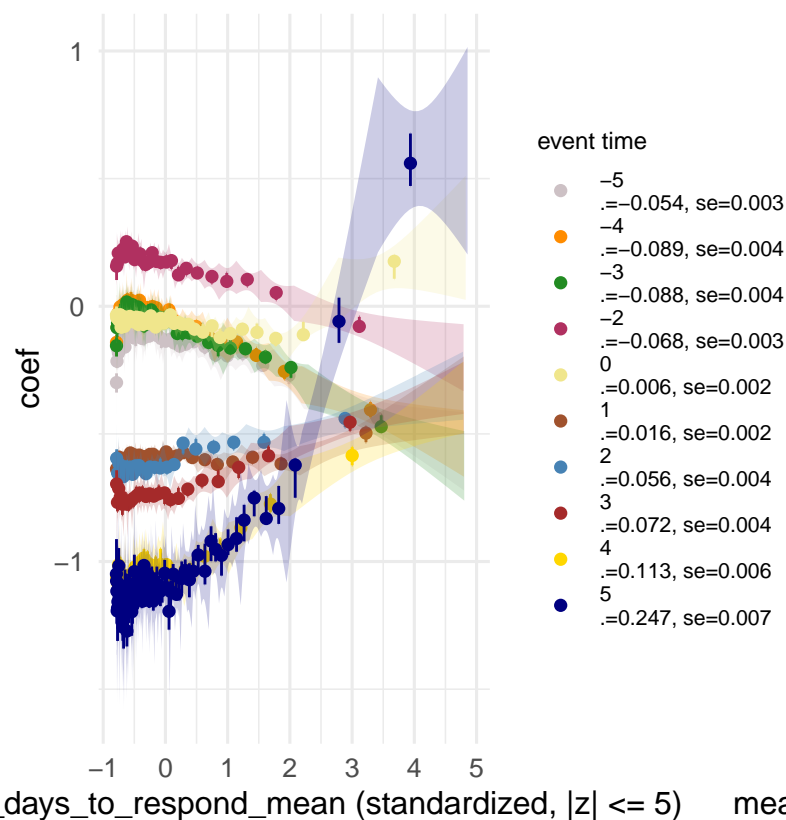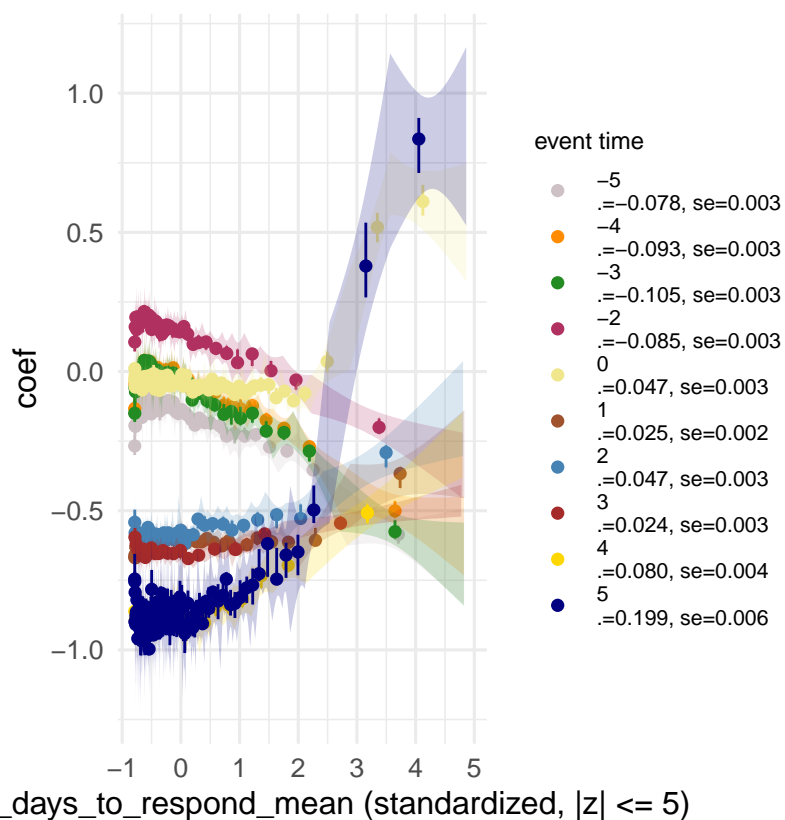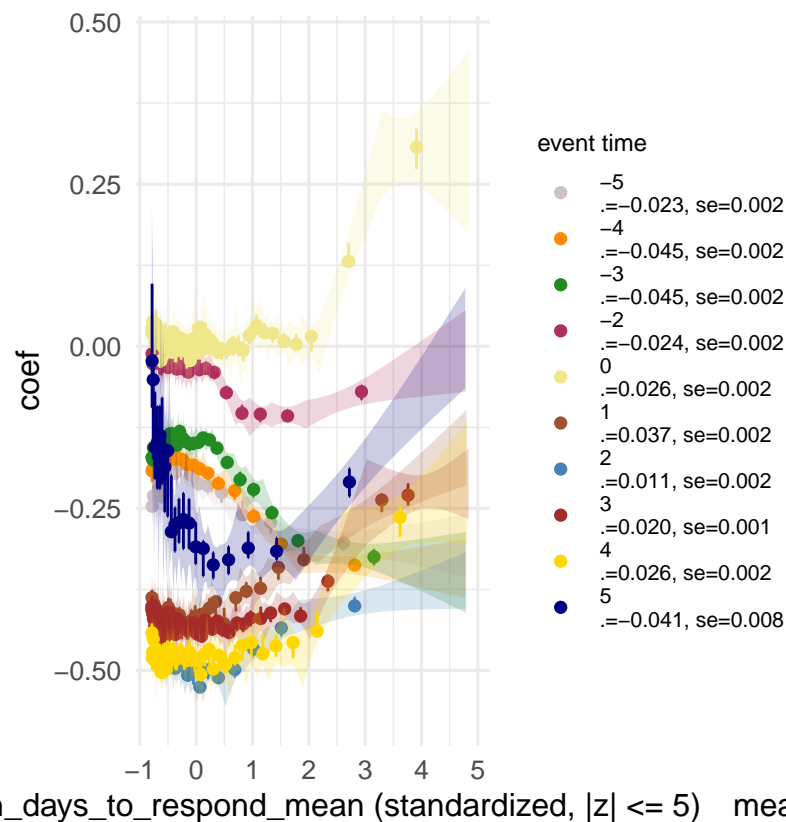## Binscatter of Event−study Coefficients
Outcome: pull_request_opened (rolling1, top15)
talent_investment −> feedback
response_time −> mean_days_to_respond
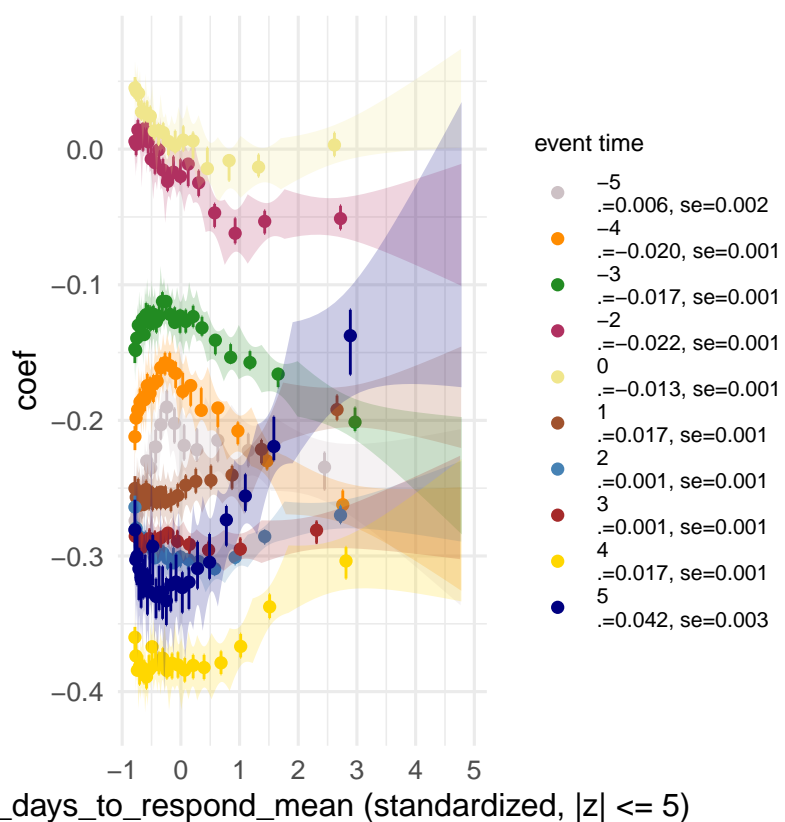Rank: 2, Importance: 0.161

event time
- −5 .=−0.054, se=0.003
- −4 .=−0.089, se=0.004
- −3 .=−0.088, se=0.004
- −2 .=−0.068, se=0.003
- 0 .=0.006, se=0.002
- 1 .=0.016, se=0.002
- 2 .=0.056, se=0.004
- 3 .=0.072, se=0.004
- 4 .=0.113, se=0.006
- 5 .=0.247, se=0.007

coef

_days_to_respond_mean (standardized, |z| <= 5)

Binscatter of Event−study Coefficients
Outcome: pull_request_merged (rolling1, t
talent_investment −> feedback
response_time −> mean_days_to_respond
Rank: 1, Importance: 0.193

event time
- −5 .=−0.078, se=0.003
- −4 .=−0.093, se=0.003
- −3 .=−0.105, se=0.003
- −2 .=−0.085, se=0.003
- 0 .=0.047, se=0.003
- 1 .=0.025, se=0.002
- 2 .=0.047, se=0.003
- 3 .=0.024, se=0.003
- 4 .=0.080, se=0.004
- 5 .=0.199, se=0.006

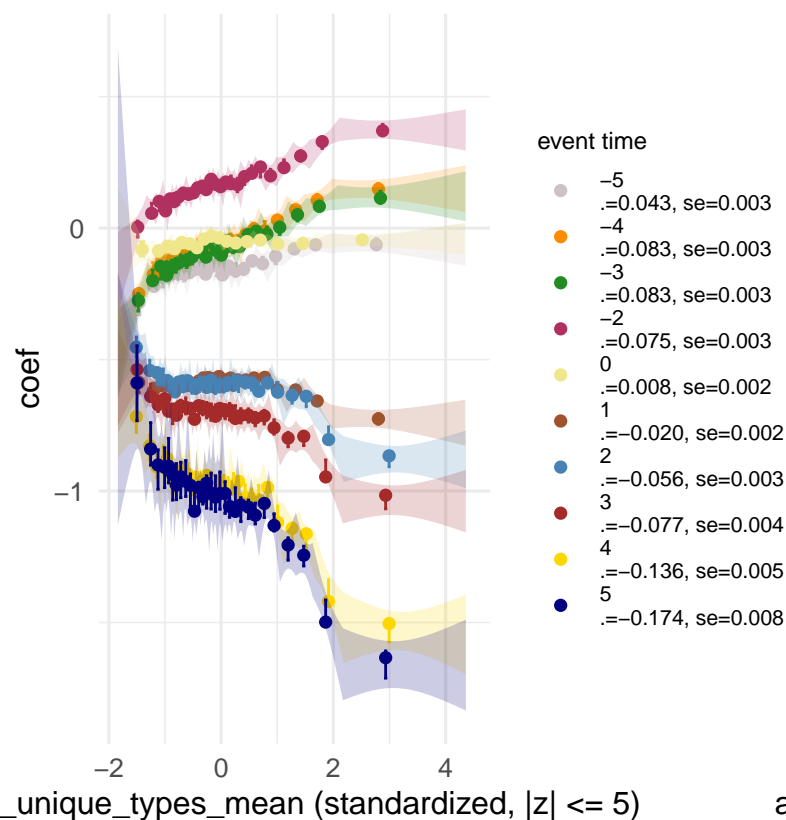coef

mean_days_to_respond_mean (standardized, |z| <= 5)

Binscatter of Event−study Coefficients
Outcome: overall_new_release_count (rolling1, top15)
talent_investment −> feedback
response_time −> mean_days_to_respond
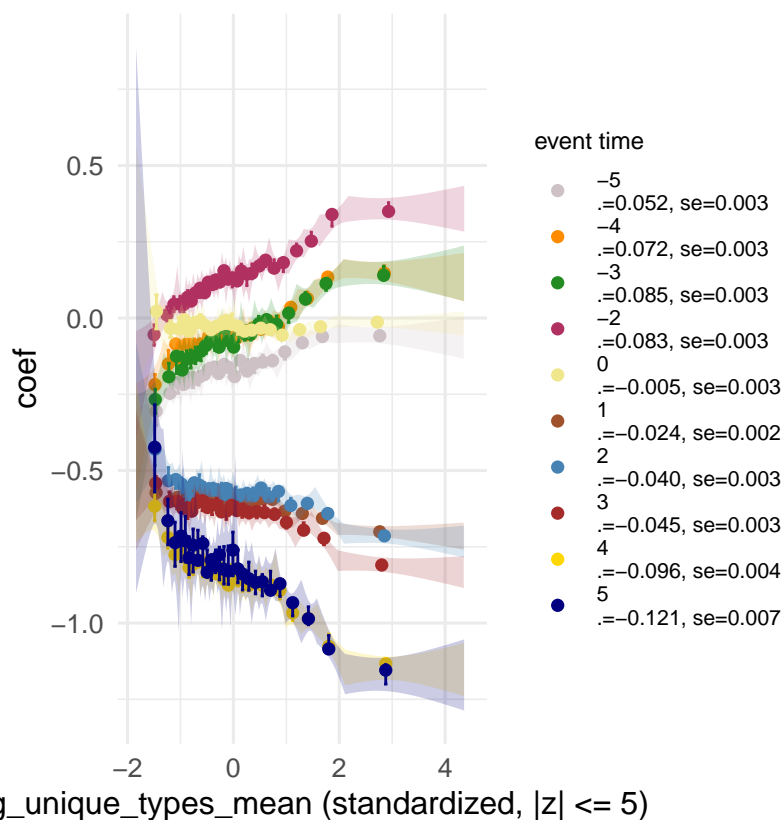Rank: 1, Importance: 0.21

event time
- −5 .=−0.023, se=0.002
- −4 .=−0.045, se=0.002
- −3 .=−0.045, se=0.002
- −2 .=−0.024, se=0.002
- 0 .=0.026, se=0.002
- 1 .=0.037, se=0.002
- 2 .=0.011, se=0.002
- 3 .=0.020, se=0.001
- 4 .=0.026, se=0.002
- 5 .=−0.041, se=0.008

coef

_days_to_respond_mean (standardized, |z| <= 5)

