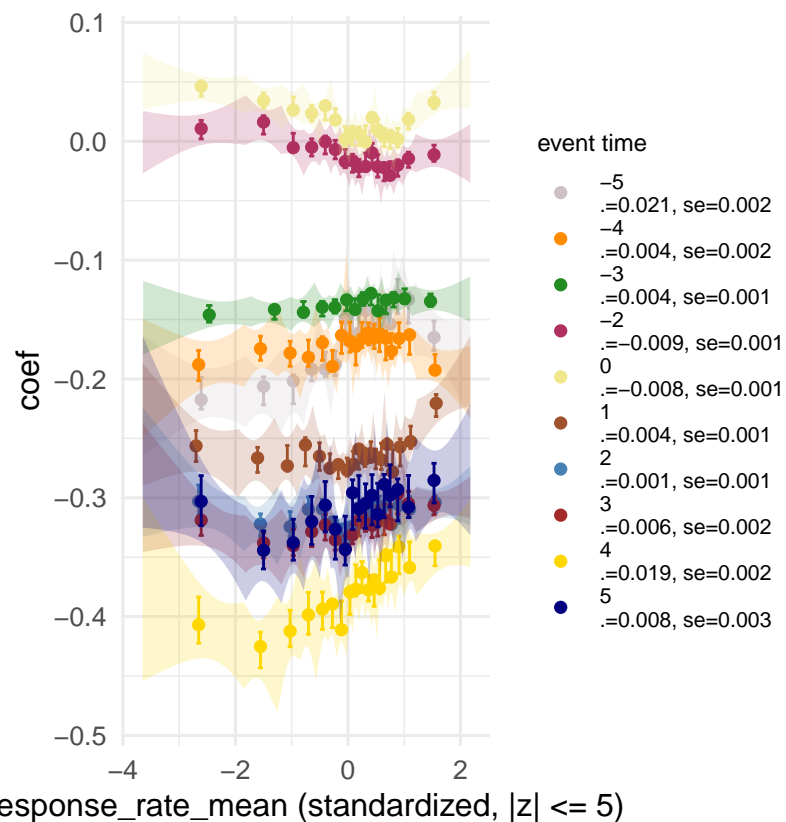
Binscatter of Event-study Coefficients
 Outcome: pull_request_opened (rolling1, top15)
 talent_investment → feedback
 response_rate → response_rate
 Rank: 1, Importance: 0.161



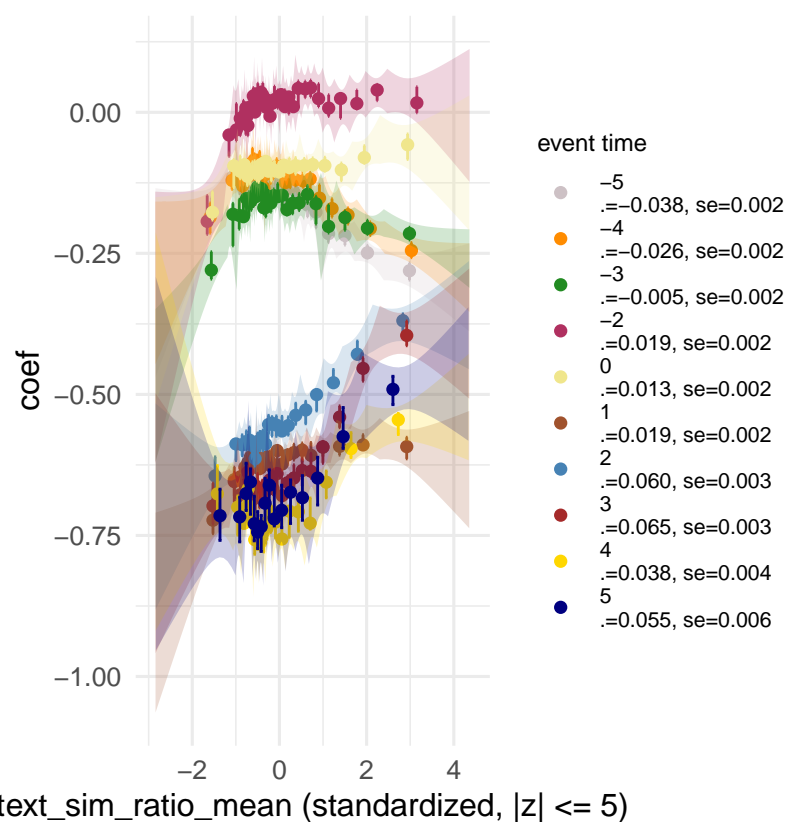
Binscatter of Event-study Coefficients
 Outcome: pull_request_merged (rolling1, top15)
 talent_investment → feedback
 response_rate → response_rate
 Rank: 7, Importance: 0.069



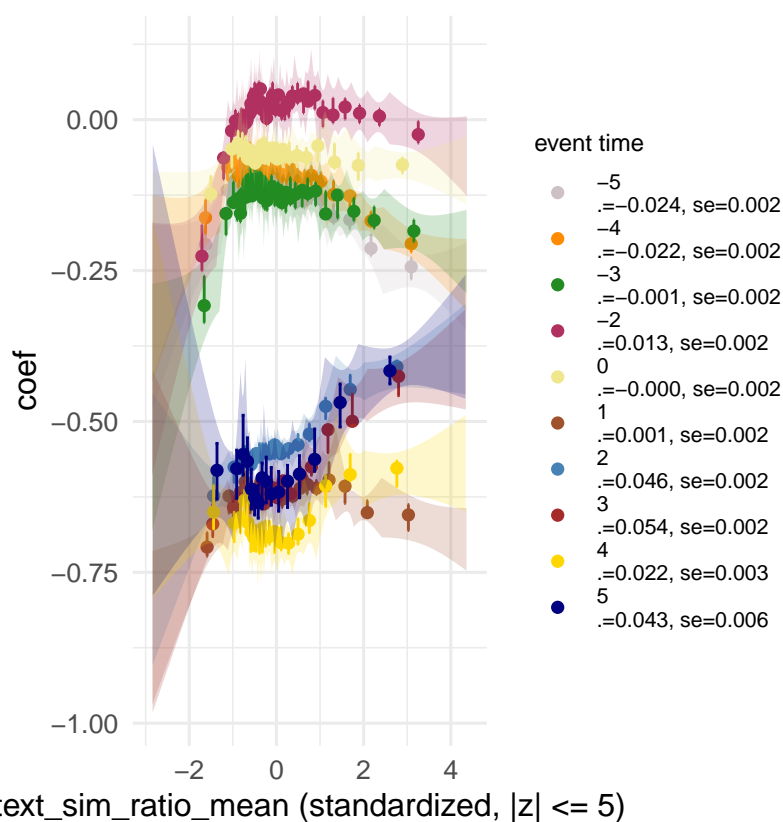
Binscatter of Event-study Coefficients
 Outcome: major_minor_release_count (rolling1, top15)
 talent_investment → feedback
 response_rate → response_rate
 Rank: 7, Importance: 0.0532



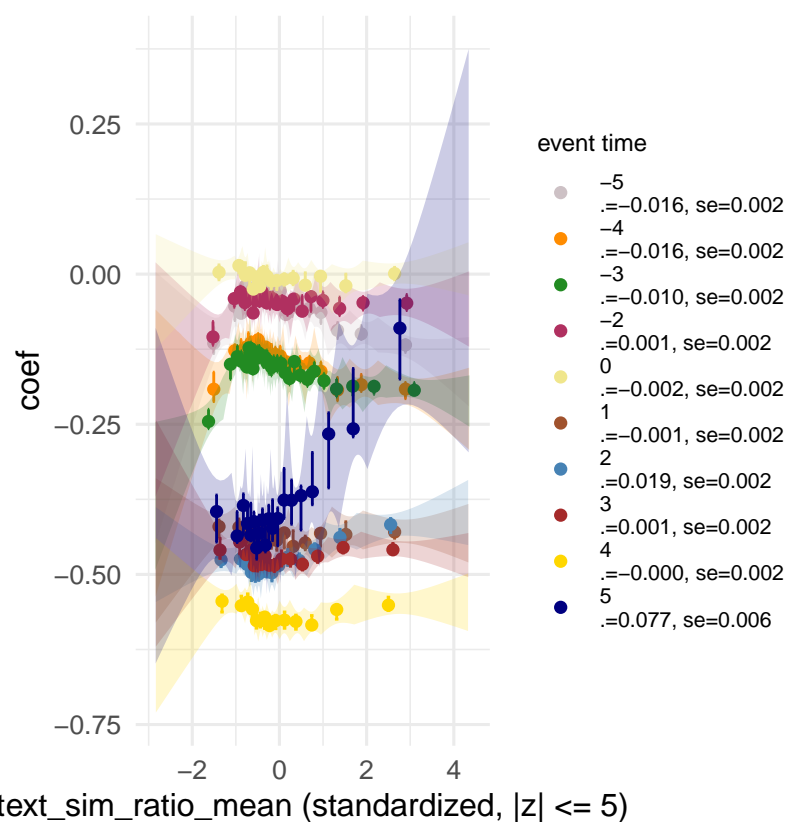
Binscatter of Event-study Coefficients
 Outcome: pull_request_opened (rolling1, top15)
 knowledge_redundancy → broad_expertise
 discussion_content → text_sim_ratio
 Rank: 7, Importance: 0.0885



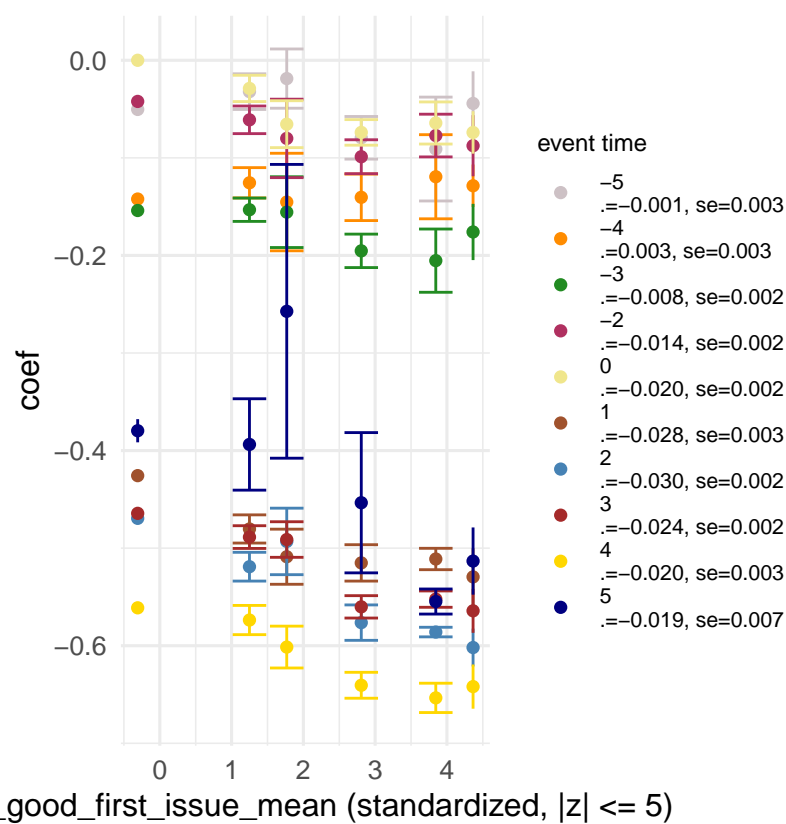
Binscatter of Event-study Coefficients
 Outcome: pull_request_merged (rolling1, top15)
 knowledge_redundancy → broad_expertise
 discussion_content → text_sim_ratio
 Rank: 2, Importance: 0.153