Binscatter of Event−study Coefficients
Outcome: major_minor_release_count (rol
talent_investment −> feedback
response_time −> mean_days_to_respond
Rank: 2, Importance: 0.182

event time
- −5 .=0.006, se=0.002
- −4 .=−0.020, se=0.001
- −3 .=−0.017, se=0.001
- −2 .=−0.022, se=0.001
- 0 .=−0.013, se=0.001
- 1 .=0.017, se=0.001
- 2 .=0.001, se=0.001
- 3 .=0.001, se=0.001
- 4 .=0.017, se=0.001
- 5 .=0.042, se=0.003

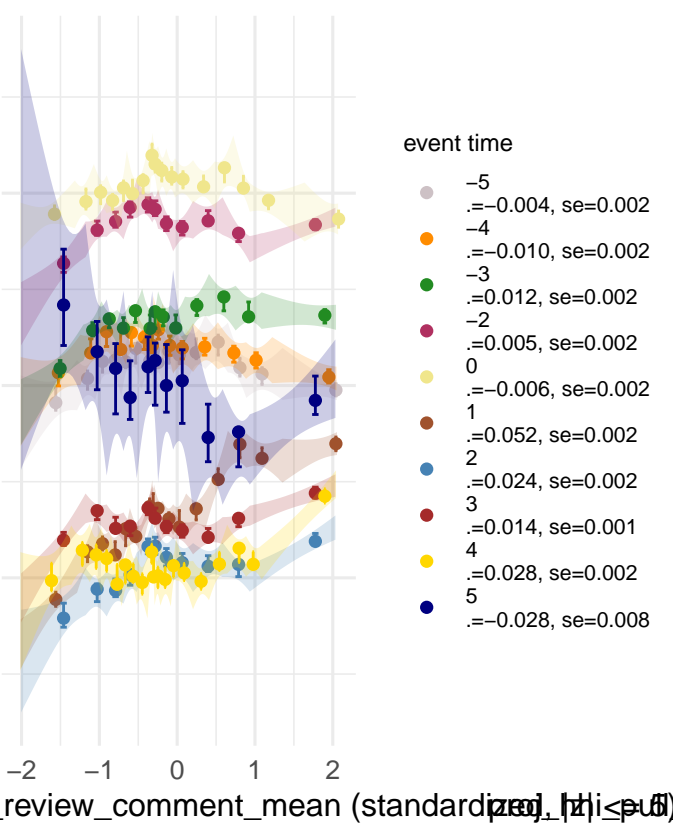coef

mean_days_to_respond_mean (standardized, |z| <= 5)

Binscatter of Event−study Coefficients
Outcome: pull_request_opened (rolling1, top15)
knowledge_redundancy −> broad_expertise
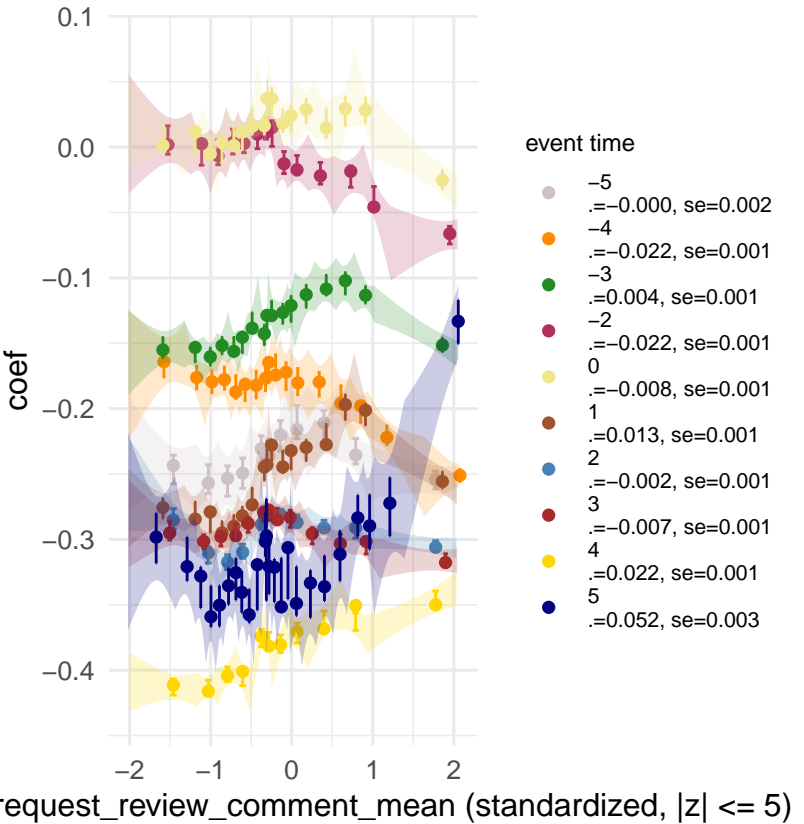activity_diversity_count −> avg_unique_types
Rank: 3, Importance: 0.112

event time
- −5 .=0.043, se=0.003
- −4 .=0.083, se=0.003
- −3 .=0.083, se=0.003
- −2 .=0.075, se=0.003
- 0   .=0.008, se=0.002
- 1   .=−0.020, se=0.002
- 2   .=−0.056, se=0.003
- 3   .=−0.077, se=0.004
- 4   .=−0.136, se=0.005
- 5   .=−0.174, se=0.008

_unique_types_mean (standardized, |z| <= 5)

Binscatter of Event−study Coefficients
Outcome: pull_request_merged (rolling1, t
knowledge_redundancy −> broad_expertis
activity_diversity_count −> avg_unique_typ
Rank: 2, Importance: 0.123

event time
- −5 .=0.052, se=0.003
- −4 .=0.072, se=0.003
- −3 .=0.085, se=0.003
- −2 .=0.083, se=0.003
- 0   .=−0.005, se=0.003
- 1   .=−0.024, se=0.002
- 2   .=−0.040, se=0.003
- 3   .=−0.045, se=0.003
- 4   .=−0.096, se=0.004
- 5   .=−0.121, se=0.007

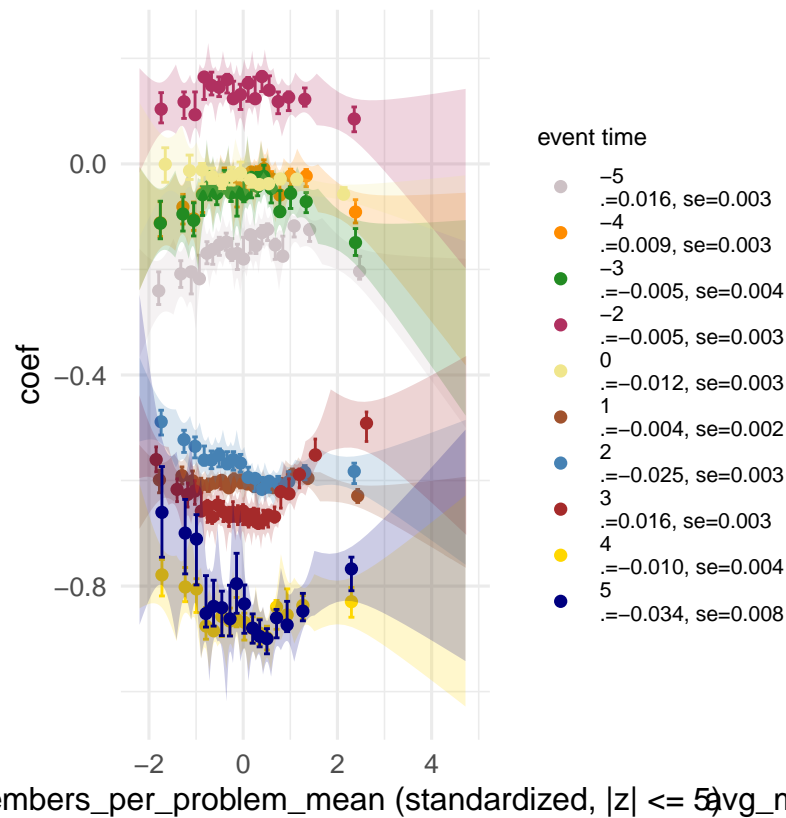avg_unique_types_mean (standardized, |z| <= 5)

Binscatter of Event–study Coefficients
Outcome: overall_new_release_count (rolling1, top15)
knowledge_redundancy –> collaboration
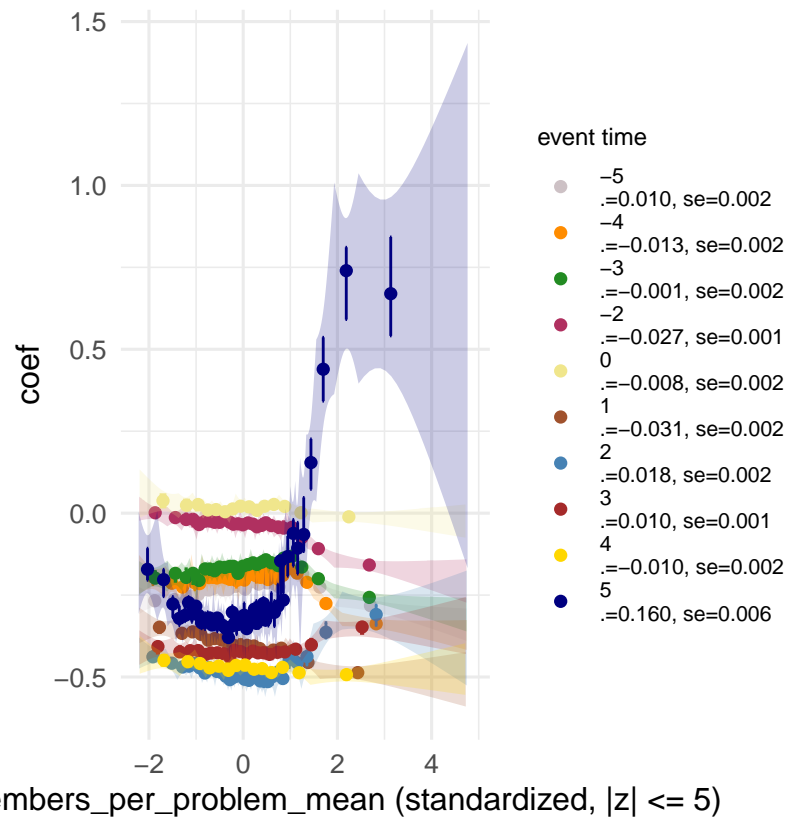hhi –> proj_hhi_pull_request_review_comment
Rank: 2, Importance: 0.181

Binscatter of Event–study Coefficients
Outcome: major_minor_release_count (rol
knowledge_redundancy –> collaboration
hhi –> proj_hhi_pull_request_review_com
Rank: 3, Importance: 0.104

event time
- −5 .=−0.004, se=0.002
- −4 .=−0.010, se=0.002
- −3 .=0.012, se=0.002
- −2 .=0.005, se=0.002
- 0 .=−0.006, se=0.002
- 1 .=0.052, se=0.002
- 2 .=0.024, se=0.002
- 3 .=0.014, se=0.001
- 4 .=0.028, se=0.002
- 5 .=−0.028, se=0.008

event time
- −5 .=−0.000, se=0.002
- −4 .=−0.022, se=0.001
- −3 .=0.004, se=0.001
- −2 .=−0.022, se=0.001
- 0 .=−0.008, se=0.001
- 1 .=0.013, se=0.001
- 2 .=−0.002, se=0.001
- 3 .=−0.007, se=0.001
- 4 .=0.022, se=0.001
- 5 .=0.052, se=0.003

_request_review_comment_mean (standardized, |z| <= 5)

_request_review_comment_mean (standardized, |z| <= 5)
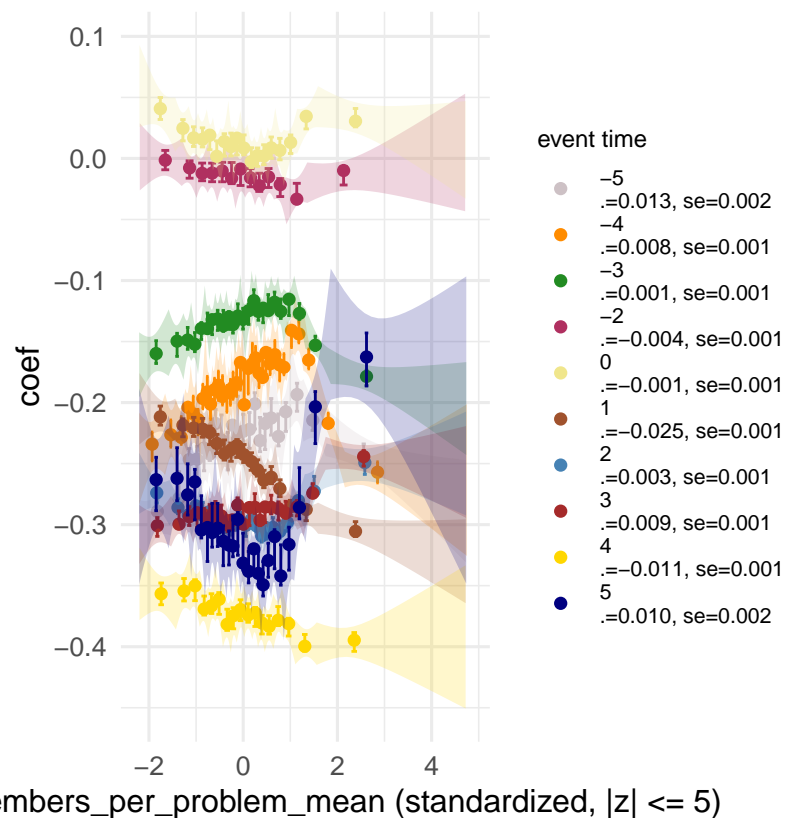
Binscatter of Event−study Coefficients
Outcome: pull_request_merged (rolling1, top15)
knowledge_redundancy −> collaboration
member_count −> avg_members_per_problem
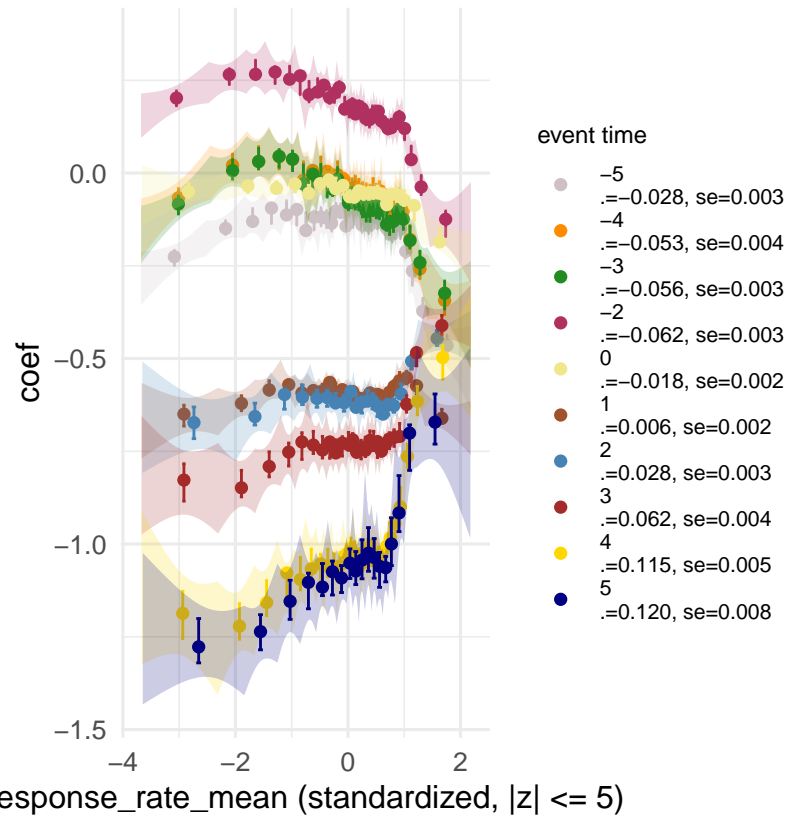Rank: 9, Importance: 0.0453

Binscatter of Event−study Coefficients
Outcome: overall_new_release_count (roll
knowledge_redundancy −> collaboration
member_count −> avg_members_per_pro
Rank: 3, Importance: 0.126

event time
- −5
  .=0.016, se=0.003
- −4
  .=0.009, se=0.003
- −3
  .=−0.005, se=0.004
- −2
  .=−0.005, se=0.003
- 0
  .=−0.012, se=0.003
- 1
  .=−0.004, se=0.002
- 2
  .=−0.025, se=0.003
- 3
  .=0.016, se=0.003
- 4
  .=−0.010, se=0.004
- 5
  .=−0.034, se=0.008

event time
- −5
  .=0.010, se=0.002
- −4
  .=−0.013, se=0.002
- −3
  .=−0.001, se=0.002
- −2
  .=−0.027, se=0.001
- 0
  .=−0.008, se=0.002
- 1
  .=−0.031, se=0.002
- 2
  .=0.018, se=0.002
- 3
  .=0.010, se=0.001
- 4
  .=−0.010, se=0.002
- 5
  .=0.160, se=0.006

embers_per_problem_mean (standardized, |z| <= 5)avg_members_per_problem_mean (standardized, |z| <= 5)
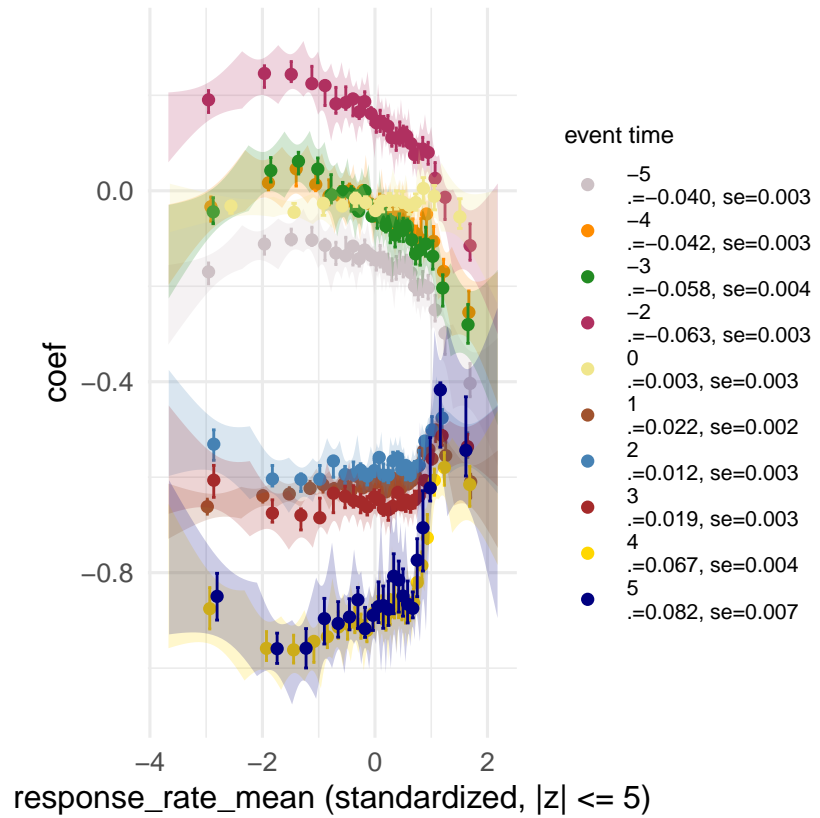
Binscatter of Event−study Coefficients
Outcome: major_minor_release_count (rolling1, top15)
knowledge_redundancy −> collaboration
member_count −> avg_members_per_problem
Rank: 1, Importance: 0.212

event time
- −5
  .=0.013, se=0.002
- −4
  .=0.008, se=0.001
- −3
  .=0.001, se=0.001
- −2
  .=−0.004, se=0.001
- 0
  .=−0.001, se=0.001
- 1
  .=−0.025, se=0.001
- 2
  .=0.003, se=0.001
- 3
  .=0.009, se=0.001
- 4
  .=−0.011, se=0.001
- 5
  .=0.010, se=0.002
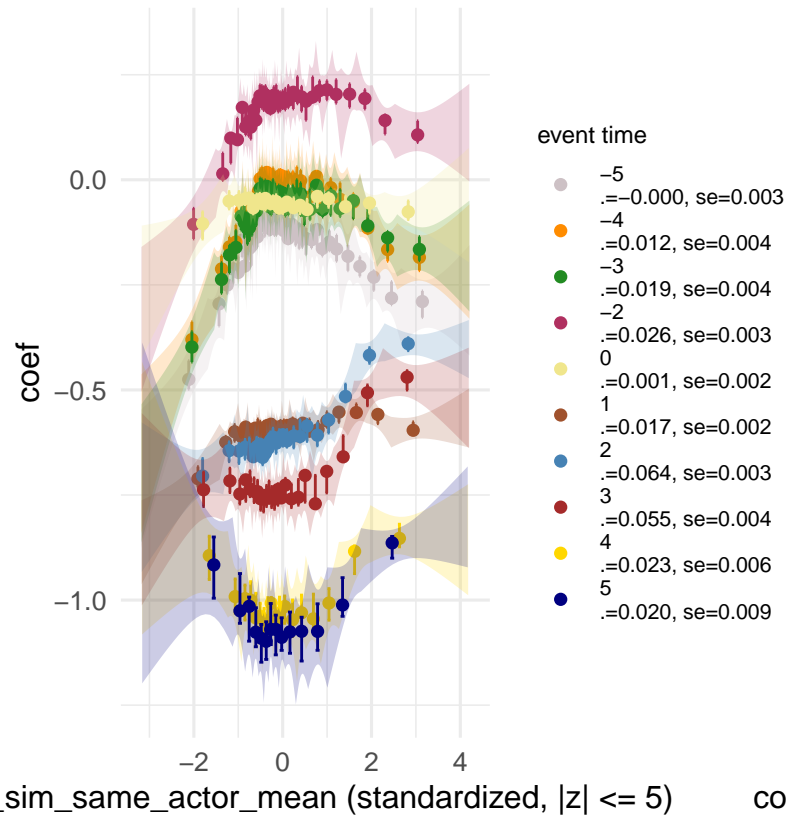
embers_per_problem_mean (standardized, |z| <= 5)

Binscatter of Event–study Coefficients
Outcome: pull_request_opened (rolling1, top15)
talent_investment –> feedback
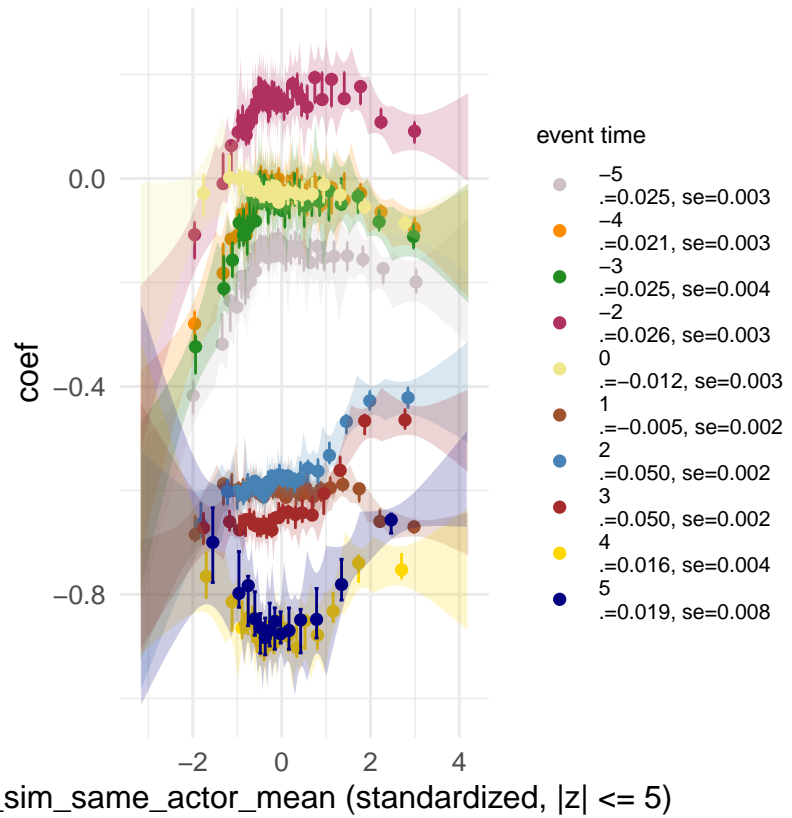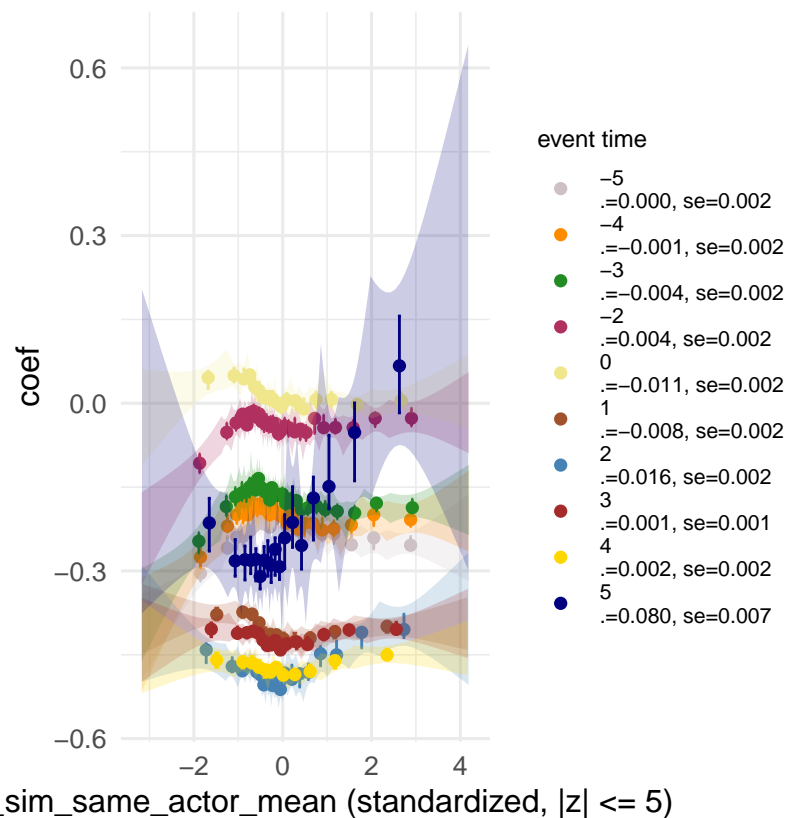response_rate –> response_rate
Rank: 1, Importance: 0.166

event time
- −5
  .=−0.028, se=0.003
- −4
  .=−0.053, se=0.004
- −3
  .=−0.056, se=0.003
- −2
  .=−0.062, se=0.003
- 0
  .=−0.018, se=0.002
- 1
  .=0.006, se=0.002
- 2
  .=0.028, se=0.003
- 3
  .=0.062, se=0.004
- 4
  .=0.115, se=0.005
- 5
  .=0.120, se=0.008

response_rate_mean (standardized, |z| <= 5)

Binscatter of Event–study Coefficients
Outcome: pull_request_merged (rolling1, t
talent_investment –> feedback
response_rate –> response_rate
Rank: 8, Importance: 0.0693

event time
- −5
  .=−0.040, se=0.003
- −4
  .=−0.042, se=0.003
- −3
  .=−0.058, se=0.004
- −2
  .=−0.063, se=0.003
- 0
  .=0.003, se=0.003
- 1
  .=0.022, se=0.002
- 2
  .=0.012, se=0.003
- 3
  .=0.019, se=0.003
- 4
  .=0.067, se=0.004
- 5
  .=0.082, se=0.007

response_rate_mean (standardized, |z| <= 5)