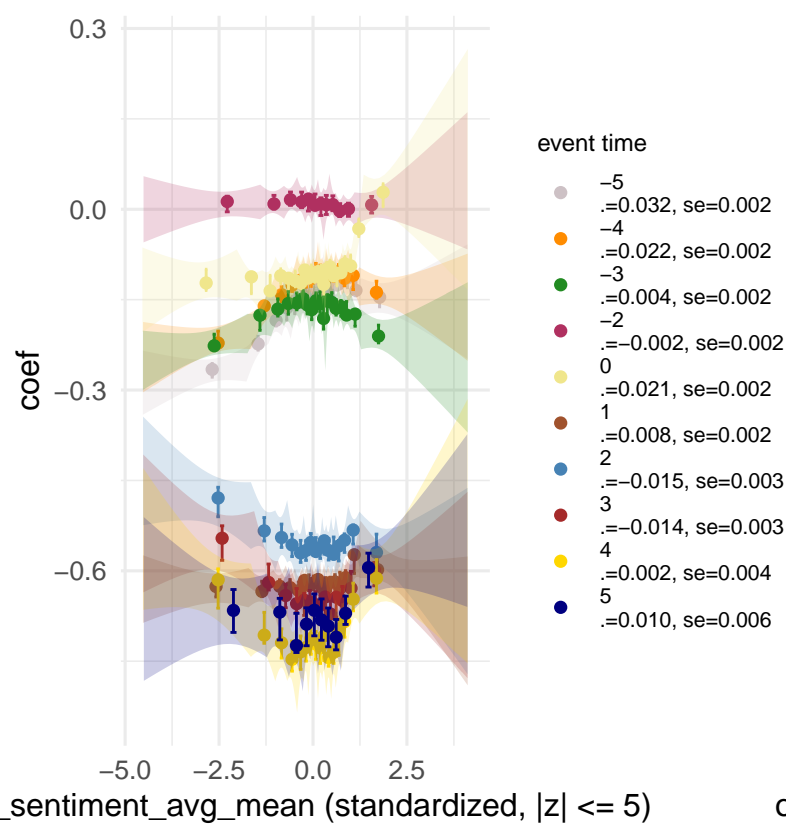
Binscatter of Event-study Coefficients
 Outcome: overall_new_release_count (rolling1, top15)
 knowledge_redundancy → broad_expertise
 discussion_content → text_sim_ratio
 Rank: 8, Importance: 0.0385



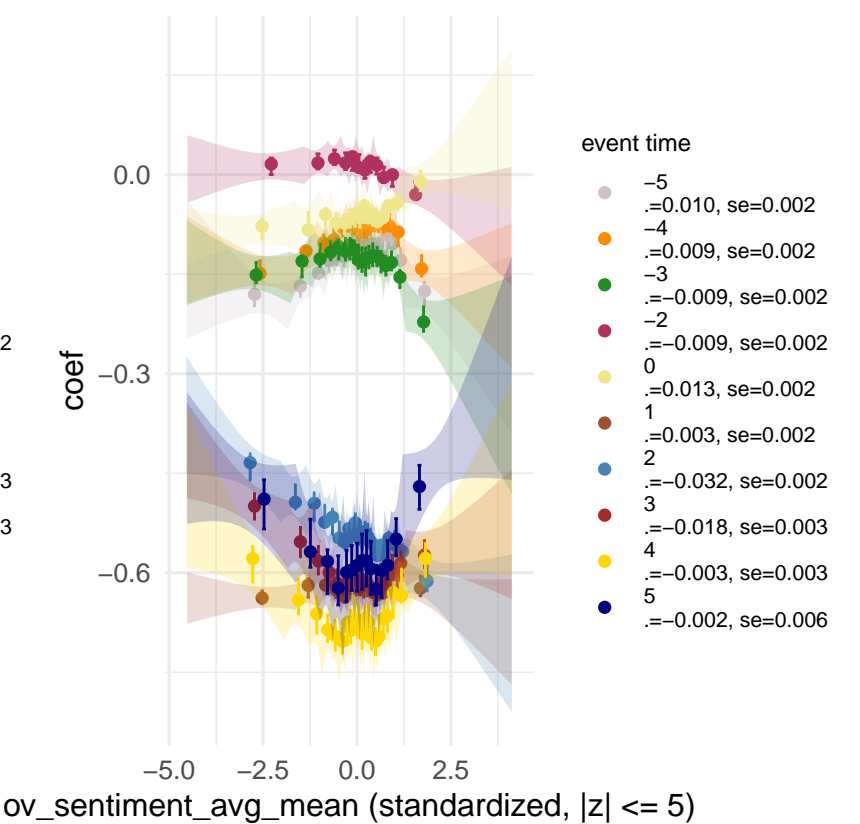
Binscatter of Event-study Coefficients
Outcome: overall_new_release_count (rolling1, top15)
organizational_routines -> newcomer_guidelines
good_first_issue -> has_good_first_issue
Rank: 6, Importance: 0.045



Binscatter of Event-study Coefficients
Outcome: pull_request_opened (rolling1, top15)
talent_investment -> feedback
response_sentiment -> ov_sentiment_avg
Rank: 6, Importance: 0.0916



Binscatter of Event-study Coefficients
Outcome: pull_request_merged (rolling1, top15)
talent_investment -> feedback
response_sentiment -> ov_sentiment_avg
Rank: 6, Importance: 0.077



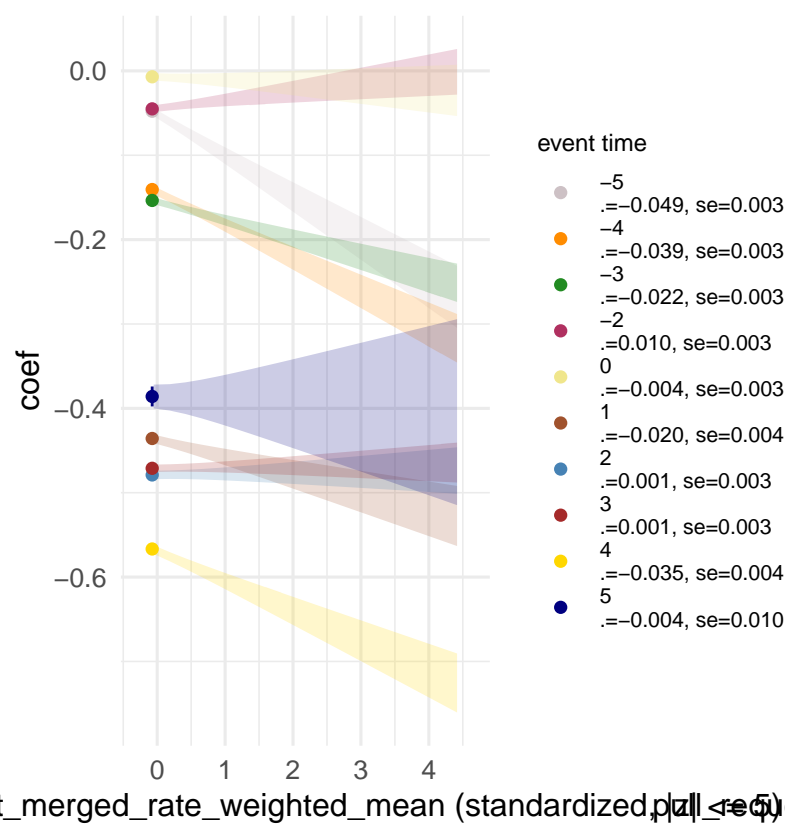
Binscatter of Event-study Coefficients

Outcome: overall_new_release_count (rolling1, top05)

talent_investment -> growth_opportunity

merge_review_pr -> pull_request_merged_rate_weighted

Rank: 7, Importance: 0.0386



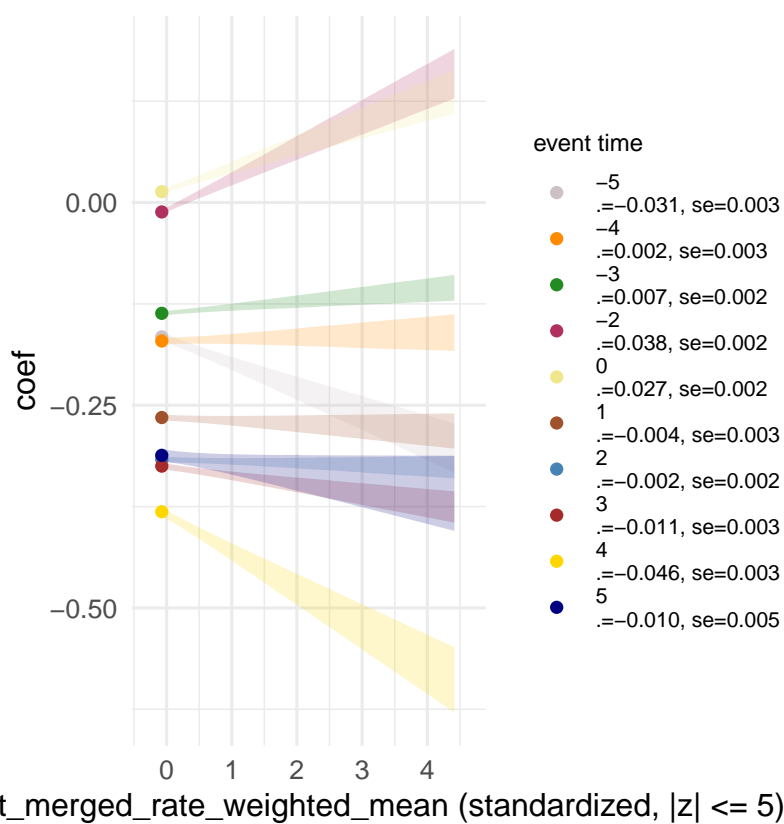
Binscatter of Event-study Coefficients

Outcome: major_minor_release_count (rolling1, top05)