Binscatter of Event−study Coefficients
Outcome: pull_request_opened (rolling1, top15)
knowledge_redundancy −> broad_expertise
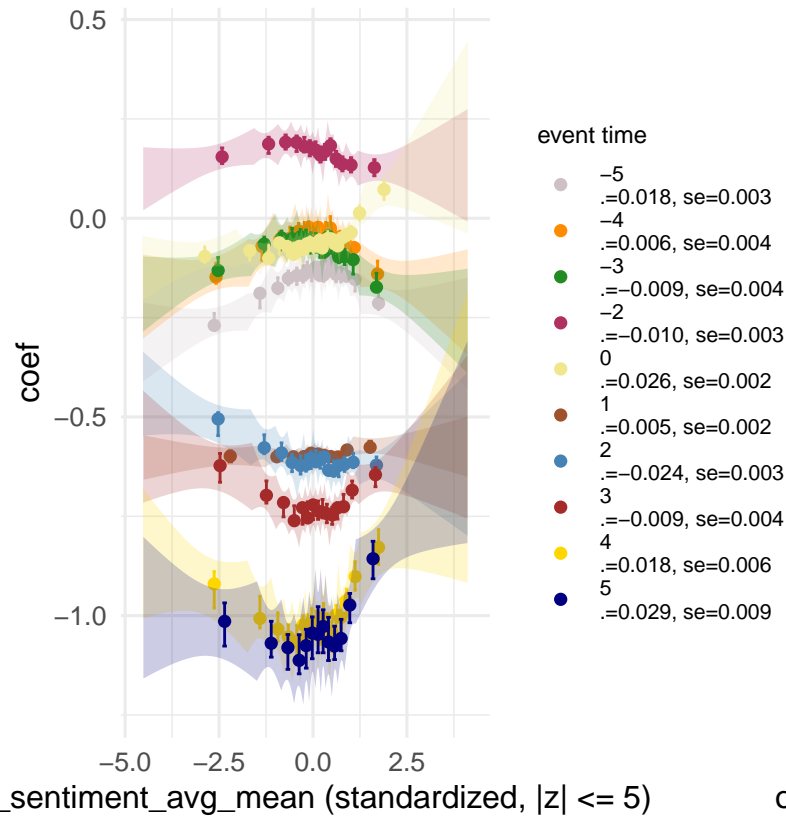discussion_content −> cos_sim_same_actor
Rank: 5, Importance: 0.0896

Binscatter of Event−study Coefficients
Outcome: pull_request_merged (rolling1, t
knowledge_redundancy −> broad_expertis
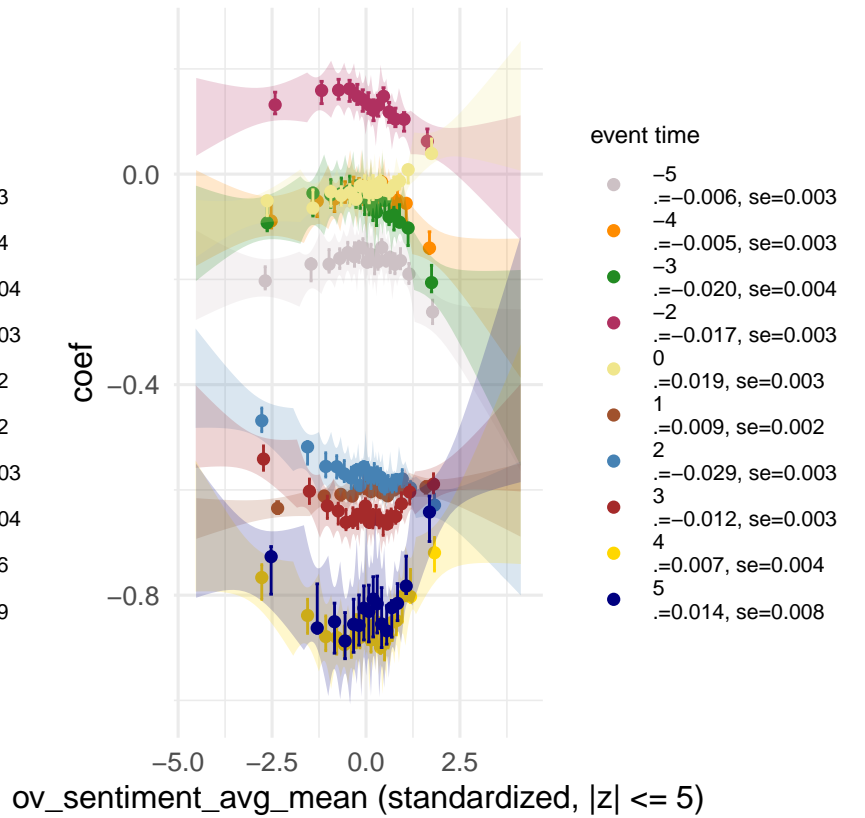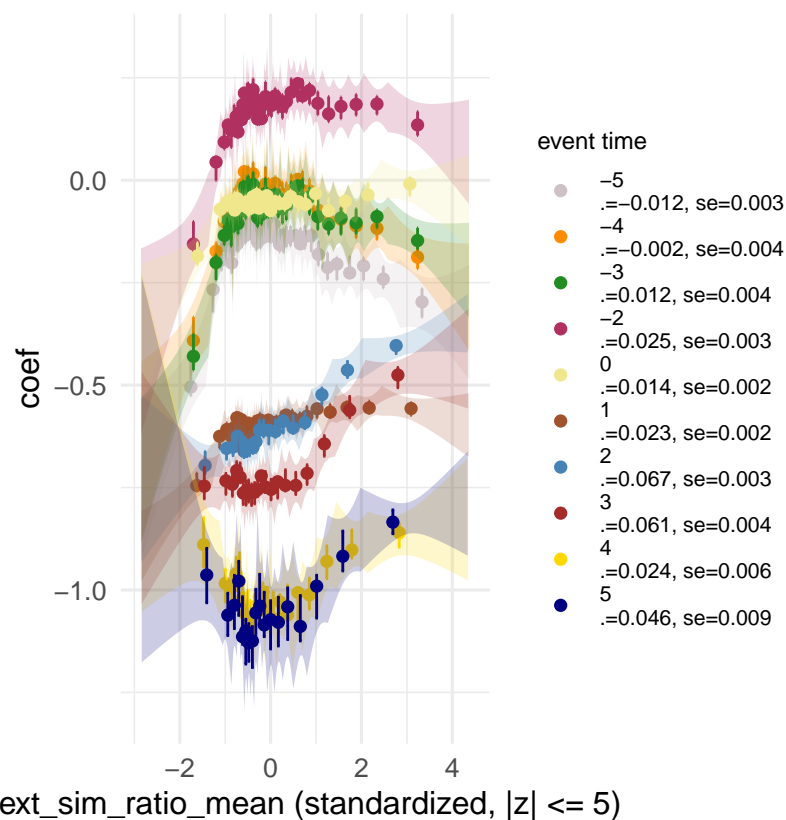discussion_content −> cos_sim_same_act
Rank: 4, Importance: 0.109

Binscatter of Event−study Coefficients
Outcome: overall_new_release_count (rolling1, top15)
knowledge_redundancy −> broad_expertise
discussion_content −> cos_sim_same_actor
Rank: 5, Importance: 0.0882

Binscatter of Event−study Coefficients
Outcome: pull_request_opened (rolling1, top15)
talent_investment −> feedback
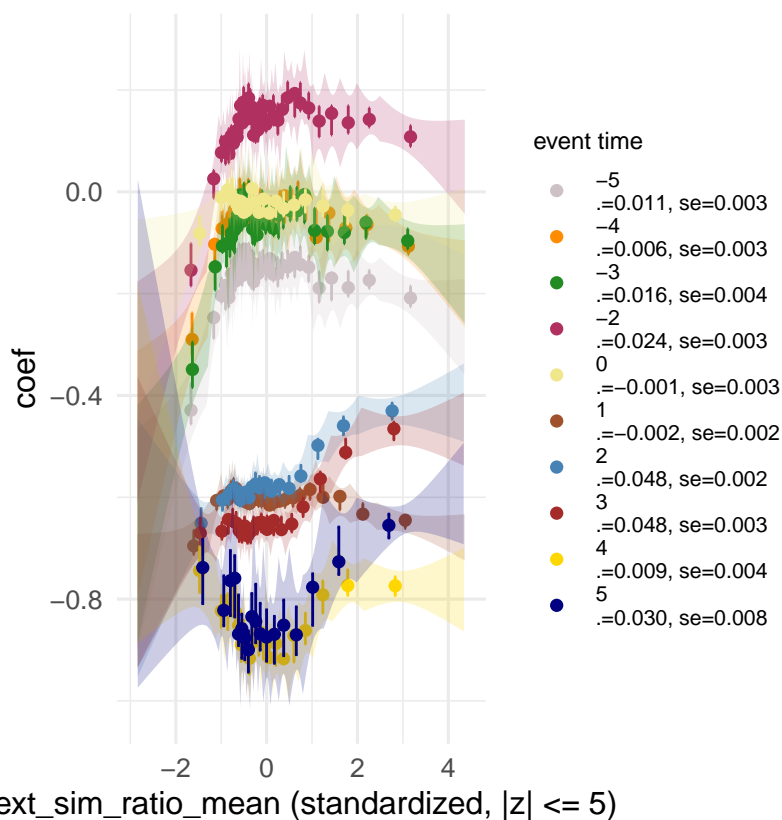response_sentiment −> ov_sentiment_avg
Rank: 6, Importance: 0.0869

event time
- −5 .=0.018, se=0.003
- −4 .=0.006, se=0.004
- −3 .=−0.009, se=0.004
- −2 .=−0.010, se=0.003
- 0 .=0.026, se=0.002
- 1 .=0.005, se=0.002
- 2 .=−0.024, se=0.003
- 3 .=−0.009, se=0.004
- 4 .=0.018, se=0.006
- 5 .=0.029, se=0.009

_sentiment_avg_mean (standardized, |z| <= 5)

Binscatter of Event−study Coefficients
Outcome: pull_request_merged (rolling1, t
talent_investment −> feedback
response_sentiment −> ov_sentiment_avg
Rank: 5, Importance: 0.089

event time
- −5 .=−0.006, se=0.003
- −4 .=−0.005, se=0.003
- −3 .=−0.020, se=0.004
- −2 .=−0.017, se=0.003
- 0 .=0.019, se=0.003
- 1 .=0.009, se=0.002
- 2 .=−0.029, se=0.003
- 3 .=−0.012, se=0.003
- 4 .=0.007, se=0.004
- 5 .=0.014, se=0.008

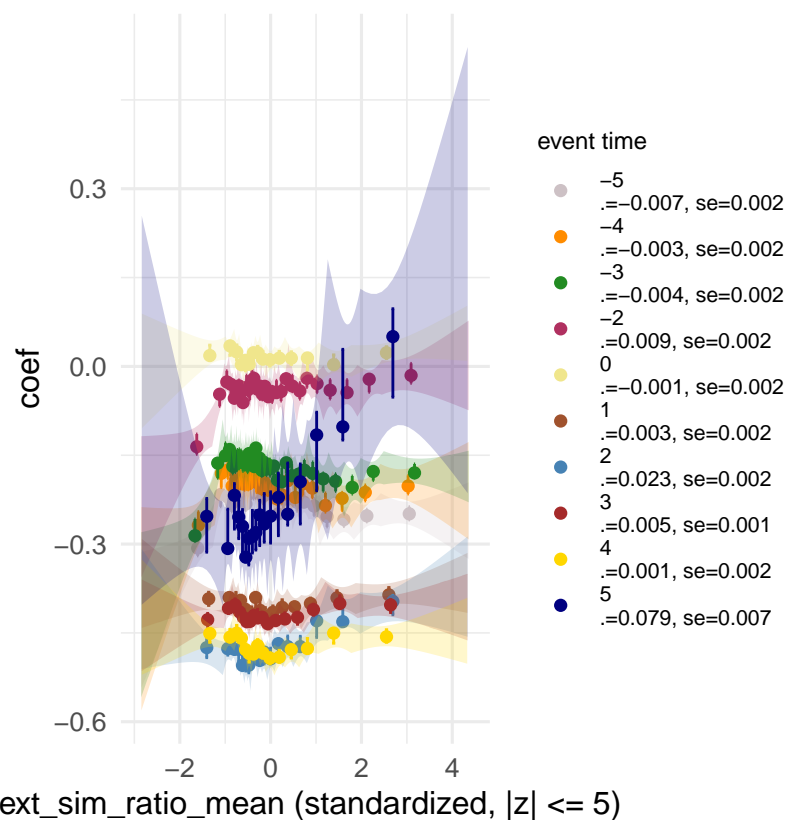ov_sentiment_avg_mean (standardized, |z| <= 5)

Binscatter of Event−study Coefficients
Outcome: pull_request_opened (rolling1, top15)
knowledge_redundancy −> broad_expertise
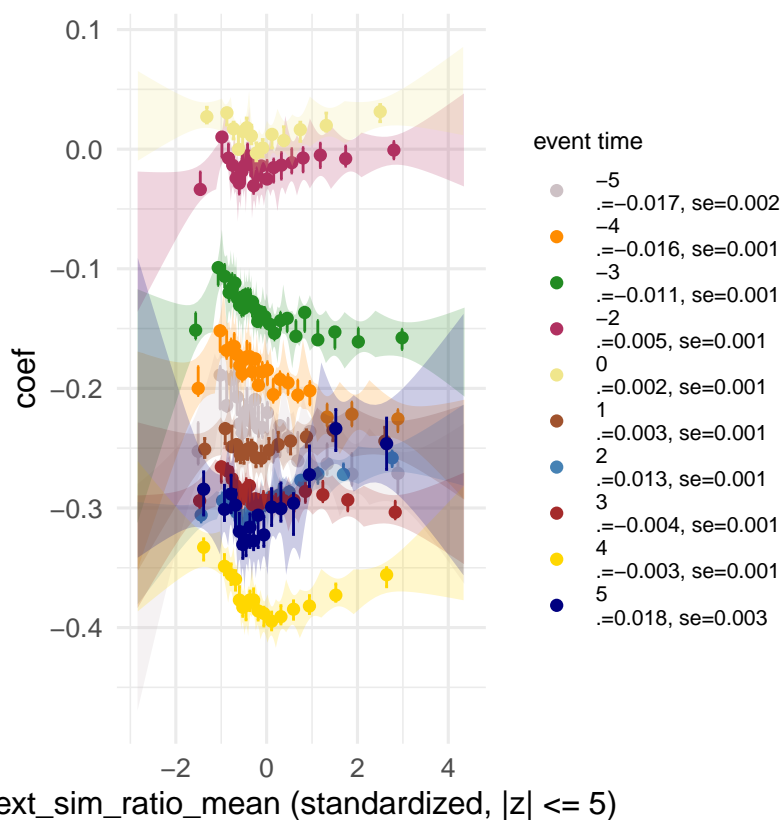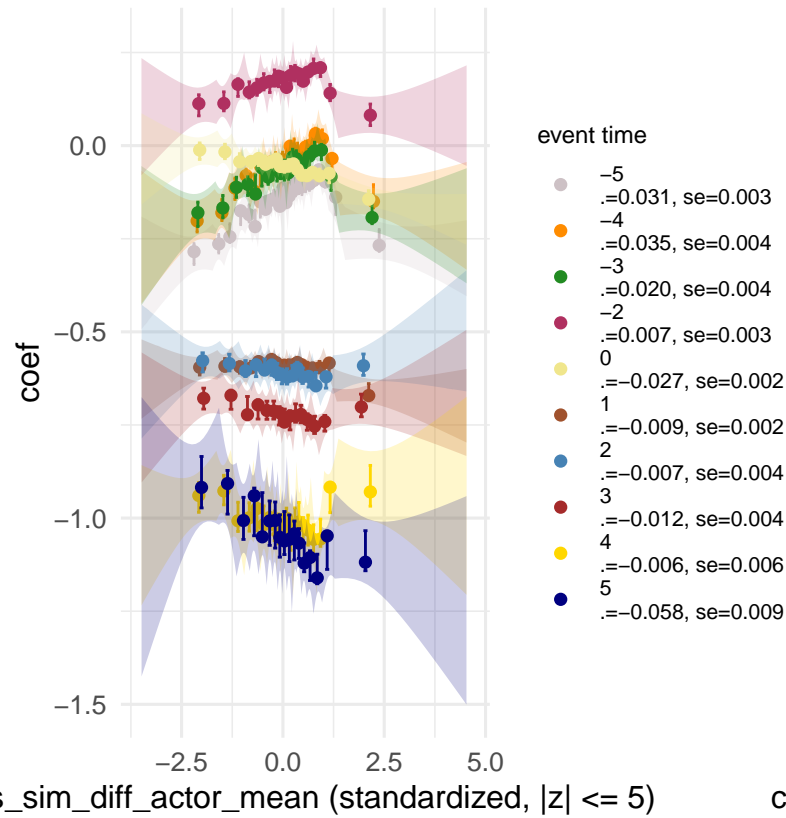discussion_content −> text_sim_ratio
Rank: 8, Importance: 0.0691