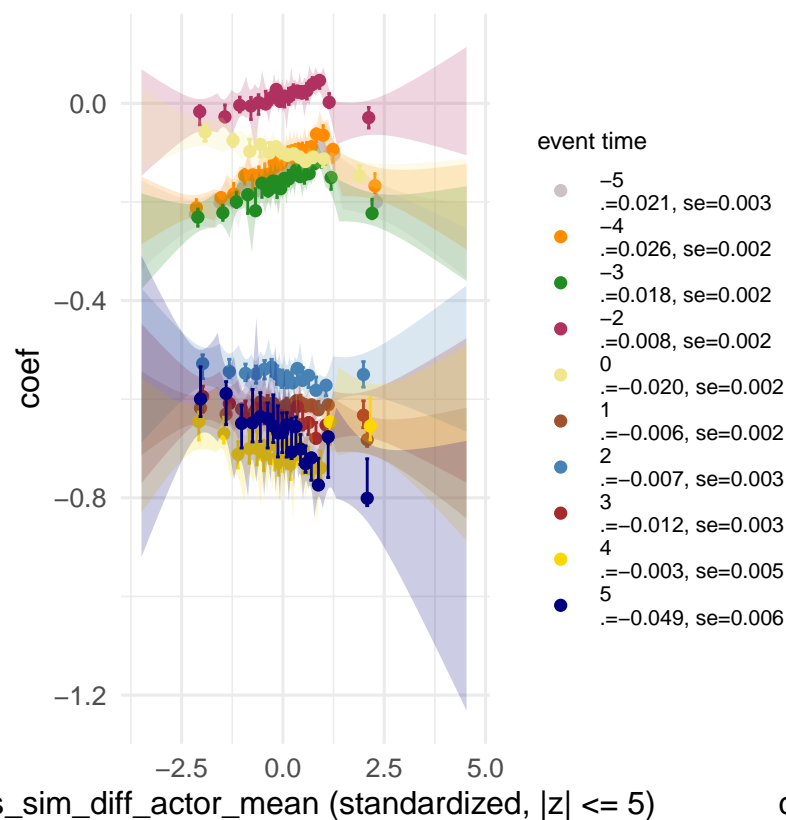
talent_investment -> growth_opportunity

merge_review_pr -> pull_request_merged_rate_weighted

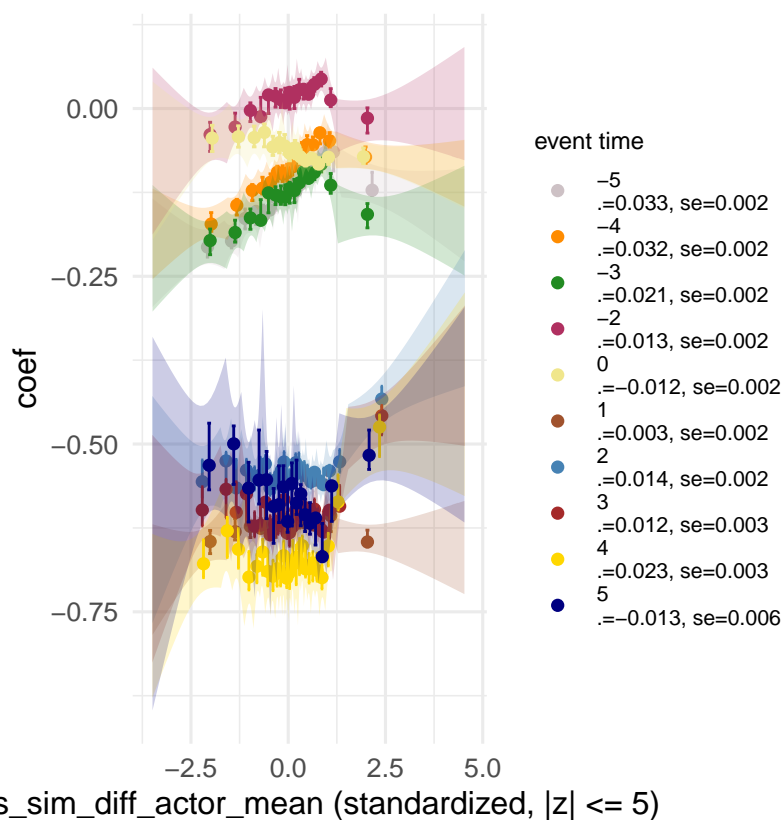
Rank: 6, Importance: 0.0671



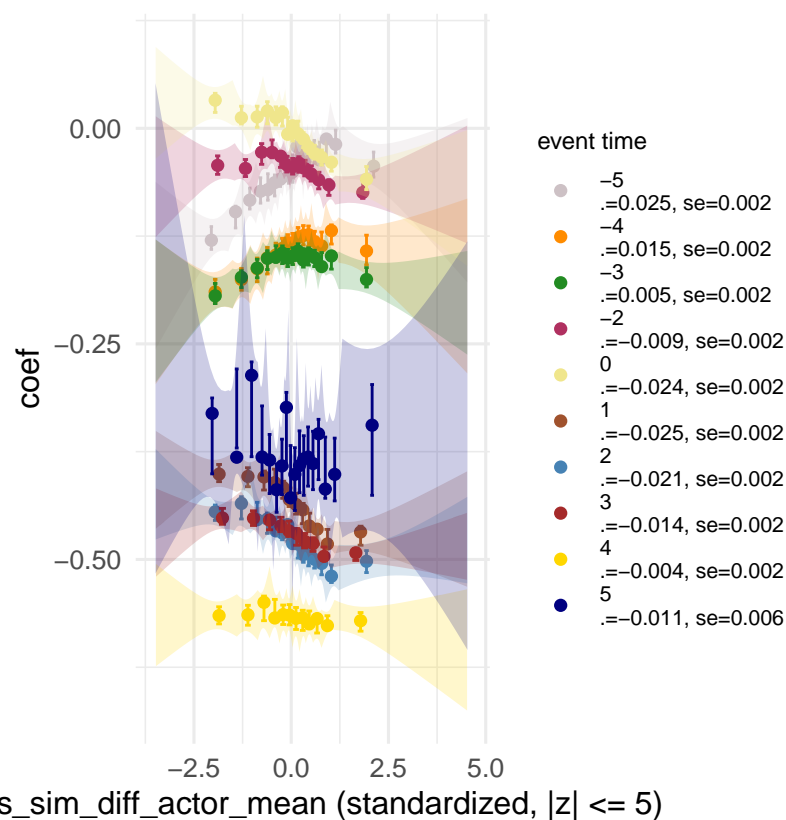
Binscatter of Event-study Coefficients
 Outcome: pull_request_opened (rolling1, top15)
 knowledge_redundancy → broad_expertise
 discussion_content → cos_sim_diff_actor
 Rank: 5, Importance: 0.0934



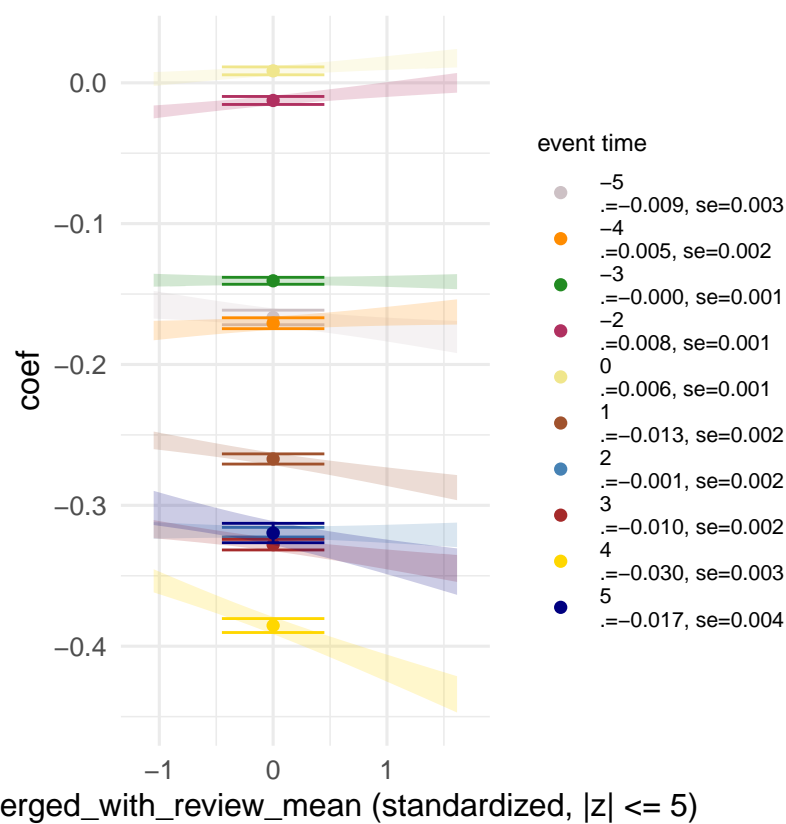
Binscatter of Event-study Coefficients
 Outcome: pull_request_merged (rolling1, top15)
 knowledge_redundancy → broad_expertise
 discussion_content → cos_sim_diff_actor
 Rank: 5, Importance: 0.0786



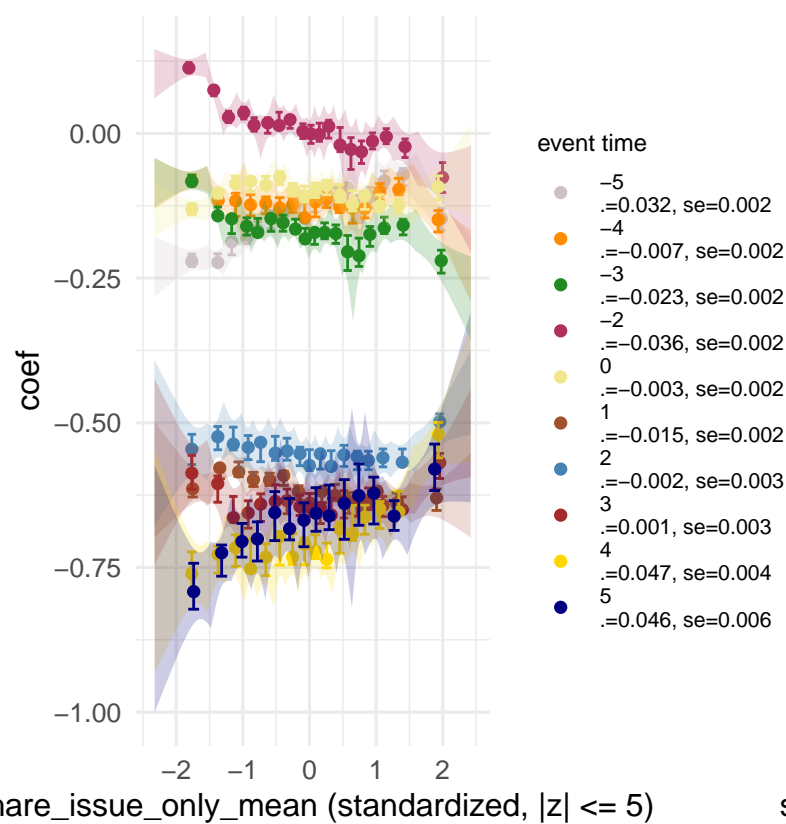
Binscatter of Event-study Coefficients
 Outcome: overall_new_release_count (rolling1, top15)
 knowledge_redundancy → broad_expertise
 discussion_content → cos_sim_diff_actor
 Rank: 11, Importance: 0.0321



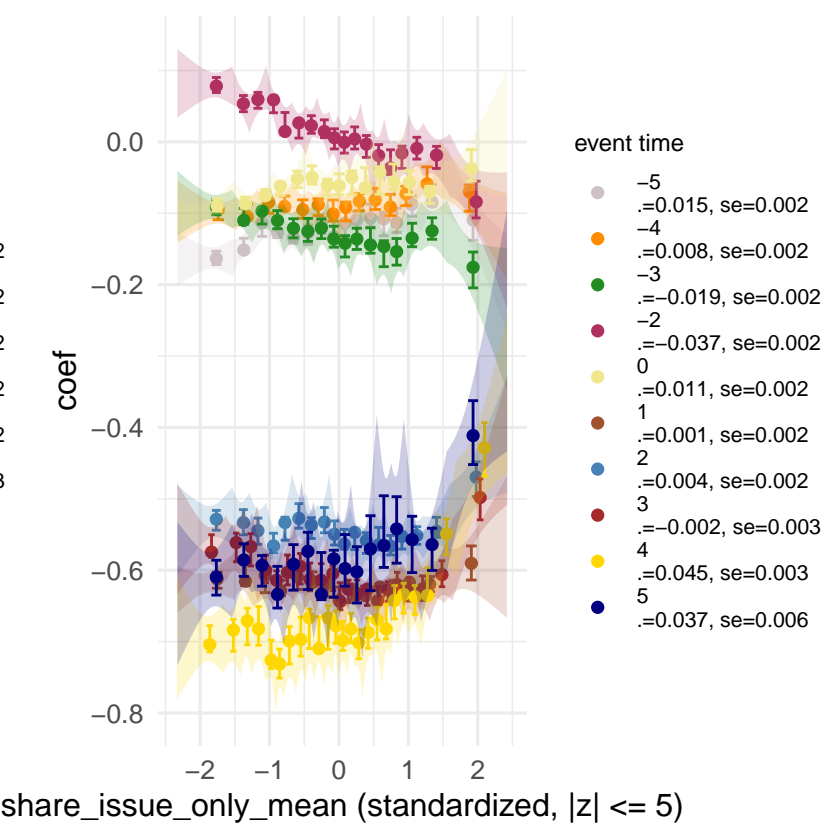
Binscatter of Event-study Coefficients
Outcome: major_minor_release_count (rolling1, top15)
knowledge_redundancy -> supervision
merged_with_review -> pct_merged_with_review
Rank: 8, Importance: 0.0472



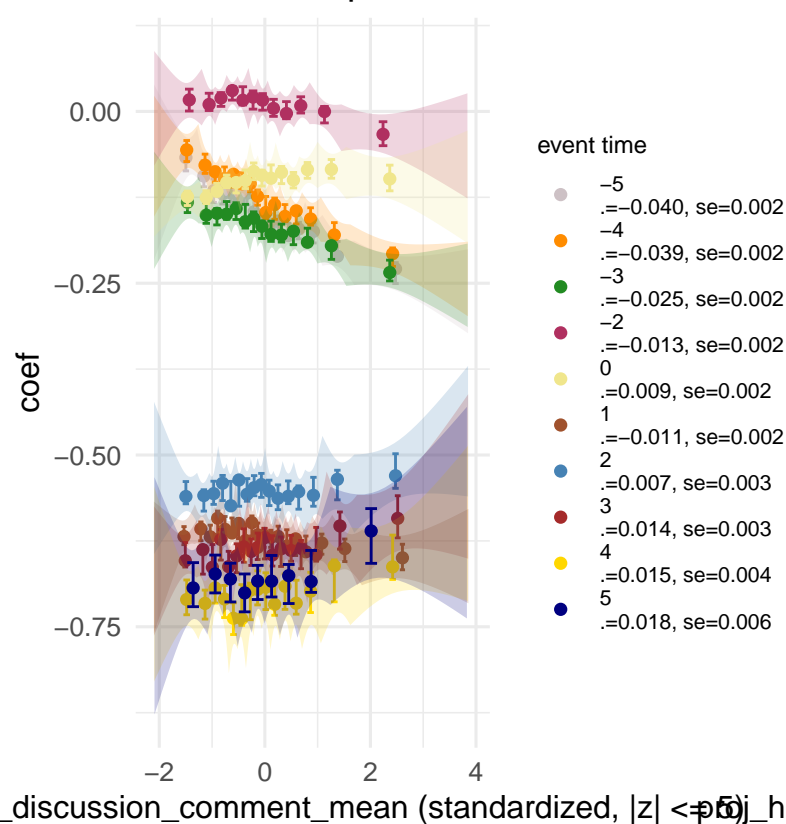
Binscatter of Event-study Coefficients
Outcome: pull_request_opened (rolling1, top15)
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_issue_only
Rank: 8, Importance: 0.0669



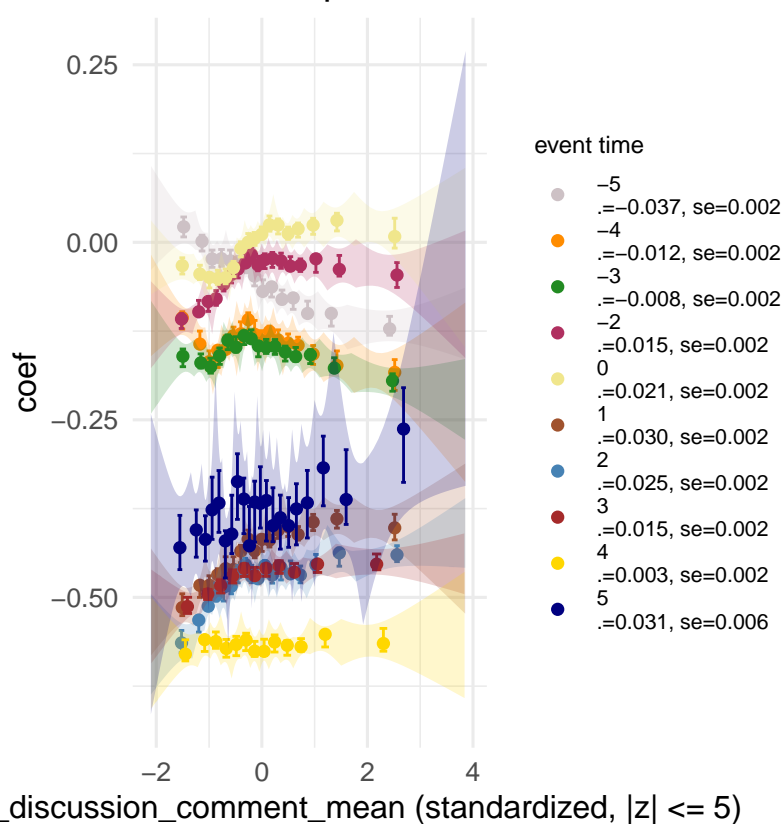
Binscatter of Event-study Coefficients
Outcome: pull_request_merged (rolling1, top15)
knowledge_redundancy -> broad_expertise
issue_pr_share -> share_issue_only
Rank: 8, Importance: 0.0589



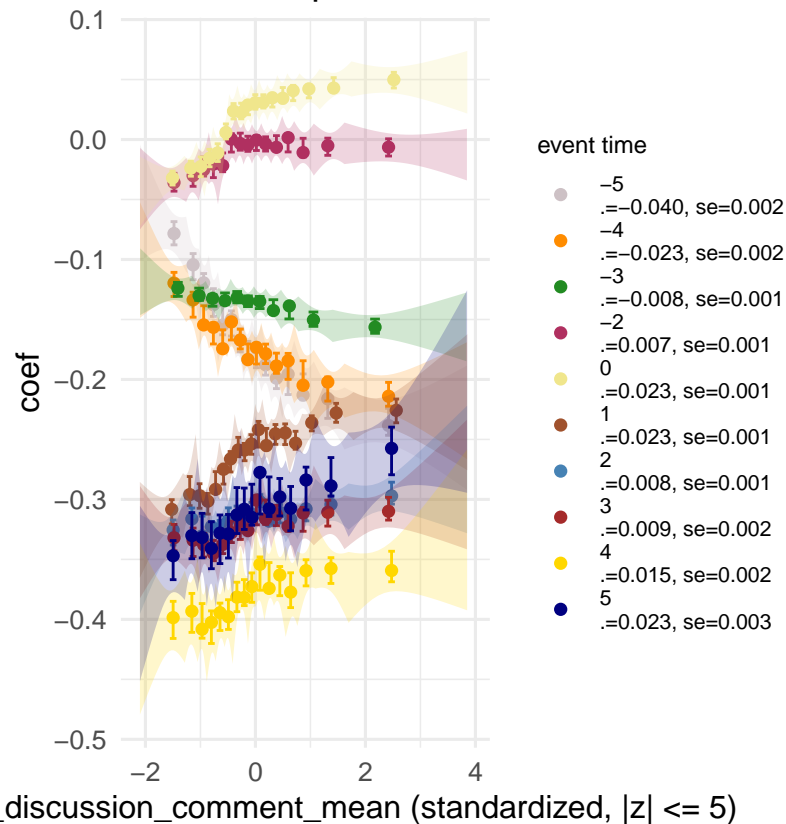
Binscatter of Event-study Coefficients
 Outcome: pull_request_opened (rolling1, top15)
 knowledge_redundancy → collaboration
 hhi → proj_hhi_discussion_comment
 Rank: 13, Importance: 0.00912



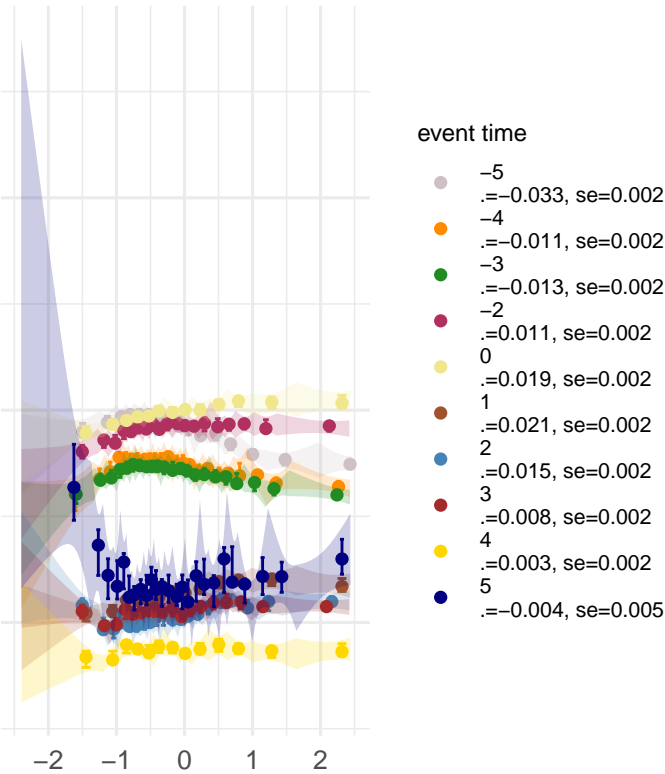
Binscatter of Event-study Coefficients
 Outcome: overall_new_release_count (rolling1, top15)
 knowledge_redundancy → collaboration
 hhi → proj_hhi_discussion_comment
 Rank: 5, Importance: 0.0527



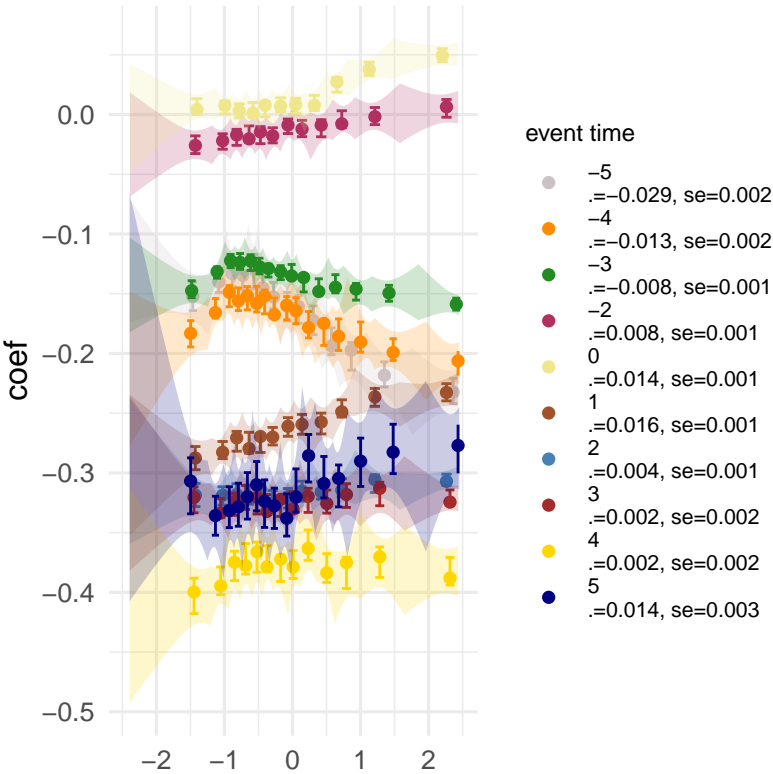
Binscatter of Event-study Coefficients
 Outcome: major_minor_release_count (rolling1, top15)
 knowledge_redundancy → collaboration
 hhi → proj_hhi_discussion_comment
 Rank: 9, Importance: 0.0426



Binscatter of Event-study Coefficients
Outcome: overall_new_release_count (rolling1, top15)
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_issue_comment
Rank: 13, Importance: 0.0203

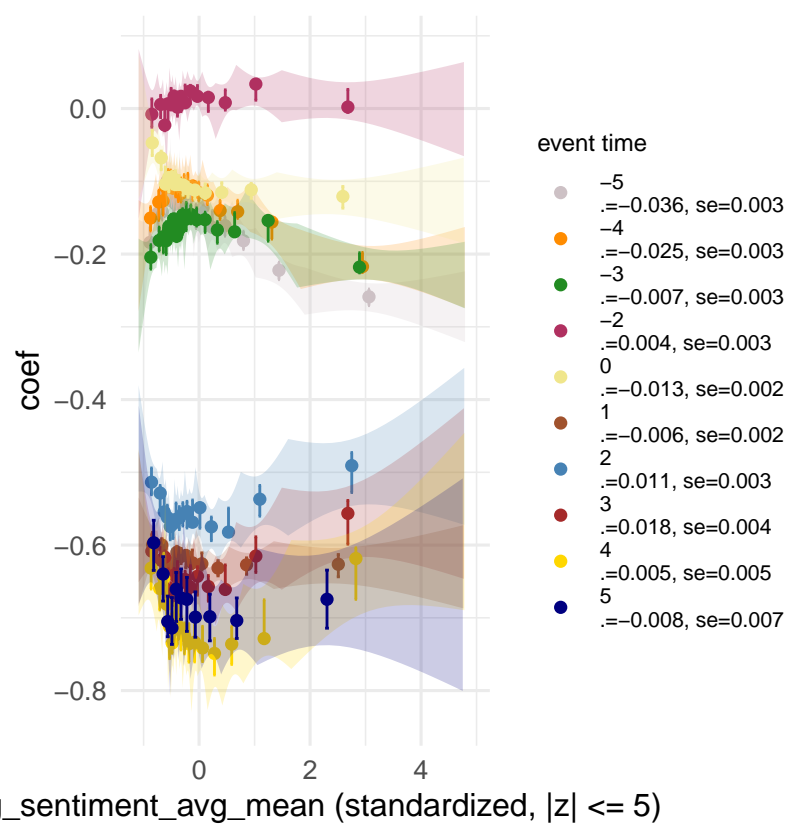


Binscatter of Event-study Coefficients
Outcome: major_minor_release_count (rolling1, top15)
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_issue_comment
Rank: 5, Importance: 0.0746