Binscatter of Event−study Coefficients
Outcome: pull_request_merged (rolling1, t
knowledge_redundancy −> broad_expertis
discussion_content −> text_sim_ratio
Rank: 3, Importance: 0.11

Binscatter of Event−study Coefficients
Outcome: overall_new_release_count (rolling1, top15)
knowledge_redundancy −> broad_expertise
discussion_content −> text_sim_ratio
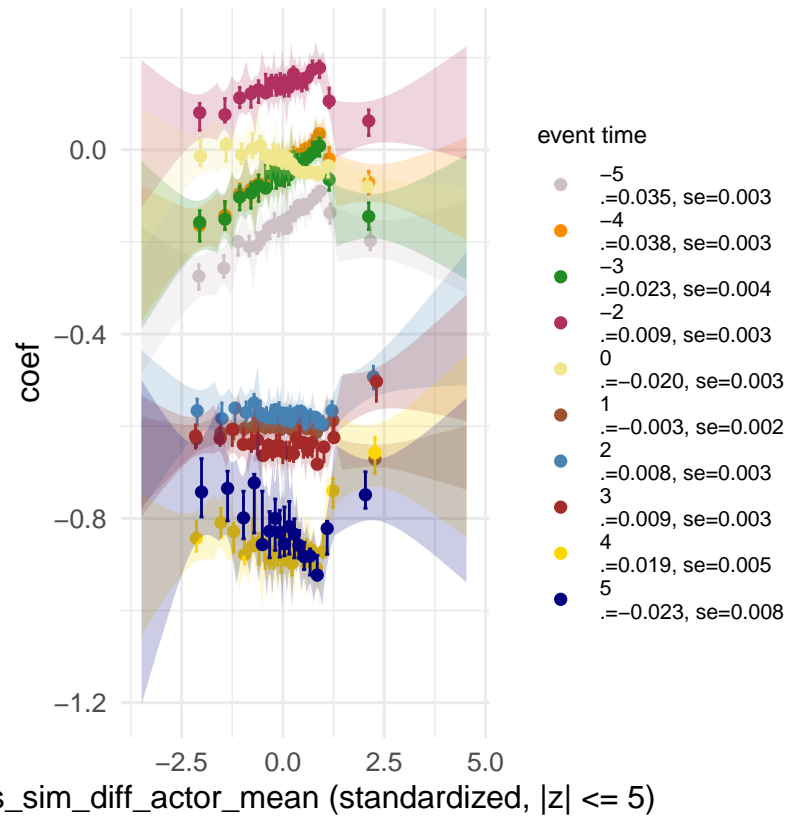Rank: 7, Importance: 0.0534

Binscatter of Event−study Coefficients
Outcome: major_minor_release_count (rol
knowledge_redundancy −> broad_expertis
discussion_content −> text_sim_ratio
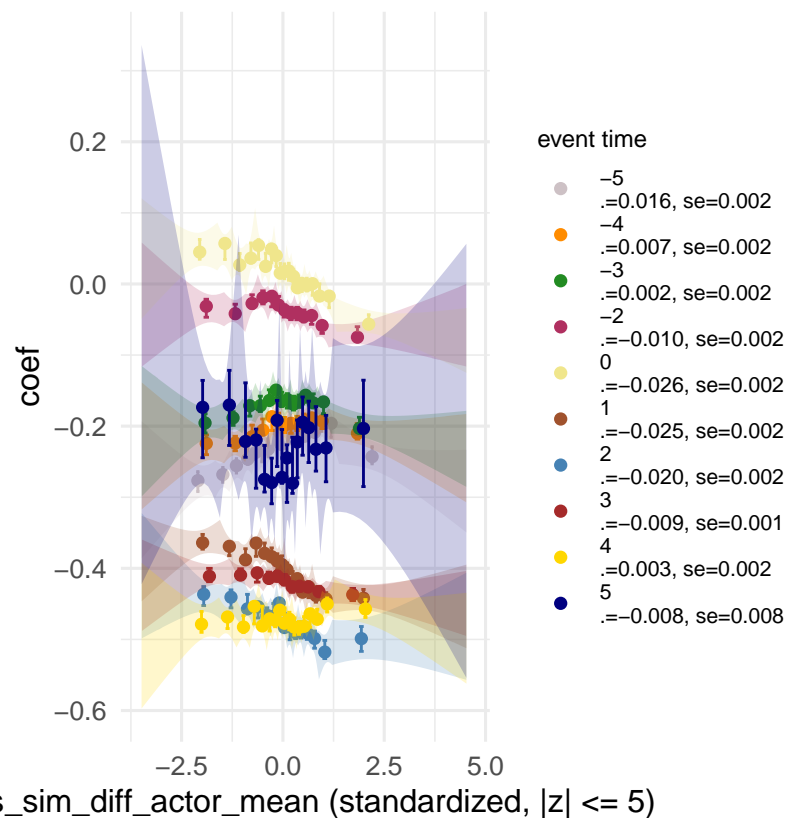Rank: 4, Importance: 0.1

Binscatter of Event–study Coefficients
Outcome: pull_request_opened (rolling1, top15)
knowledge_redundancy –> broad_expertise
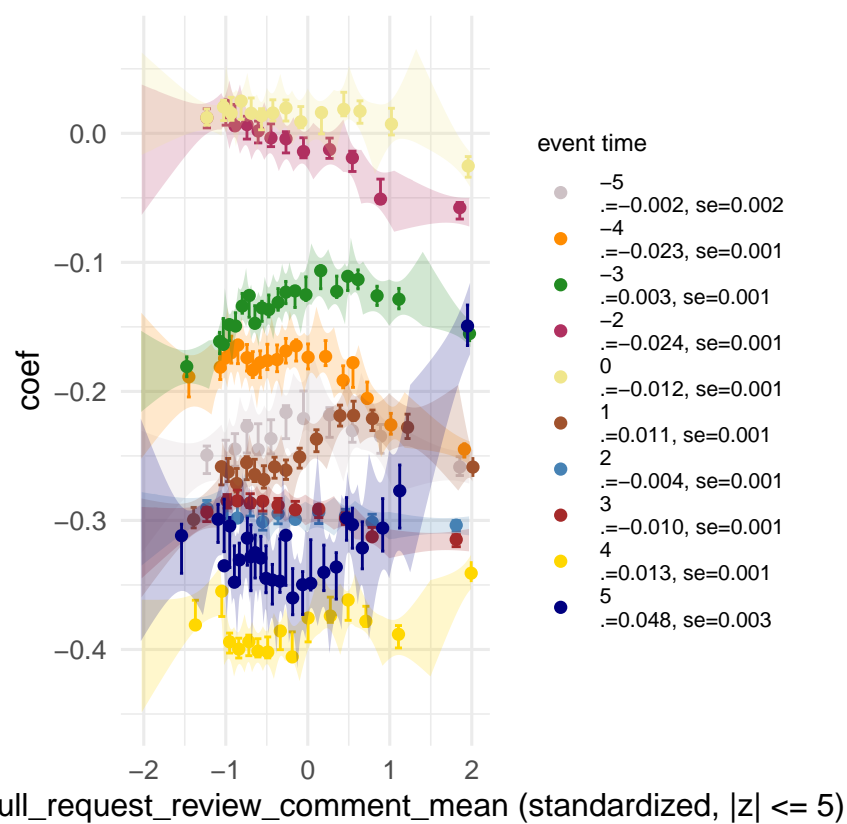discussion_content –> cos_sim_diff_actor
Rank: 4, Importance: 0.0981

Binscatter of Event–study Coefficients
Outcome: pull_request_merged (rolling1, t
knowledge_redundancy –> broad_expertis
discussion_content –> cos_sim_diff_actor
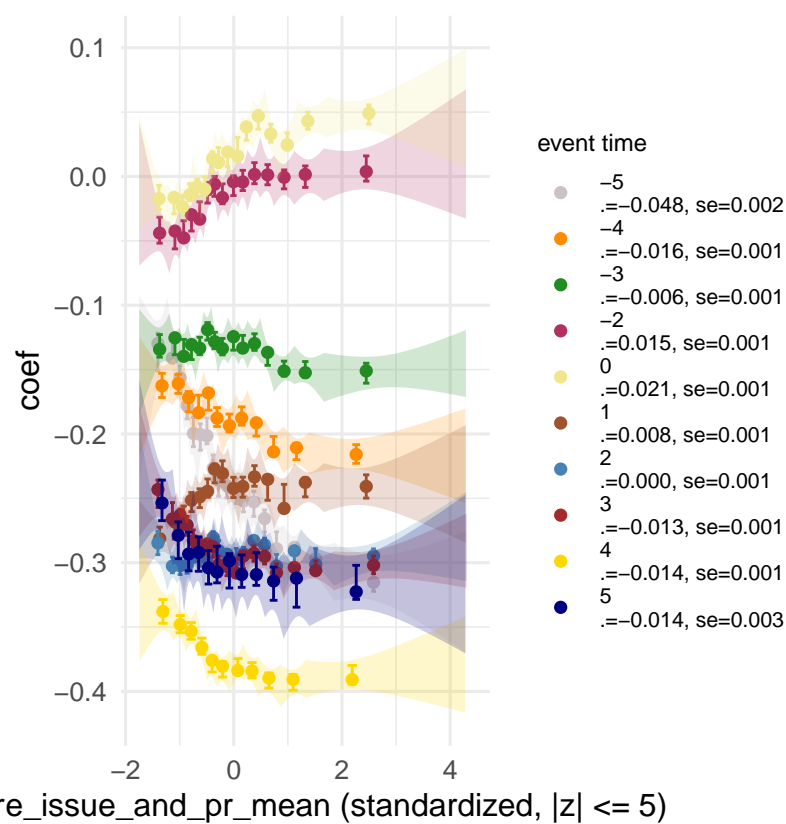Rank: 6, Importance: 0.0797

Binscatter of Event–study Coefficients
Outcome: overall_new_release_count (rolling1, top15)
knowledge_redundancy –> broad_expertise
discussion_content –> cos_sim_diff_actor
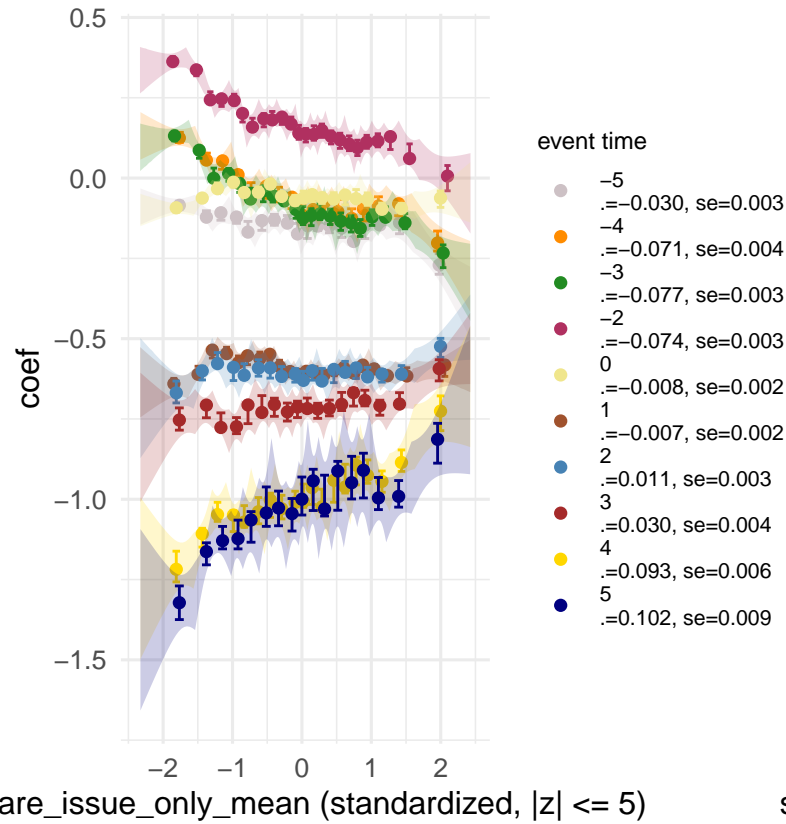Rank: 8, Importance: 0.0389