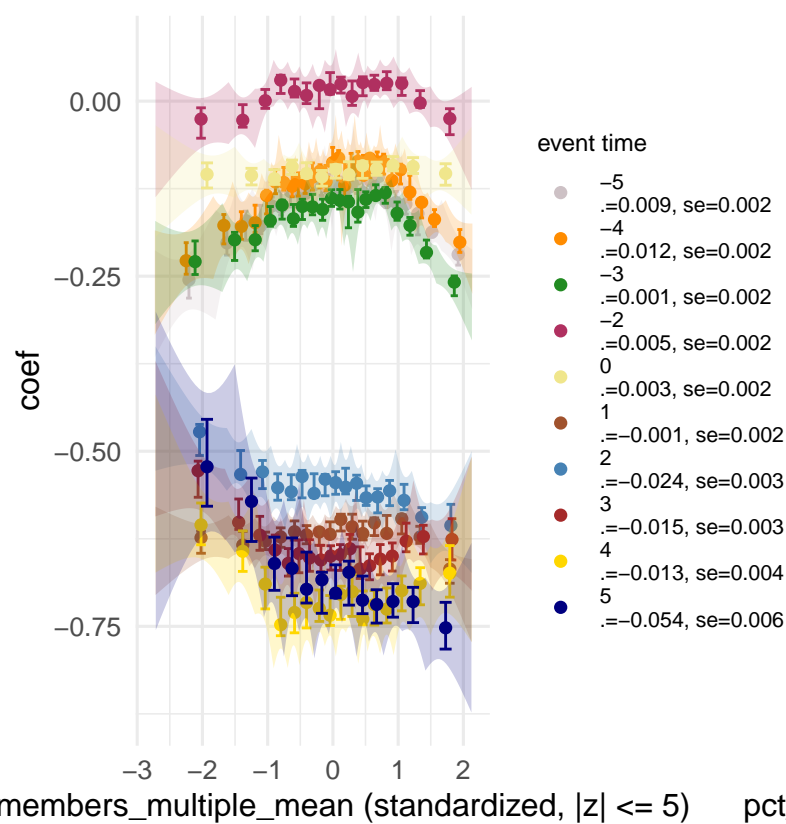


proj_prob_hhi_issue_comment_mean (standardized, |z| <= 5) proj_prob_hhi_issue_comment_mean (standardized, |z| <= 5)

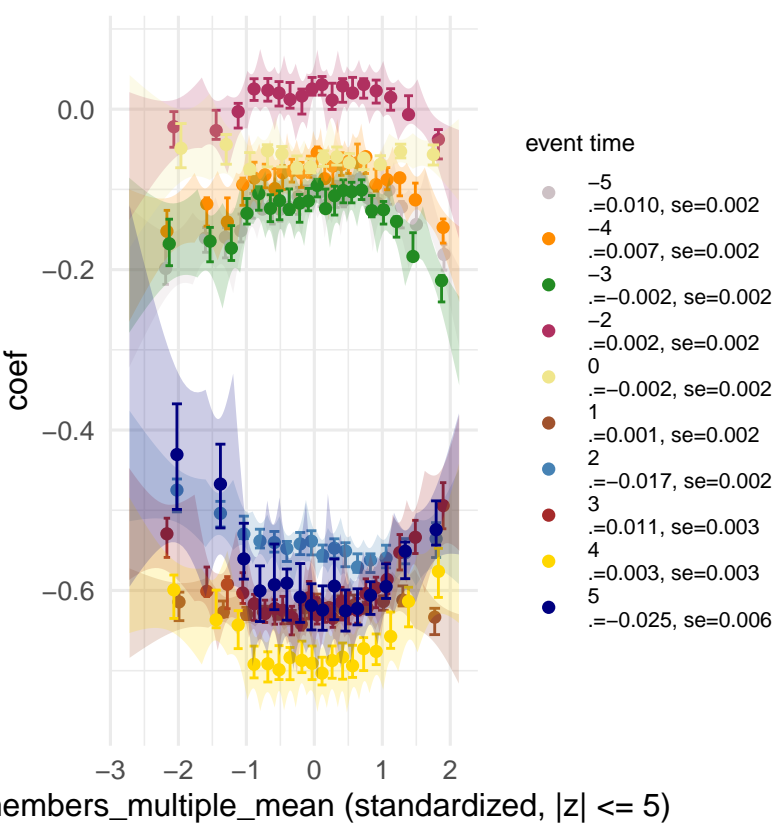
Binscatter of Event-study Coefficients
Outcome: pull_request_opened (rolling1, top15)
talent_investment -> feedback
response_sentiment -> neg_sentiment_avg
Rank: 10, Importance: 0.0203



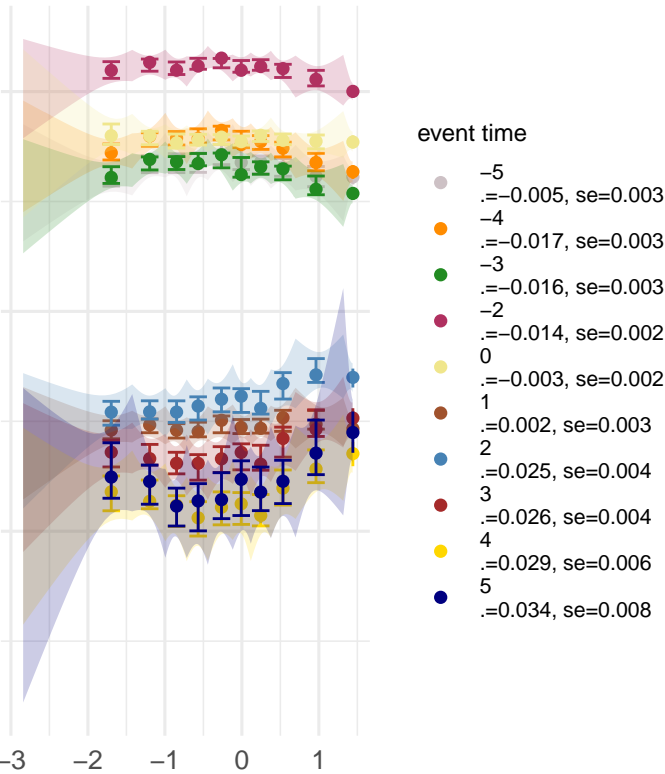
Binscatter of Event-study Coefficients
Outcome: pull_request_opened (rolling1, top15)
knowledge_redundancy -> collaboration
member_count -> pct_members_multiple
Rank: 9, Importance: 0.0591



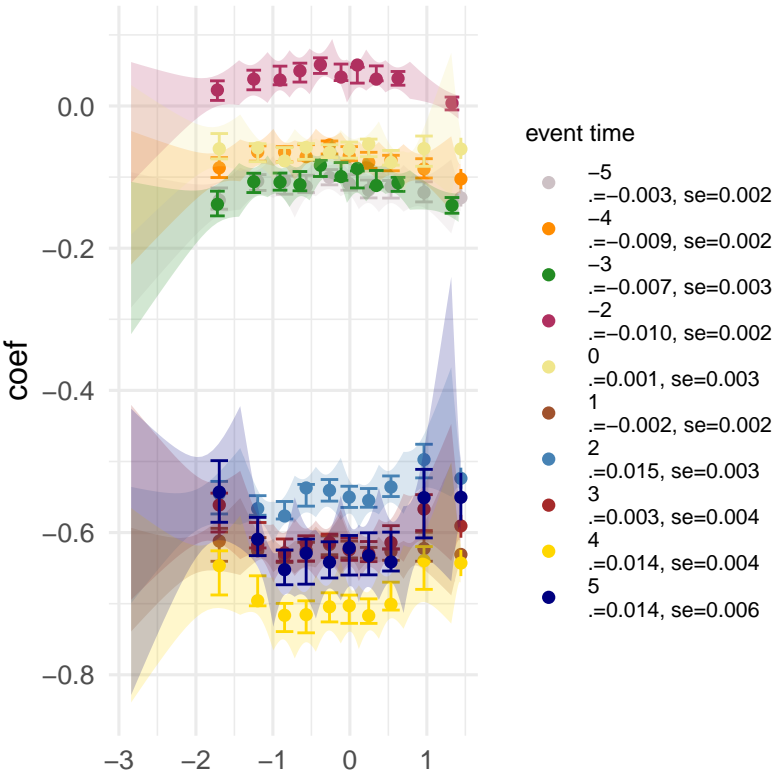
Binscatter of Event-study Coefficients
Outcome: pull_request_merged (rolling1, top15)
knowledge_redundancy -> collaboration
member_count -> pct_members_multiple
Rank: 12, Importance: 0.0173



Binscatter of Event-study Coefficients
Outcome: pull_request_opened (rolling1, top15)
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_review
Rank: 11, Importance: 0.0179



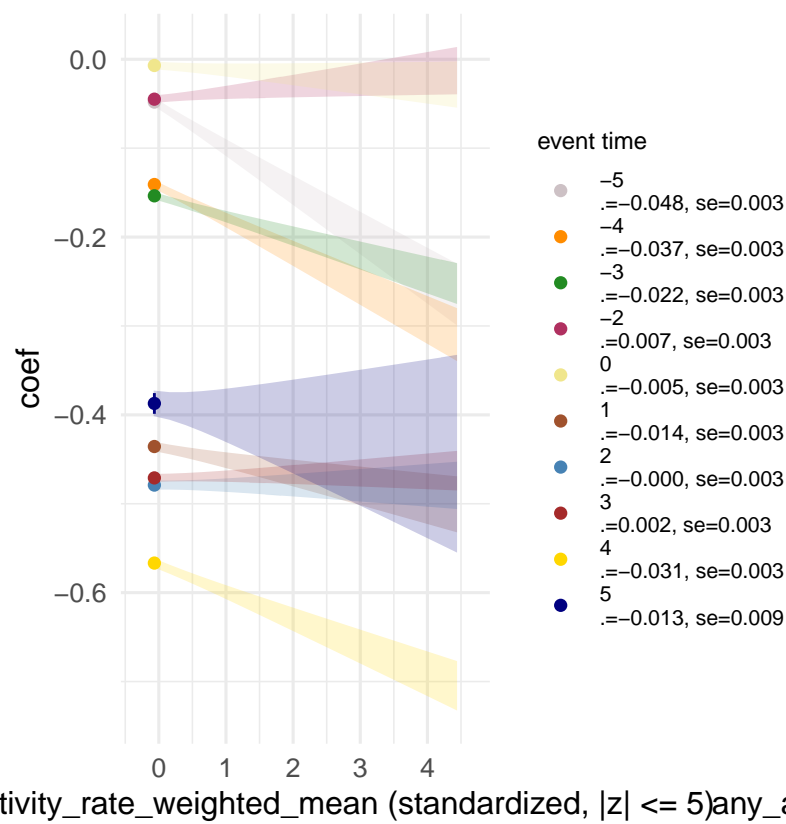
Binscatter of Event-study Coefficients
Outcome: pull_request_merged (rolling1, top15)
knowledge_redundancy -> collaboration
problem_hhi -> proj_prob_hhi_pull_request_review
Rank: 11, Importance: 0.0214



proj_prob_hhi_pull_request_review_mean (standardized, |z| <= 5)

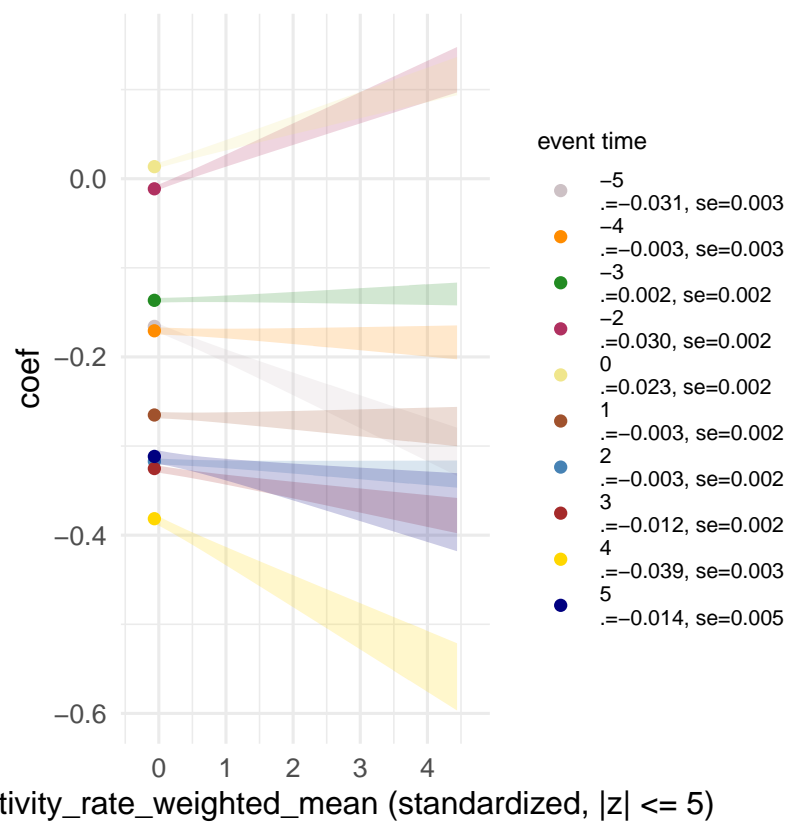
Binscatter of Event-study Coefficients

Outcome: overall_new_release_count (rolling1, top15)
talent_investment -> growth_opportunity
merge_review_pr -> any_activity_rate_weighted
Rank: 9, Importance: 0.0344



Binscatter of Event-study Coefficients

Outcome: major_minor_release_count (rolling1, top15)
talent_investment -> growth_opportunity
merge_review_pr -> any_activity_rate_weighted
Rank: 14, Importance: 0.0149



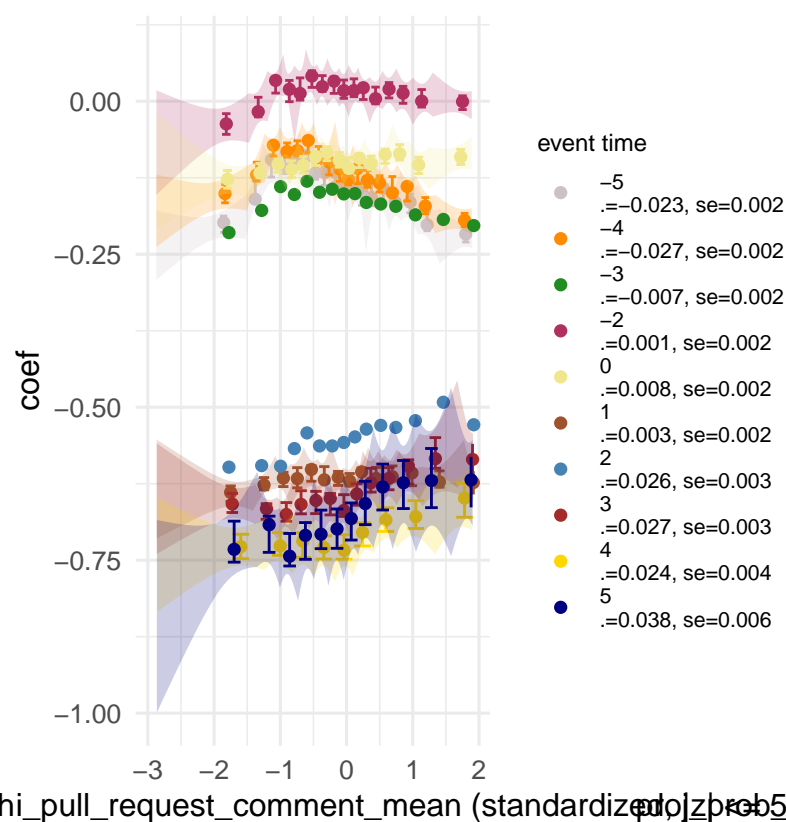
Binscatter of Event-study Coefficients

Outcome: pull_request_opened (rolling1, top15)

knowledge_redundancy -> collaboration

problem_hhi -> proj_prob_hhi_pull_request_comment

Rank: 12, Importance: 0.0119



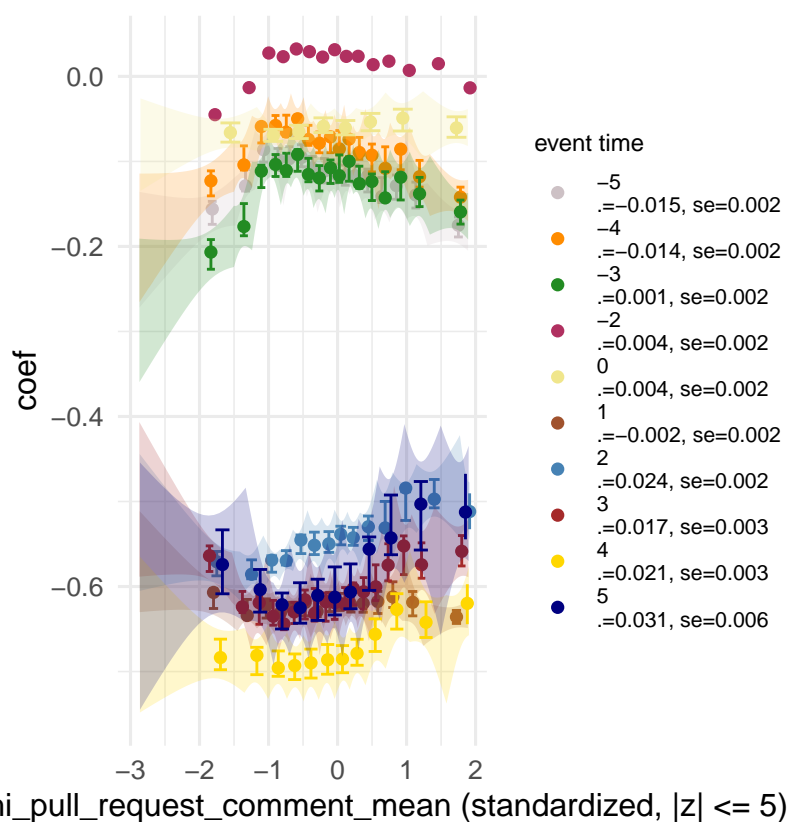
Binscatter of Event-study Coefficients

Outcome: pull_request_merged (rolling1, top15)

knowledge_redundancy -> collaboration

problem_hhi -> proj_prob_hhi_pull_request_comment

Rank: 13, Importance: 0.0141



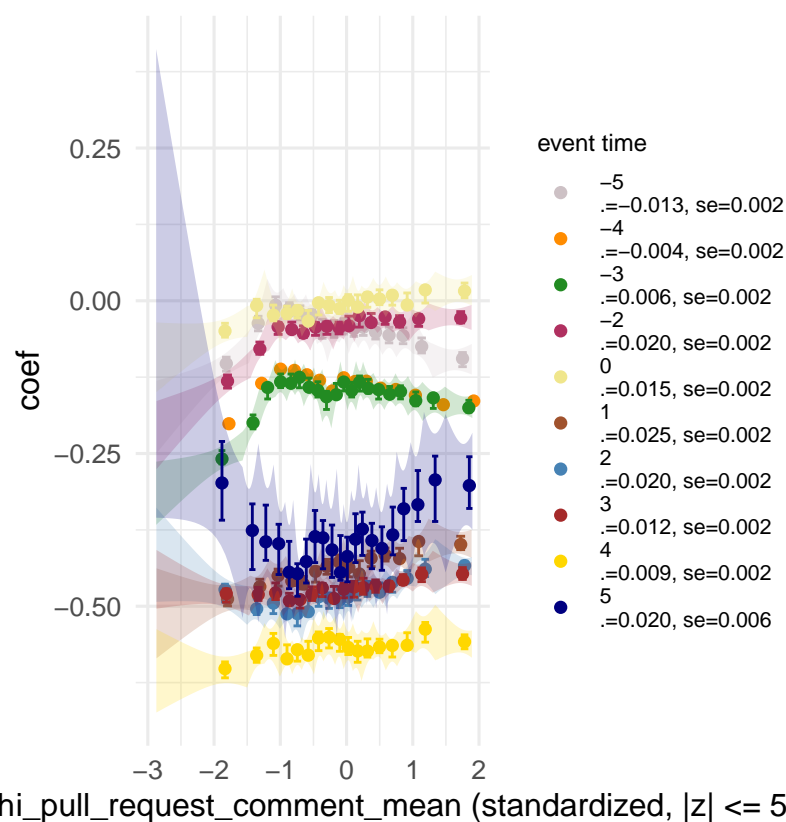
Binscatter of Event-study Coefficients

Outcome: overall_new_release_count (rolling1, top15)

knowledge_redundancy -> collaboration

problem_hhi -> proj_prob_hhi_pull_request_comment

Rank: 10, Importance: 0.0338



Binscatter of Event-study Coefficients

Outcome: overall_new_release_count (rolling1, top15)

talent_investment -> feedback

feedback_quantity -> avg_all_disc_exclude_opener_count

Rank: 14, Importance: 0.0199

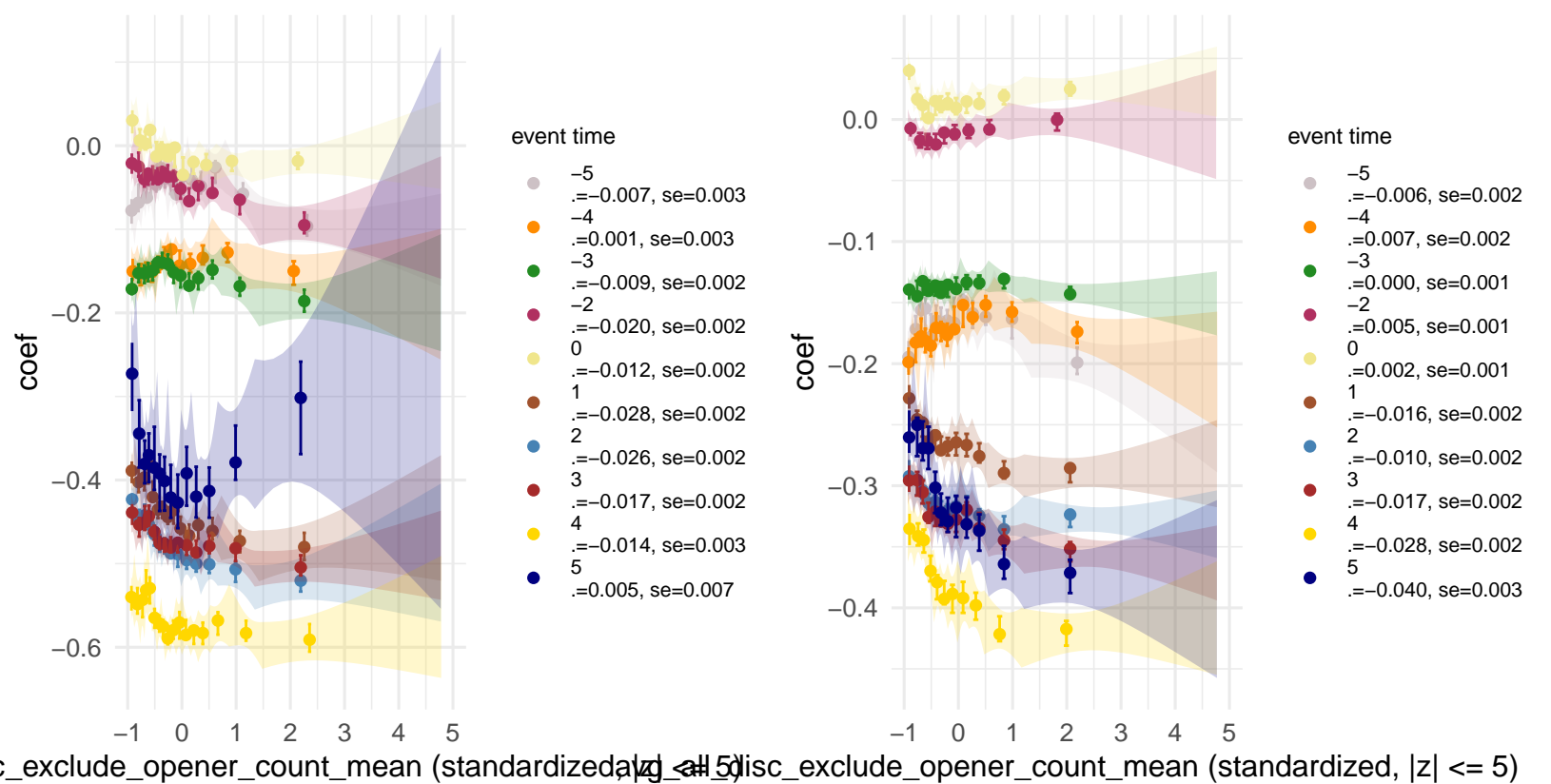
Binscatter of Event-study Coefficients

Outcome: major_minor_release_count (rolling1, top15)