Binscatter of Event–study Coefficients
Outcome: major_minor_release_count (rolling1, top15)
knowledge_redundancy –> collaboration
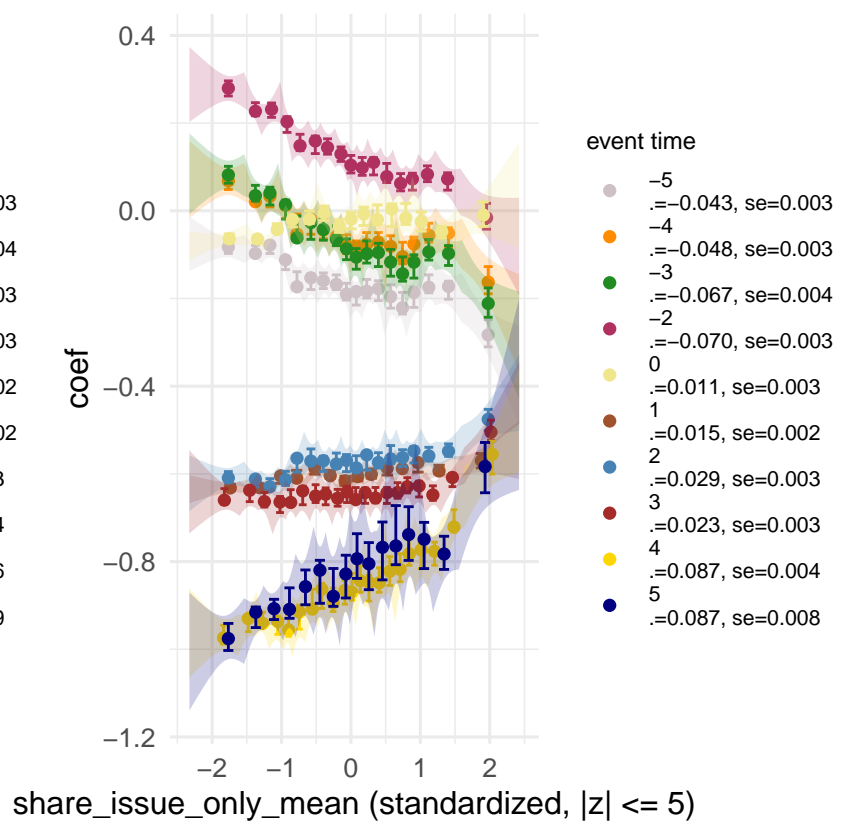problem_hhi –> proj_prob_hhi_pull_request_review_comment
Rank: 6, Importance: 0.0626

Binscatter of Event−study Coefficients
Outcome: major_minor_release_count (rolling1, top15)
knowledge_redundancy −> broad_expertise
issue_pr_share −> share_issue_and_pr
Rank: 7, Importance: 0.0439

share_issue_and_pr_mean (standardized, |z| <= 5)

Binscatter of Event–study Coefficients
Outcome: pull_request_opened (rolling1, top15)
knowledge_redundancy –> broad_expertise
issue_pr_share –> share_issue_only
Rank: 7, Importance: 0.0736

Binscatter of Event–study Coefficients
Outcome: pull_request_merged (rolling1, t
knowledge_redundancy –> broad_expertis
issue_pr_share –> share_issue_only
Rank: 7, Importance: 0.0786

event time

-5	.=−0.030, se=0.003
-4	.=−0.071, se=0.004
-3	.=−0.077, se=0.003
-2	.=−0.074, se=0.003
0	.=−0.008, se=0.002
1	.=−0.007, se=0.002
2	.=0.011, se=0.003
3	.=0.030, se=0.004
4	.=0.093, se=0.006
5	.=0.102, se=0.009

event time

-5	.=−0.043, se=0.003
-4	.=−0.048, se=0.003
-3	.=−0.067, se=0.004
-2	.=−0.070, se=0.003
0	.=0.011, se=0.003
1	.=0.015, se=0.002
2	.=0.029, se=0.003
3	.=0.023, se=0.003
4	.=0.087, se=0.004
5	.=0.087, se=0.008

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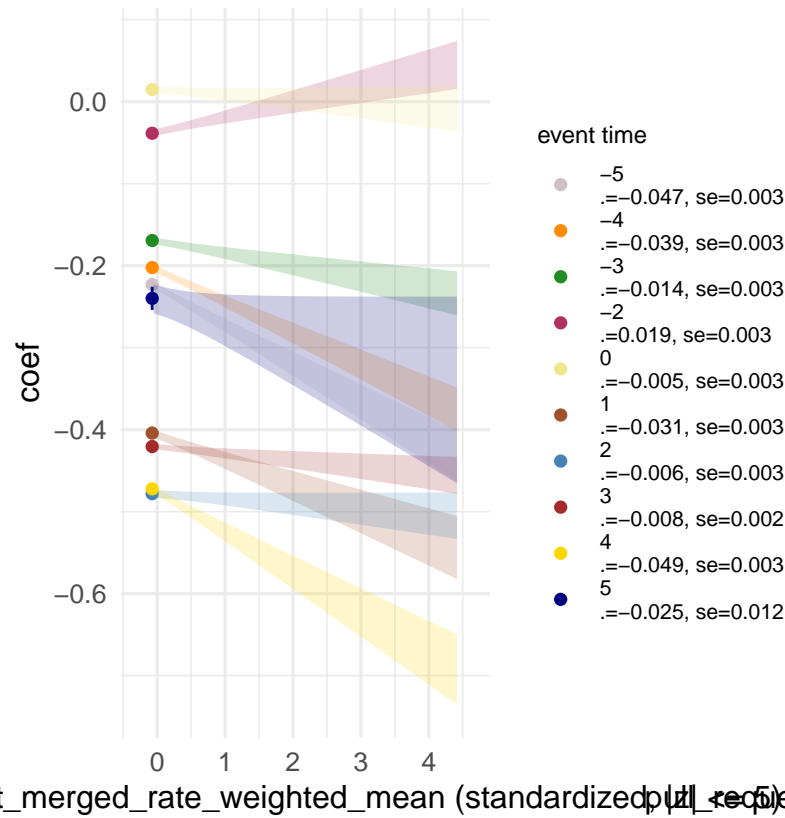share_issue_only_mean (standardized, |z| <= 5)

Binscatter of Event−study Coefficients
Outcome: overall_new_release_count (rolling1, top15)
talent_investment –> growth_opportunity
merge_review_pr –> pull_request_merged_rate_weighted_mean
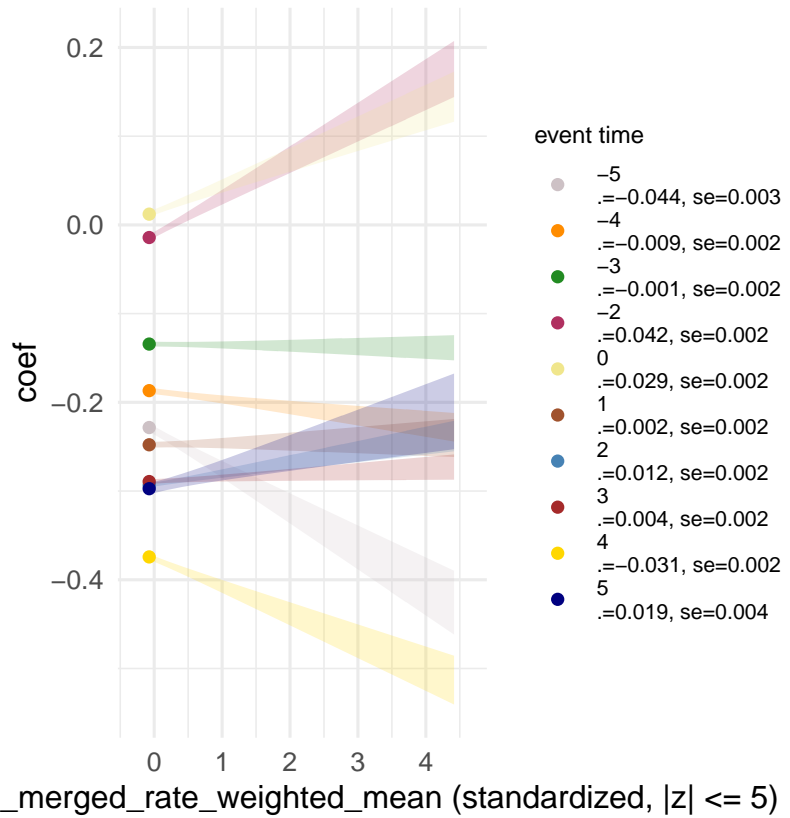Rank: 10, Importance: 0.0302

Binscatter of Event−study Coefficients
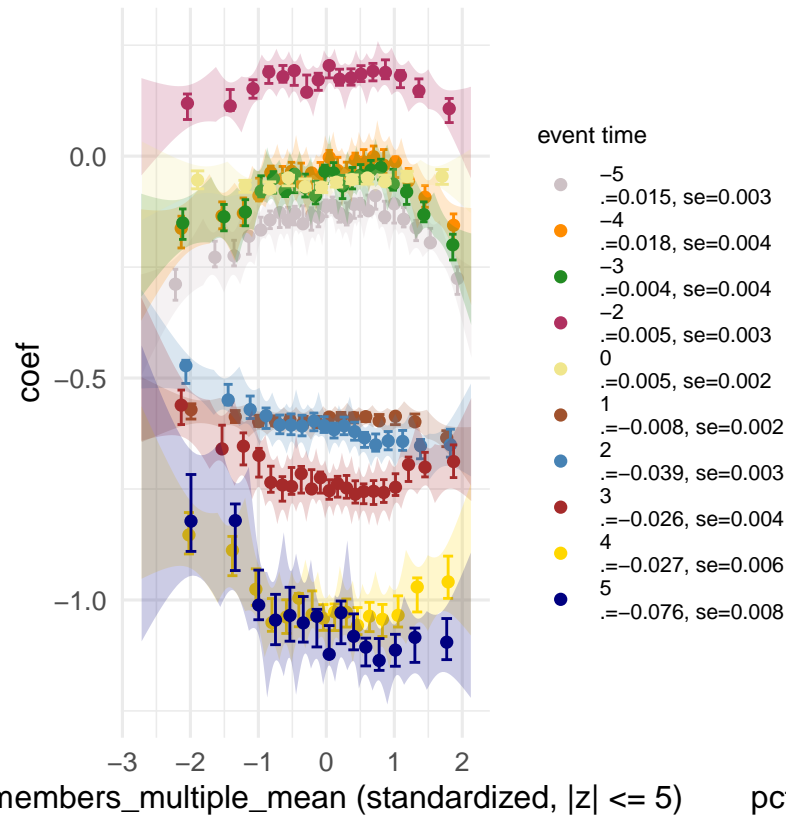Outcome: major_minor_release_count (rolling1, top15)
talent_investment –> growth_opportunity
merge_review_pr –> pull_request_merged
Rank: 5, Importance: 0.0677
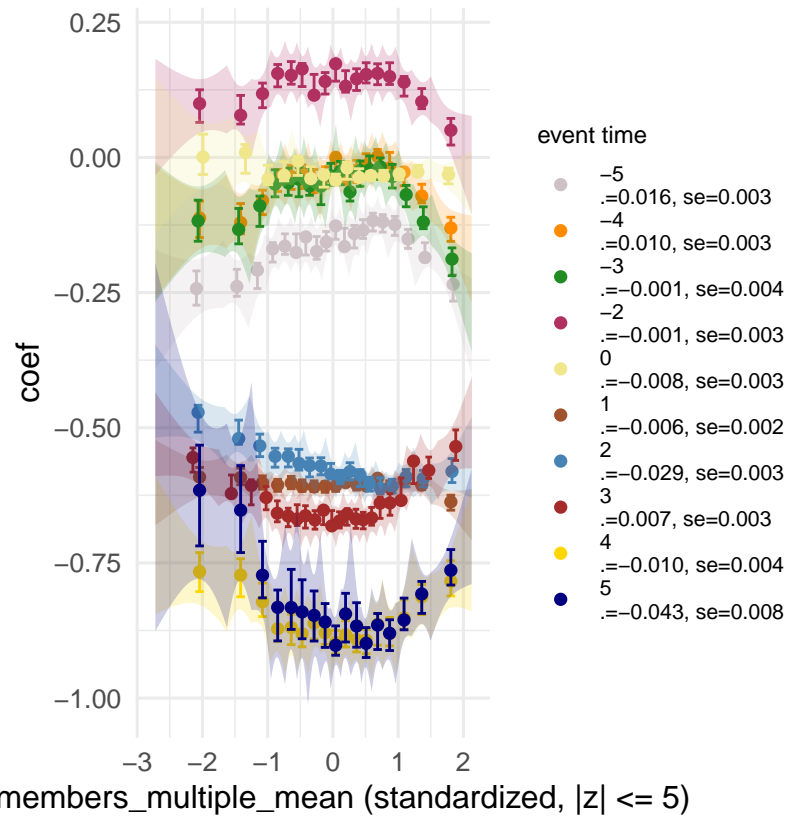

event time

- −5
  .=−0.047, se=0.003
- −4
  .=−0.039, se=0.003
- −3
  .=−0.014, se=0.003
- −2
  .=0.019, se=0.003
- 0
  .=−0.005, se=0.003
- 1
  .=−0.031, se=0.003
- 2
  .=−0.006, se=0.003
- 3
  .=−0.008, se=0.002
- 4
  .=−0.049, se=0.003
- 5
  .=−0.025, se=0.012

event time

- −5
  .=−0.044, se=0.003
- −4
  .=−0.009, se=0.002
- −3
  .=−0.001, se=0.002
- −2
  .=0.042, se=0.002
- 0
  .=0.029, se=0.002
- 1
  .=0.002, se=0.002
- 2
  .=0.012, se=0.002
- 3
  .=0.004, se=0.002
- 4
  .=−0.031, se=0.002
- 5
  .=0.019, se=0.004

_merged_rate_weighted_mean (standardized, |z| <= 5)

pull_request_merged_rate_weighted_mean (standardized, |z| <= 5)

Binscatter of Event–study Coefficients
Outcome: pull_request_opened (rolling1, top15)
knowledge_redundancy –> collaboration
member_count –> pct_members_multiple
Rank: 9, Importance: 0.0637

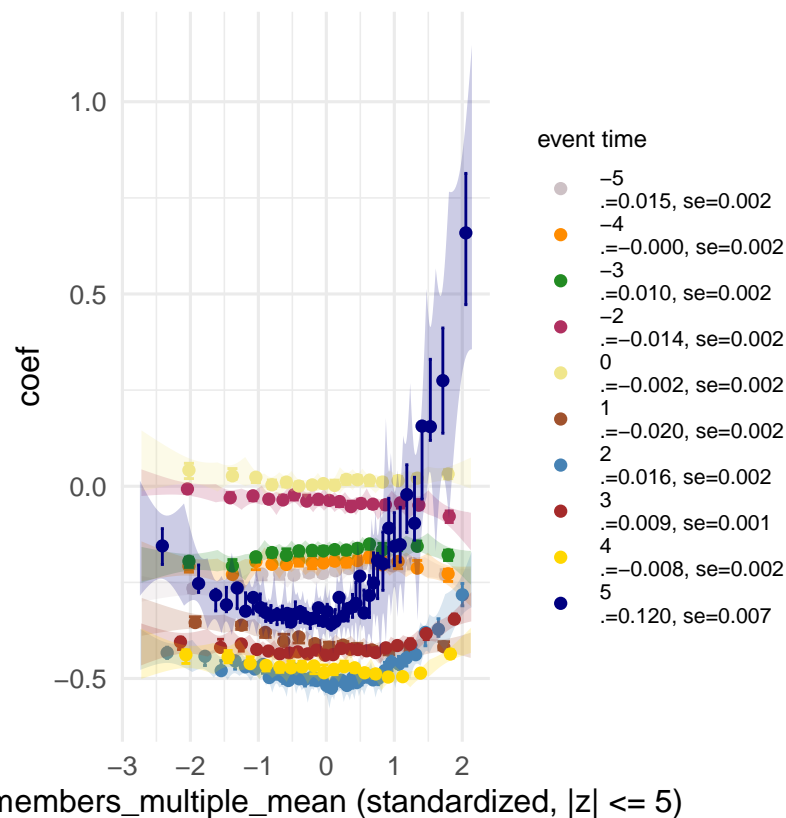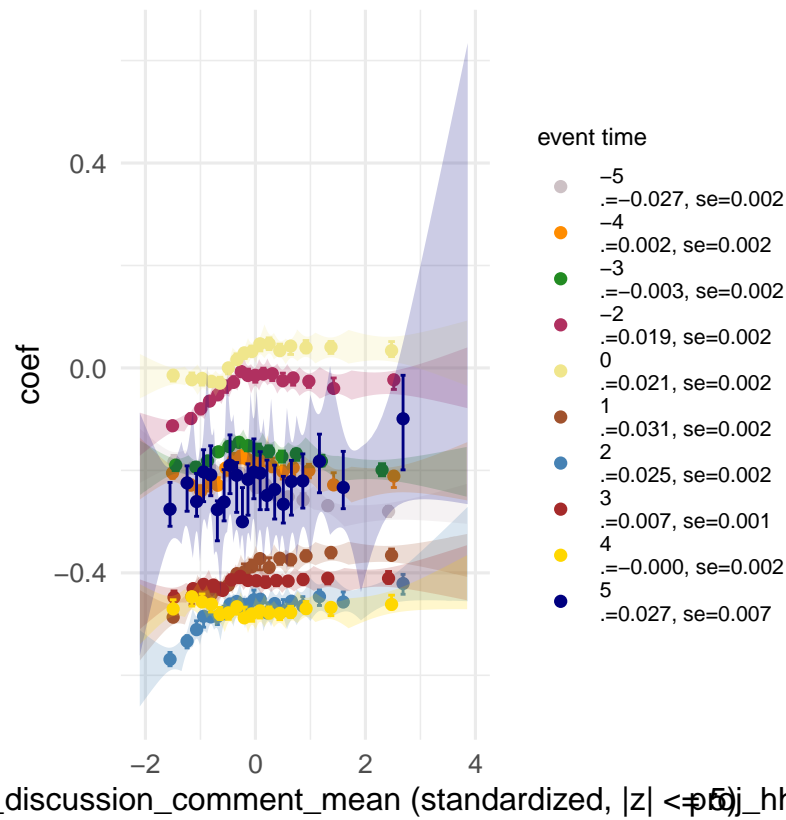**Binscatter of Event–study Coefficients**
Outcome: pull_request_merged (rolling1,
knowledge_redundancy –> collaboration
member_count –> pct_members_multiple
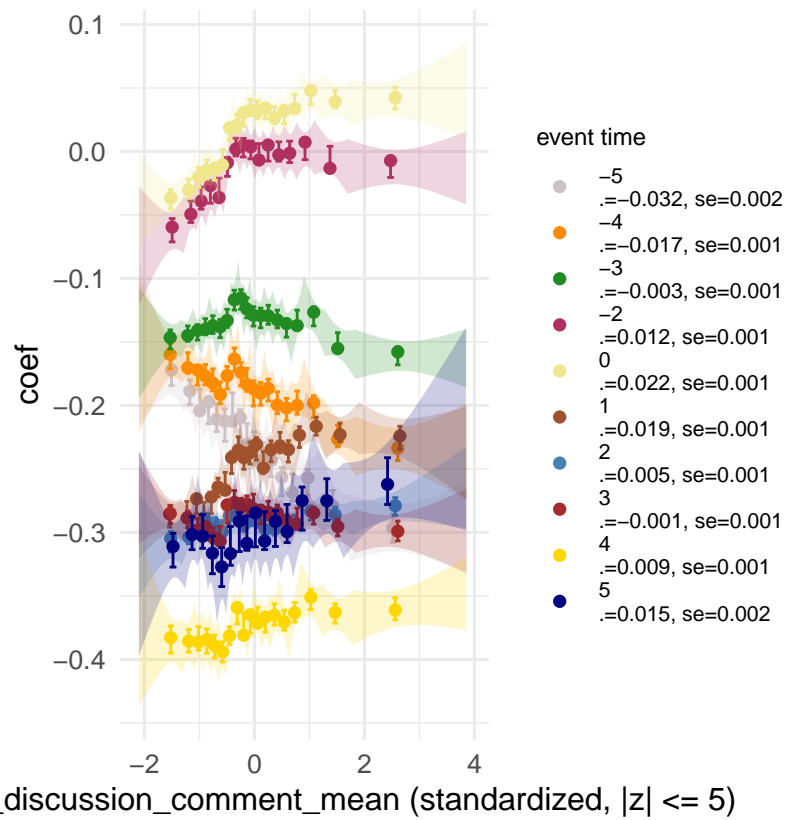Rank: 11, Importance: 0.0198

Binscatter of Event–study Coefficients
Outcome: overall_new_release_count (rolling1, top15)
knowledge_redundancy –> collaboration
member_count –> pct_members_multiple
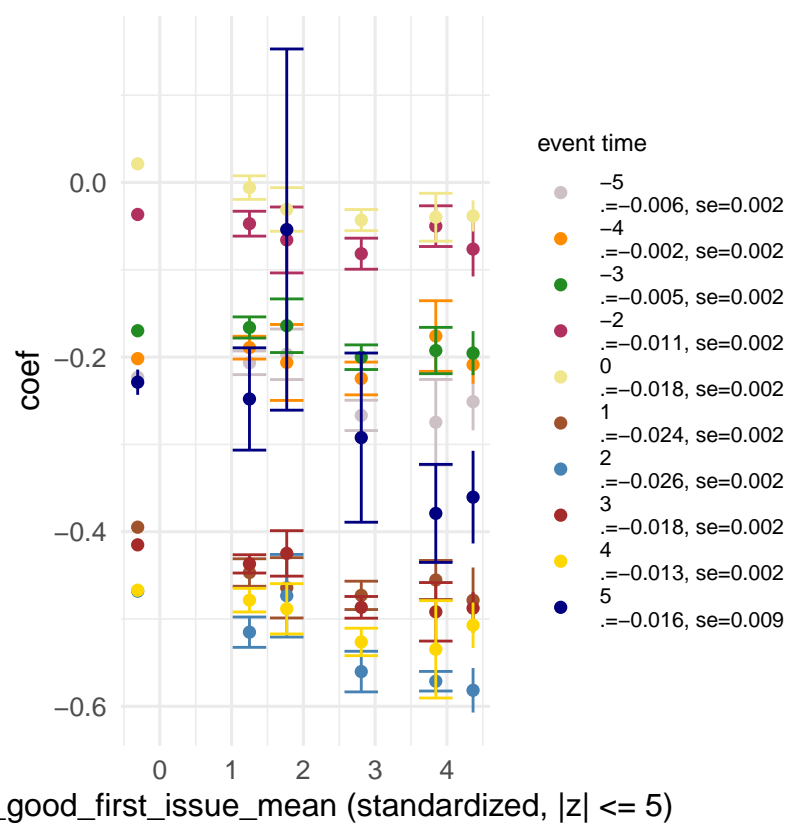Rank: 4, Importance: 0.0891

Binscatter of Event–study Coefficients
Outcome: overall_new_release_count (rolling1, top15)
knowledge_redundancy –> collaboration
hhi –> proj_hhi_discussion_comment
Rank: 6, Importance: 0.0584

Binscatter of Event–study Coefficients
Outcome: major_minor_release_count (rol...
knowledge_redundancy –> collaboration
hhi –> proj_hhi_discussion_comment
Rank: 10, Importance: 0.0329

Left panel:

event time

- −5 .=−0.027, se=0.002
- −4 .=0.002, se=0.002
- −3 .=−0.003, se=0.002
- −2 .=0.019, se=0.002
- 0 .=0.021, se=0.002
- 1 .=0.031, se=0.002
- 2 .=0.025, se=0.002
- 3 .=0.007, se=0.001
- 4 .=−0.000, se=0.002
- 5 .=0.027, se=0.007

_discussion_comment_mean (standardized, |z| <= 5)

Right panel:

event time

- −5 .=−0.032, se=0.002
- −4 .=−0.017, se=0.001
- −3 .=−0.003, se=0.001
- −2 .=0.012, se=0.001
- 0 .=0.022, se=0.001
- 1 .=0.019, se=0.001
- 2 .=0.005, se=0.001
- 3 .=−0.001, se=0.001
- 4 .=0.009, se=0.001
- 5 .=0.015, se=0.002

proj_hhi_discussion_comment_mean (standardized, |z| <= 5)

Binscatter of Event–study Coefficients
Outcome: overall_new_release_count (rolling1, top15)
organizational_routines –> newcomer_guidelines
good_first_issue –> has_good_first_issue
Rank: 9, Importance: 0.0307

event time

- −5
  .=−0.006, se=0.002
- −4
  .=−0.002, se=0.002
- −3
  .=−0.005, se=0.002
- −2
  .=−0.011, se=0.002
- 0
  .=−0.018, se=0.002
- 1
  .=−0.024, se=0.002
- 2
  .=−0.026, se=0.002
- 3
  .=−0.018, se=0.002
- 4
  .=−0.013, se=0.002
- 5
  .=−0.016, se=0.009

_good_first_issue_mean (standardized, |z| <= 5)

Binscatter of Event−study Coefficients
Outcome: overall_new_release_count (rolling1, to...)
knowledge_redundancy −> collaboration
problem_hhi −> proj_prob_hhi_issue_comment
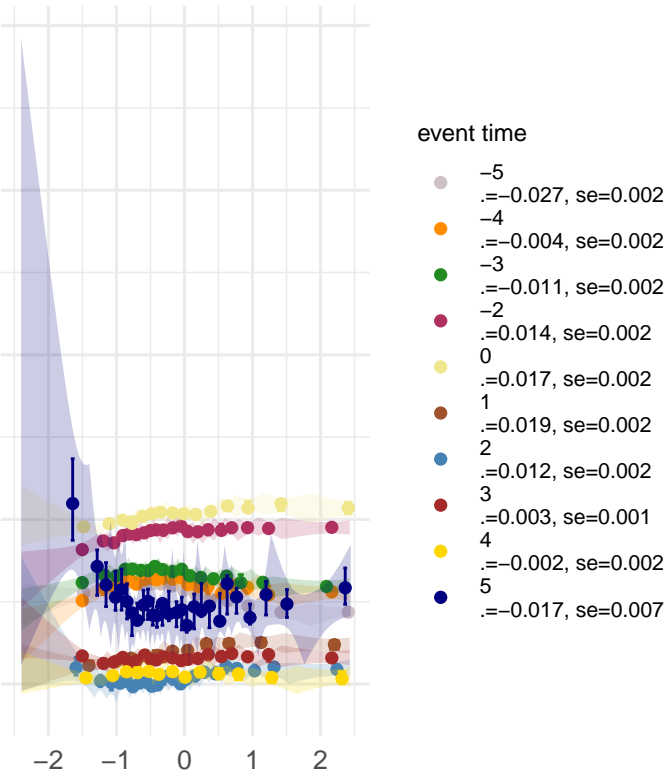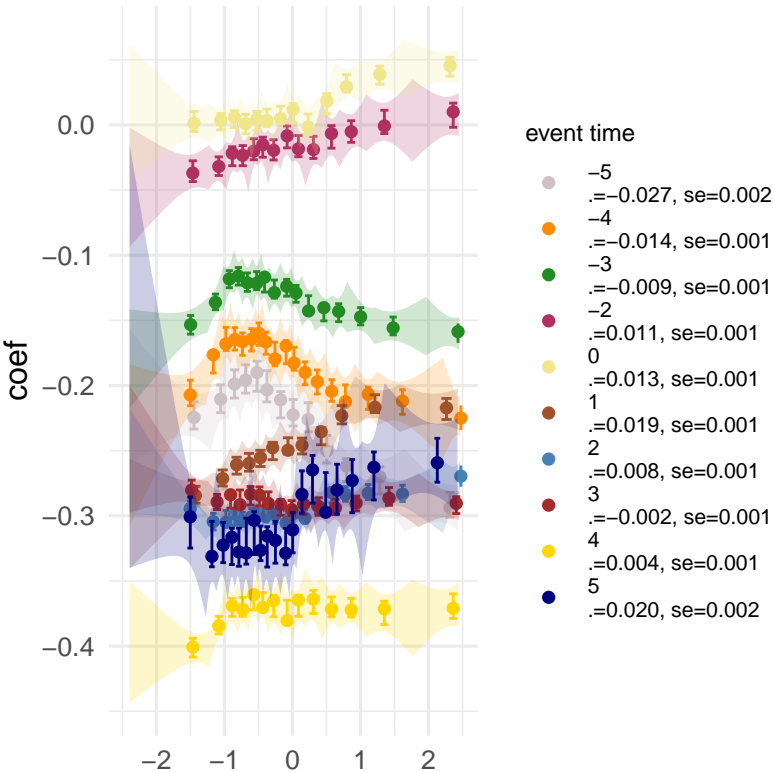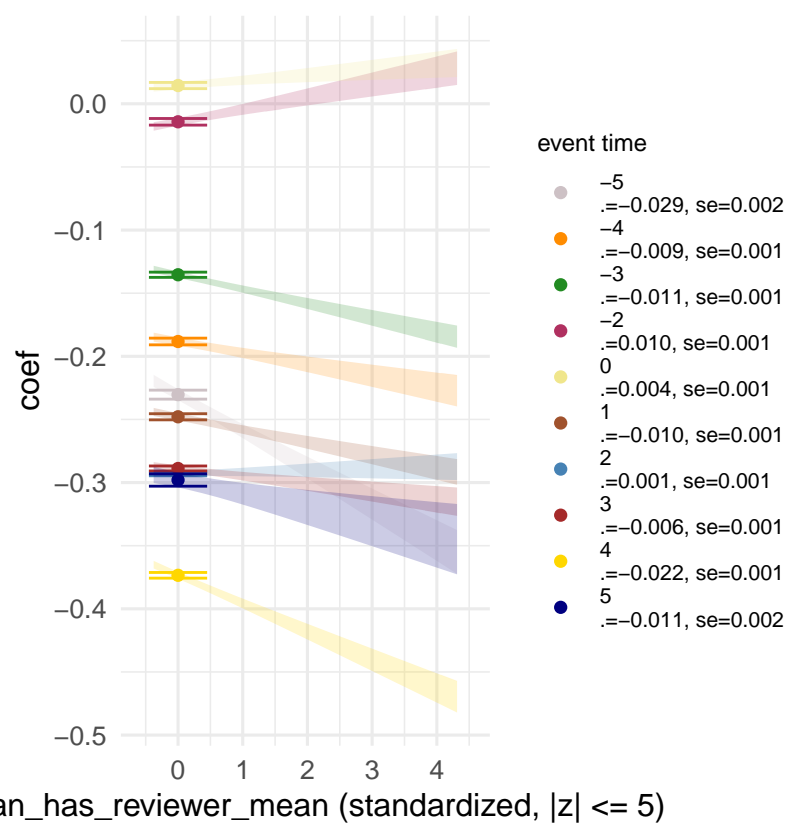Rank: 12, Importance: 0.0227