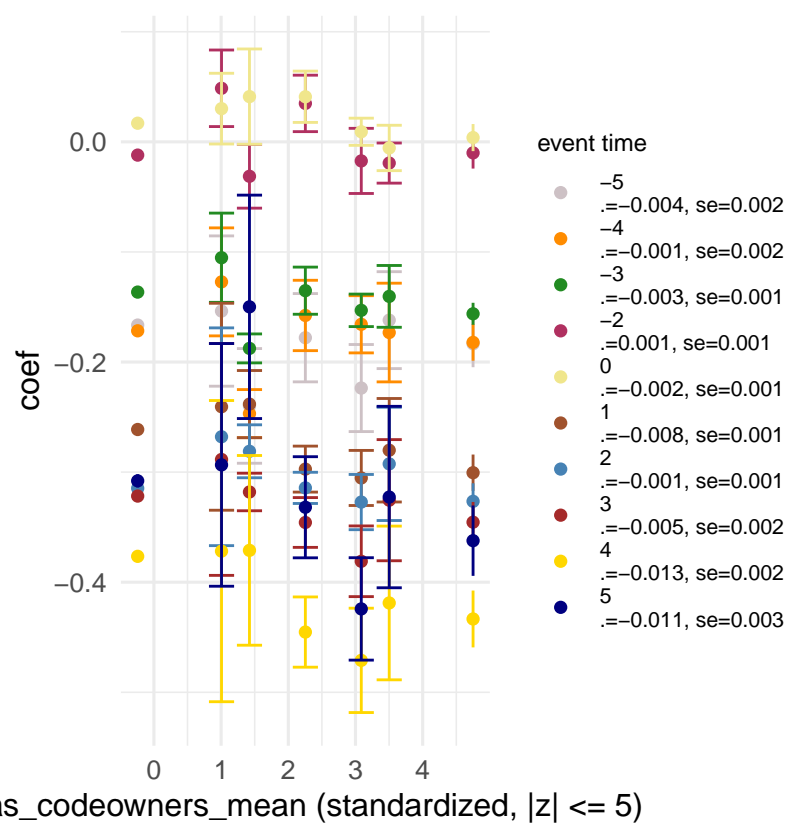
talent_investment -> feedback

feedback_quantity -> avg_all_disc_exclude_opener_count

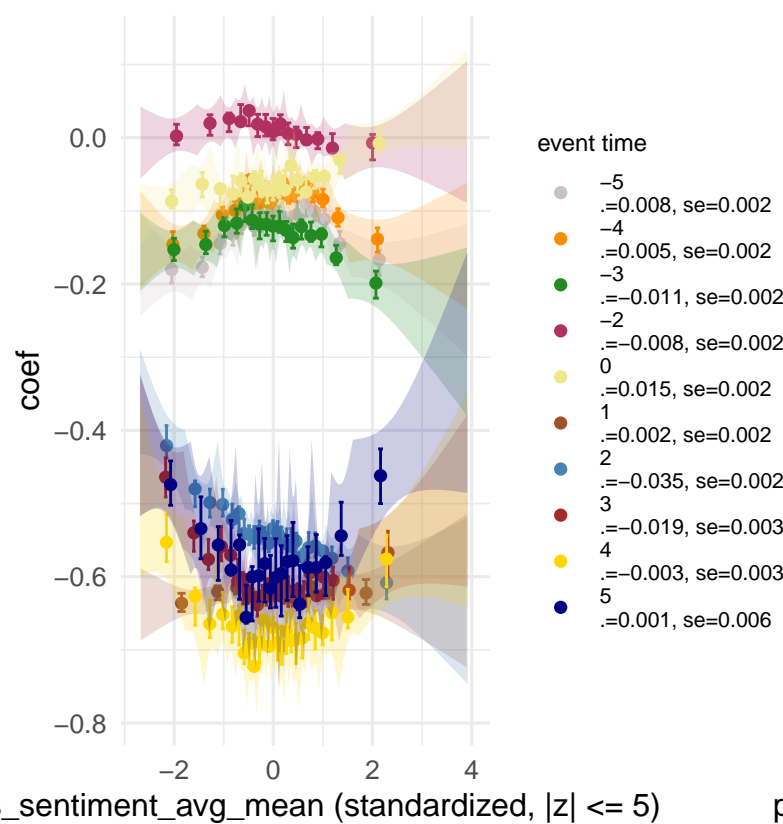
Rank: 10, Importance: 0.029



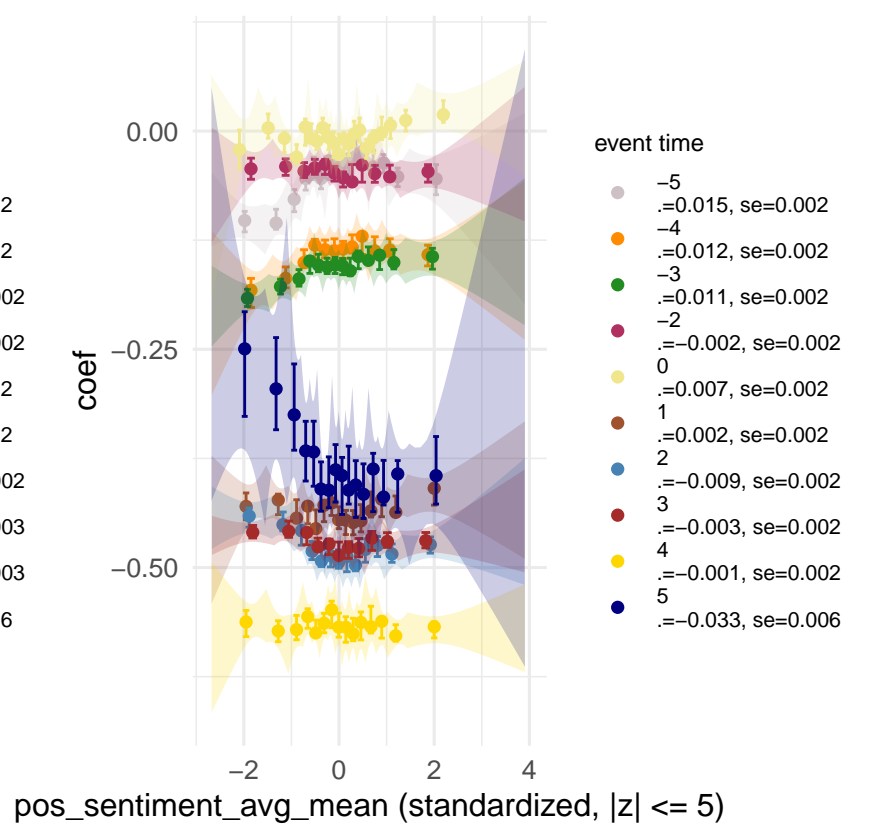
Binscatter of Event-study Coefficients
Outcome: major_minor_release_count (rolling1, top15)
organizational_routines -> organized_assignment
codeowners_file -> has_codeowners
Rank: 12, Importance: 0.0169



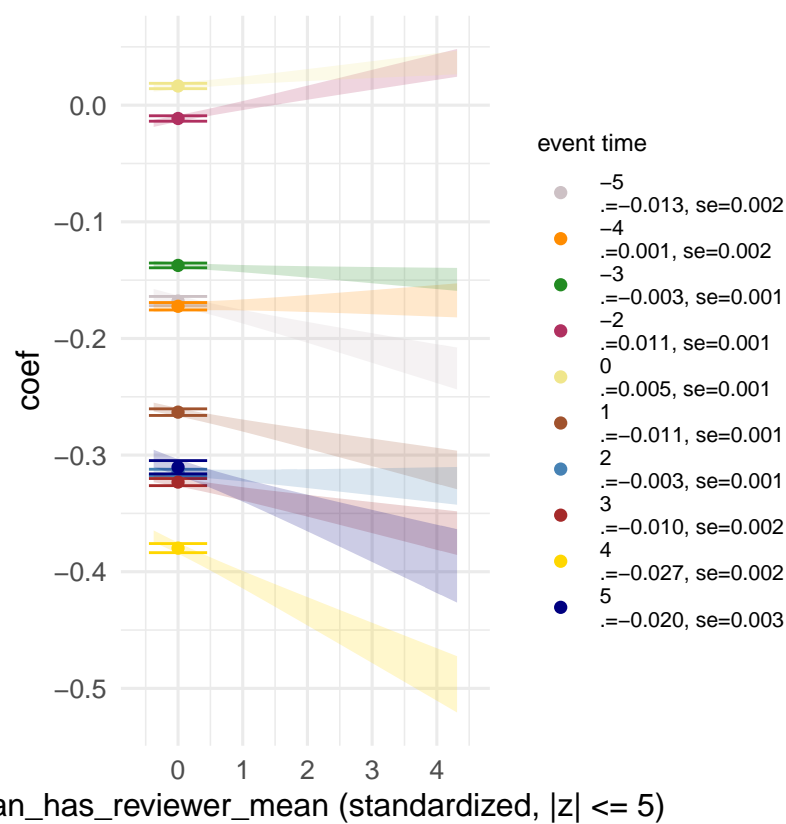
Binscatter of Event-study Coefficients
Outcome: pull_request_merged (rolling1, top15)
talent_investment -> feedback
response_sentiment -> pos_sentiment_avg
Rank: 10, Importance: 0.0322



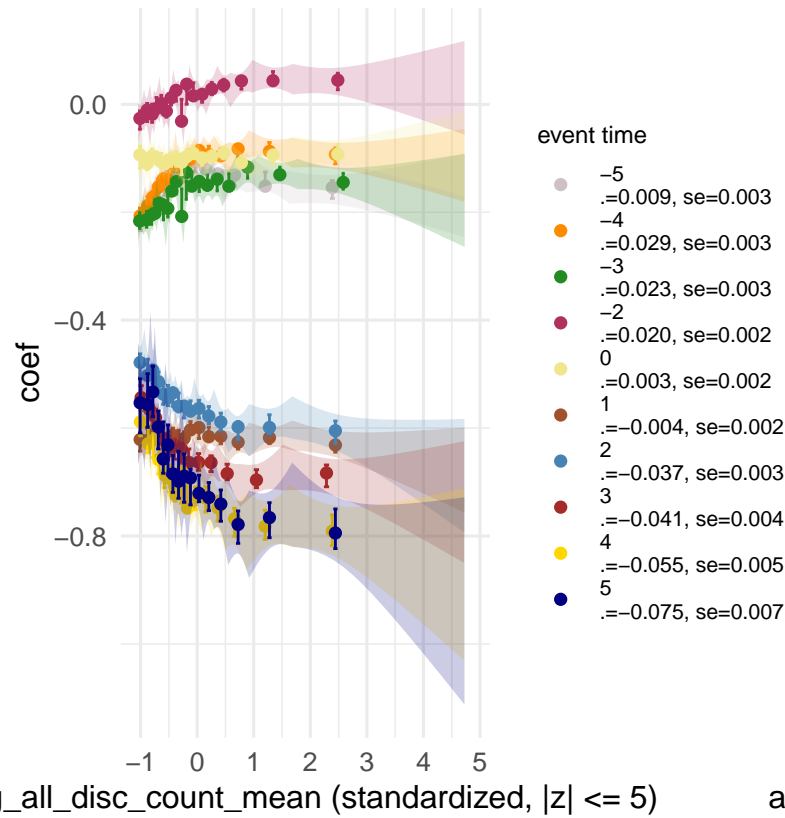
Binscatter of Event-study Coefficients
Outcome: overall_new_release_count (rolling1, top15)
talent_investment -> feedback
response_sentiment -> pos_sentiment_avg
Rank: 15, Importance: 0.00892



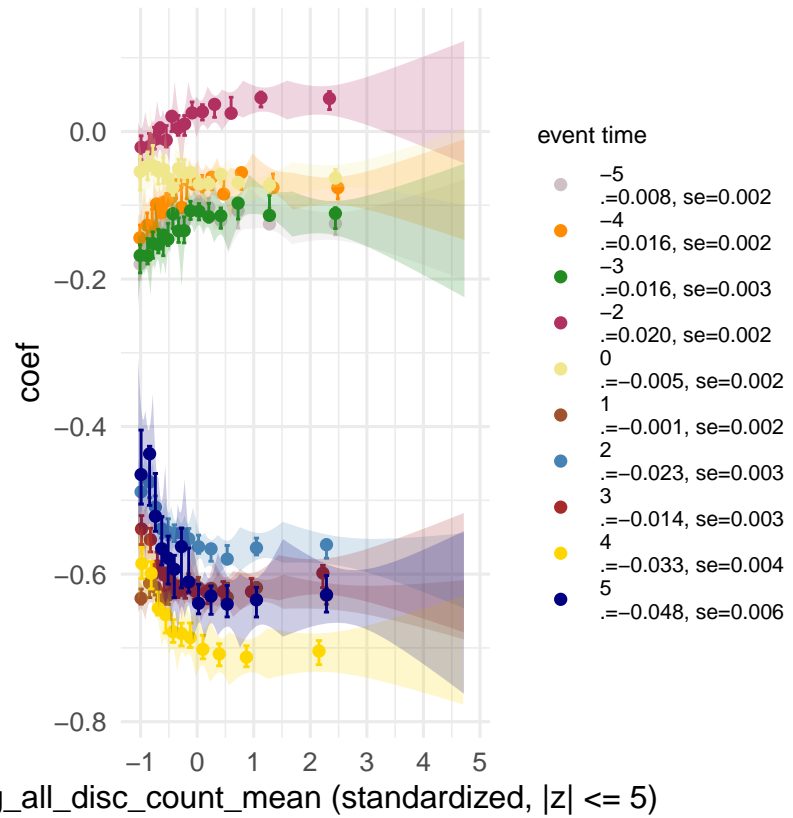
Binscatter of Event–study Coefficients
Outcome: major_minor_release_count (rolling1, top15)
organizational_routines -> organized_assignment
pr_reviewers -> mean_has_reviewer
Rank: 13, Importance: 0.0161



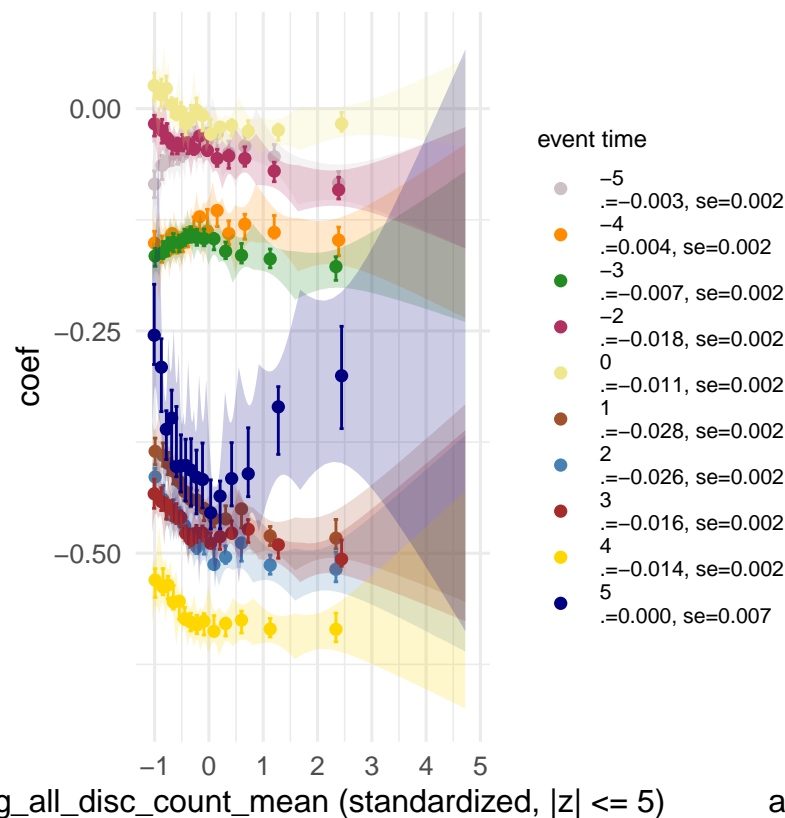
Binscatter of Event-study Coefficients
 Outcome: pull_request_opened (rolling1, top15)
 knowledge_redundancy → supervision
 discussion_quantity → avg_all_disc_count
 Rank: 15, Importance: 0.00392



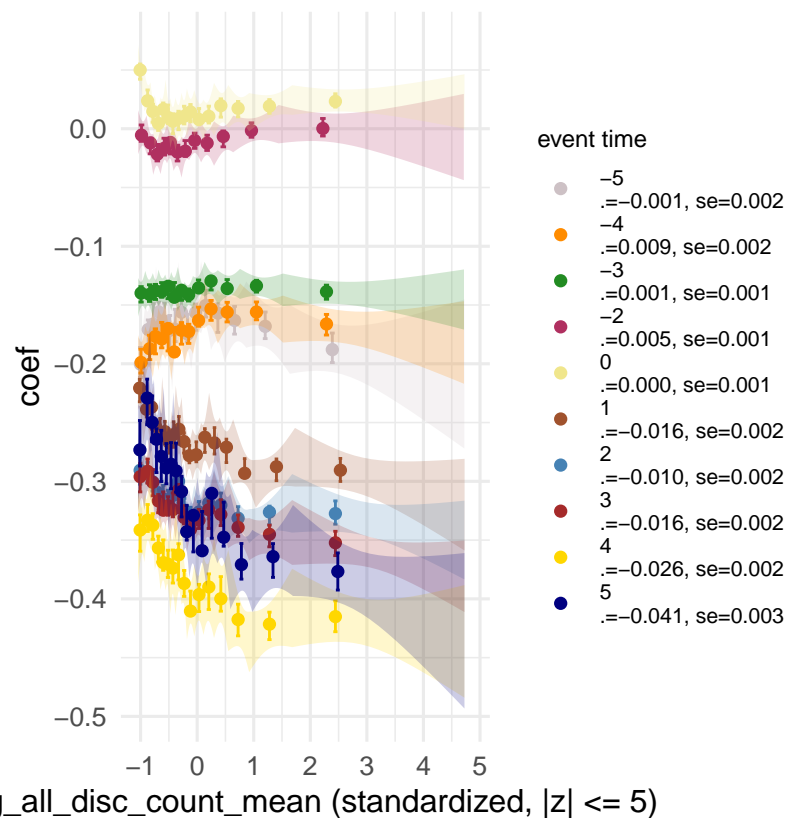
Binscatter of Event-study Coefficients
 Outcome: pull_request_merged (rolling1, top15)
 knowledge_redundancy → supervision
 discussion_quantity → avg_all_disc_count
 Rank: 15, Importance: 0.00552



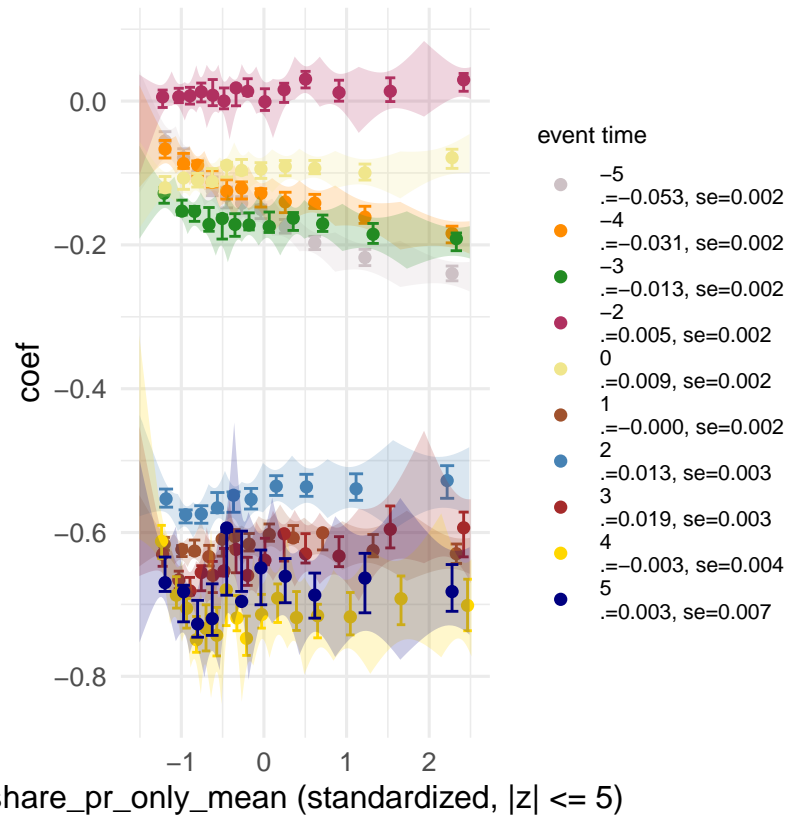
Binscatter of Event-study Coefficients
 Outcome: overall_new_release_count (rolling1, top15)
 knowledge_redundancy → supervision
 discussion_quantity → avg_all_disc_count
 Rank: 12, Importance: 0.0234



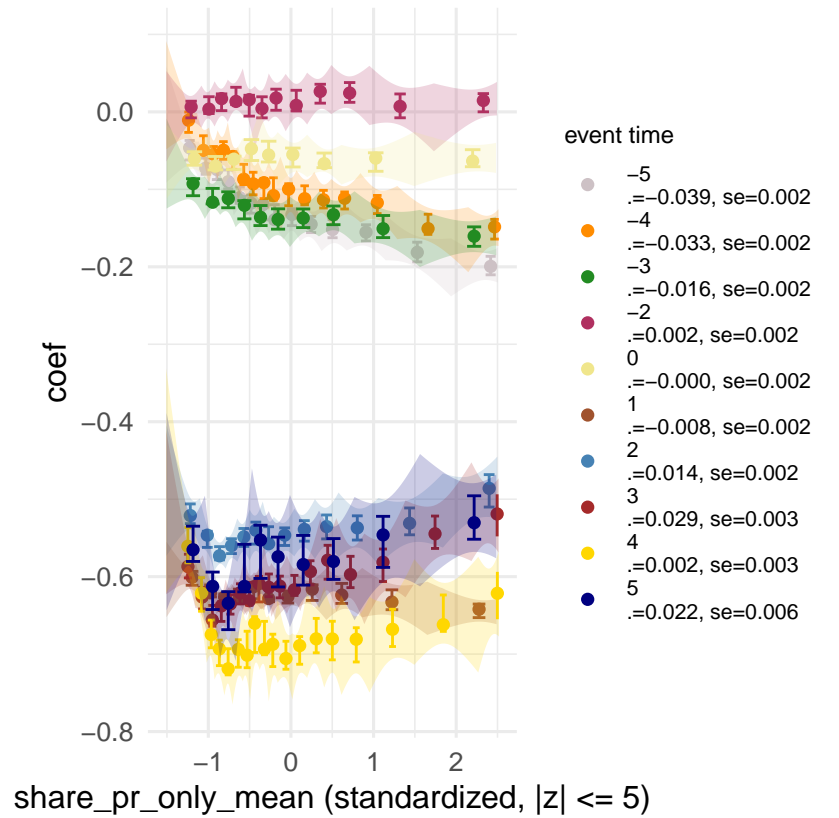
Binscatter of Event-study Coefficients
 Outcome: major_minor_release_count (rolling1, top15)
 knowledge_redundancy → supervision
 discussion_quantity → avg_all_disc_count
 Rank: 11, Importance: 0.028



Binscatter of Event-study Coefficients
 Outcome: pull_request_opened (rolling1, top15)
 knowledge_redundancy → broad_expertise
 issue_pr_share → share_pr_only
 Rank: 14, Importance: 0.00705



Binscatter of Event-study Coefficients
 Outcome: pull_request_merged (rolling1, top15)
 knowledge_redundancy → broad_expertise
 issue_pr_share → share_pr_only
 Rank: 14, Importance: 0.0112



Binscatter of Event-study Coefficients
Outcome: major_minor_release_count (rolling1, top15)
talent_investment -> growth_opportunity
merge_review_pr -> pull_request_review_rate_weighted
Rank: 15, Importance: 0.0117