Binscatter of Event−study Coefficients
Outcome: major_minor_release_count (rol...)
knowledge_redundancy −> collaboration
problem_hhi −> proj_prob_hhi_issue_com...
Rank: 8, Importance: 0.0427

Binscatter of Event–study Coefficients
Outcome: major_minor_release_count (rolling1, top15)
organizational_routines –> organized_assignment
pr_reviewers –> mean_has_reviewer
Rank: 11, Importance: 0.0272

event time

- −5
  .=−0.029, se=0.002
- −4
  .=−0.009, se=0.001
- −3
  .=−0.011, se=0.001
- −2
  .=0.010, se=0.001
- 0
  .=0.004, se=0.001
- 1
  .=−0.010, se=0.001
- 2
  .=0.001, se=0.001
- 3
  .=−0.006, se=0.001
- 4
  .=−0.022, se=0.001
- 5
  .=−0.011, se=0.002

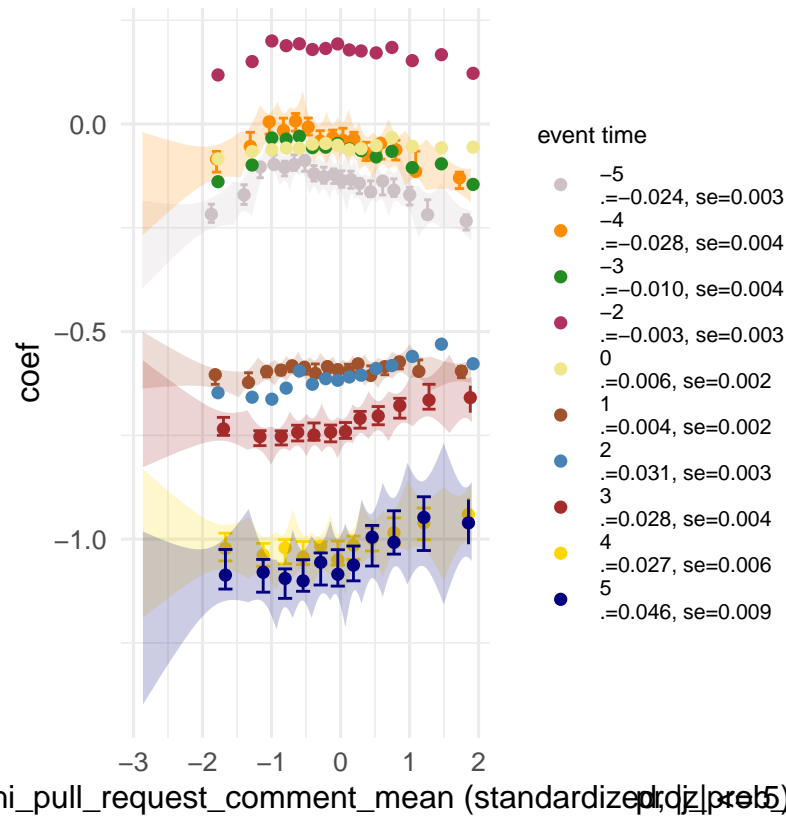an_has_reviewer_mean (standardized, |z| <= 5)

Binscatter of Event–study Coefficients
Outcome: pull_request_opened (rolling1, top15)
knowledge_redundancy –> collaboration
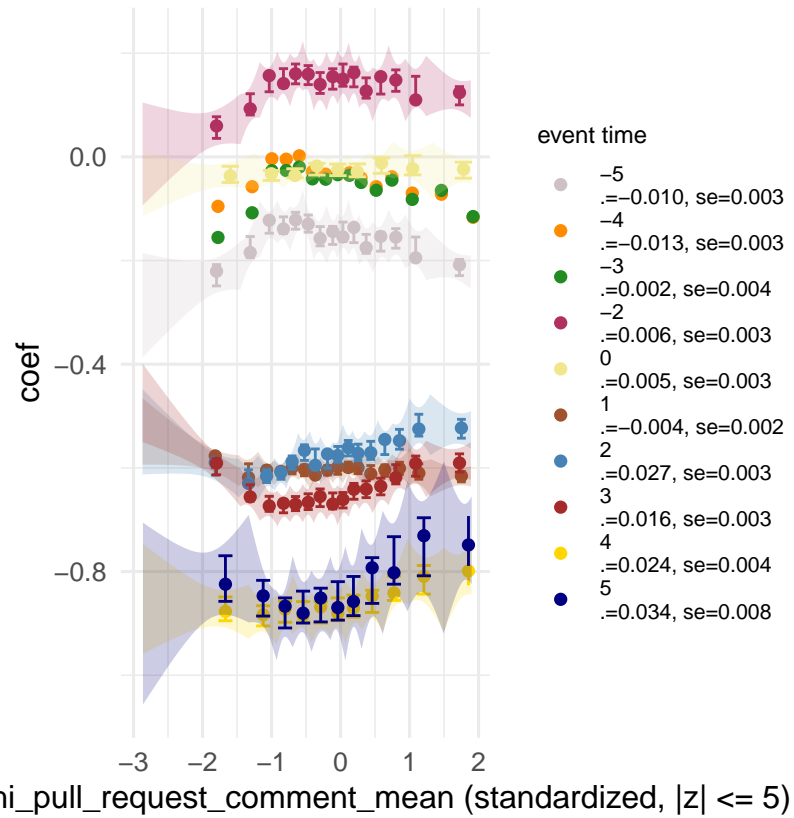problem_hhi –> proj_prob_hhi_pull_request_comment
Rank: 12, Importance: 0.0135

Binscatter of Event–study Coefficients
Outcome: pull_request_merged (rolling1, t
knowledge_redundancy –> collaboration
problem_hhi –> proj_prob_hhi_pull_reques
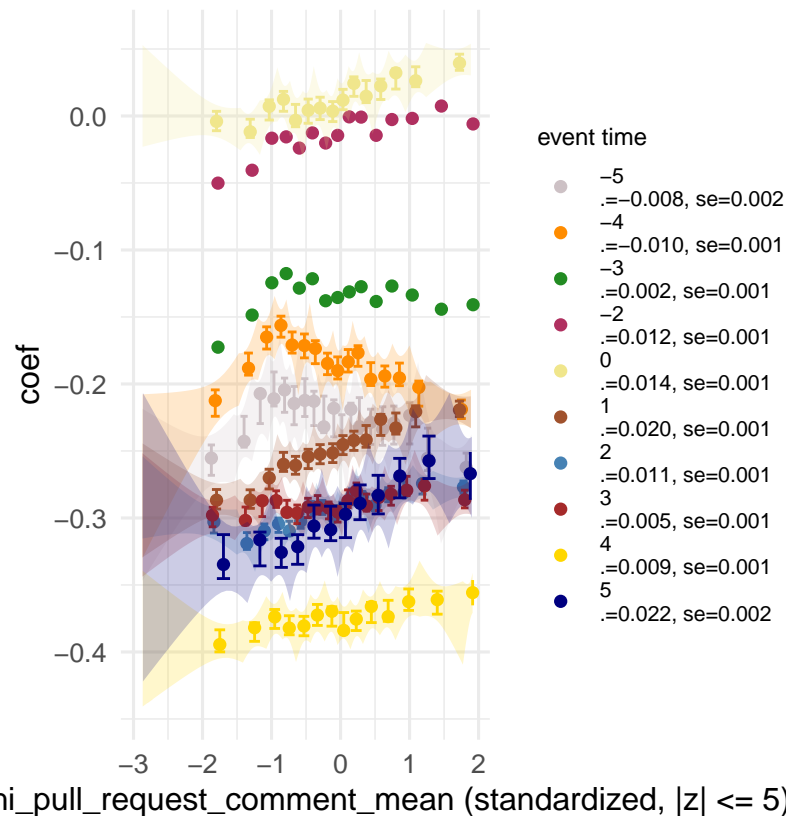Rank: 12, Importance: 0.0196

Binscatter of Event–study Coefficients
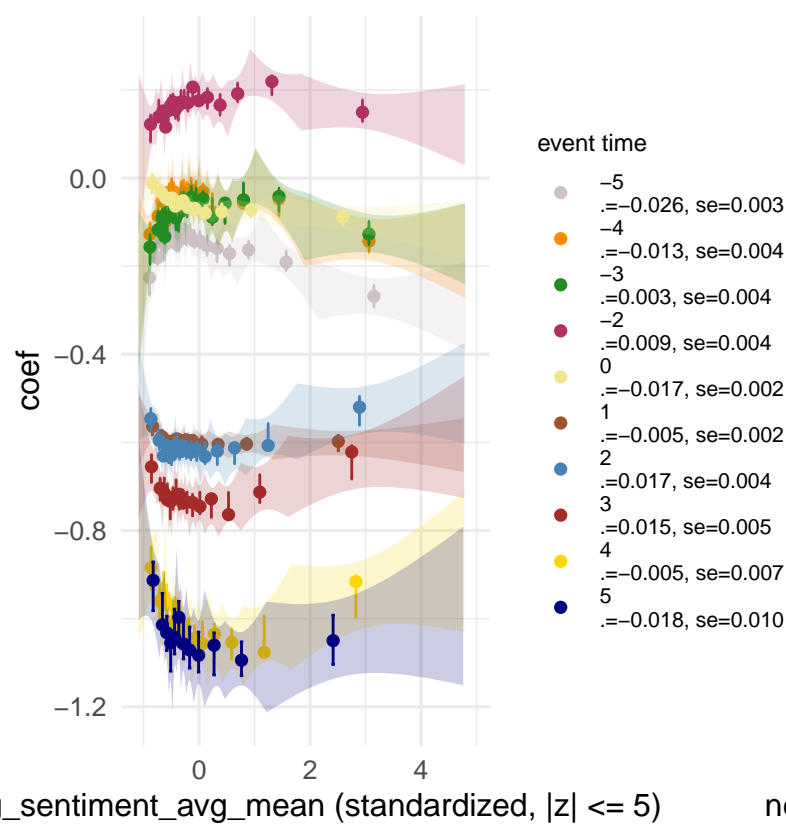Outcome: major_minor_release_count (rolling1, top15)
knowledge_redundancy –> collaboration
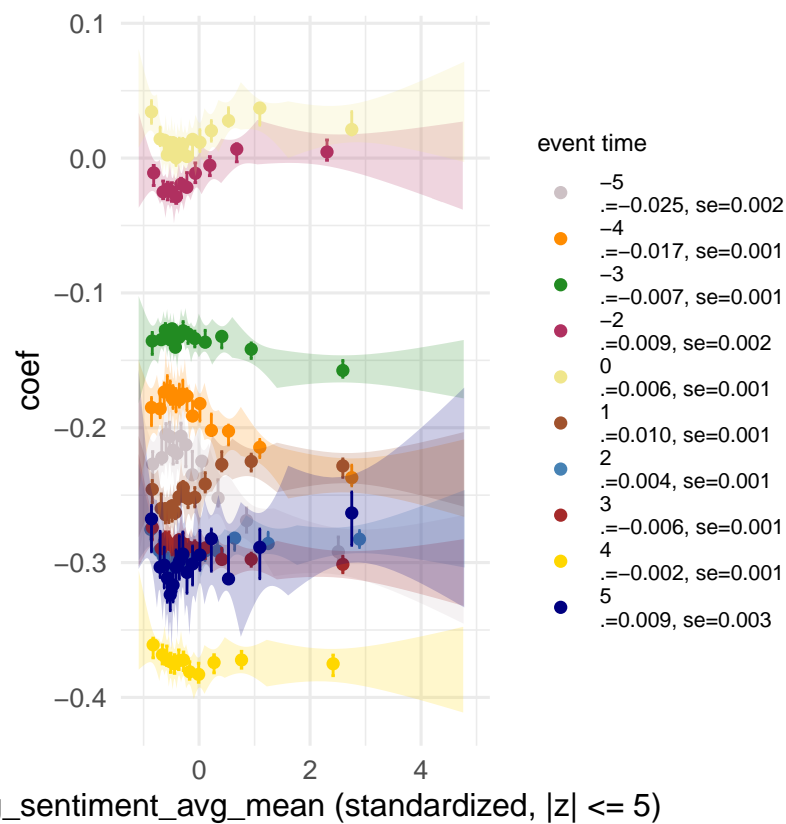problem_hhi –> proj_prob_hhi_pull_request_comment
Rank: 9, Importance: 0.0416

Binscatter of Event–study Coefficients
Outcome: pull_request_opened (rolling1, top15)
talent_investment –> feedback
response_sentiment –> neg_sentiment_avg
Rank: 10, Importance: 0.0247

event time
- −5
  .=−0.026, se=0.003
- −4
  .=−0.013, se=0.004
- −3
  .=0.003, se=0.004
- −2
  .=0.009, se=0.004
- 0
  .=−0.017, se=0.002
- 1
  .=−0.005, se=0.002
- 2
  .=0.017, se=0.004
- 3
  .=0.015, se=0.005
- 4
  .=−0.005, se=0.007
- 5
  .=−0.018, se=0.010

_sentiment_avg_mean (standardized, |z| <= 5)

Binscatter of Event–study Coefficients
Outcome: major_minor_release_count (rol
talent_investment –> feedback
response_sentiment –> neg_sentiment_av
Rank: 14, Importance: 0.0211

event time
- −5
  .=−0.025, se=0.002
- −4
  .=−0.017, se=0.001
- −3
  .=−0.007, se=0.001
- −2
  .=0.009, se=0.002
- 0
  .=0.006, se=0.001
- 1
  .=0.010, se=0.001
- 2
  .=0.004, se=0.001
- 3
  .=−0.006, se=0.001
- 4
  .=−0.002, se=0.001
- 5
  .=0.009, se=0.003

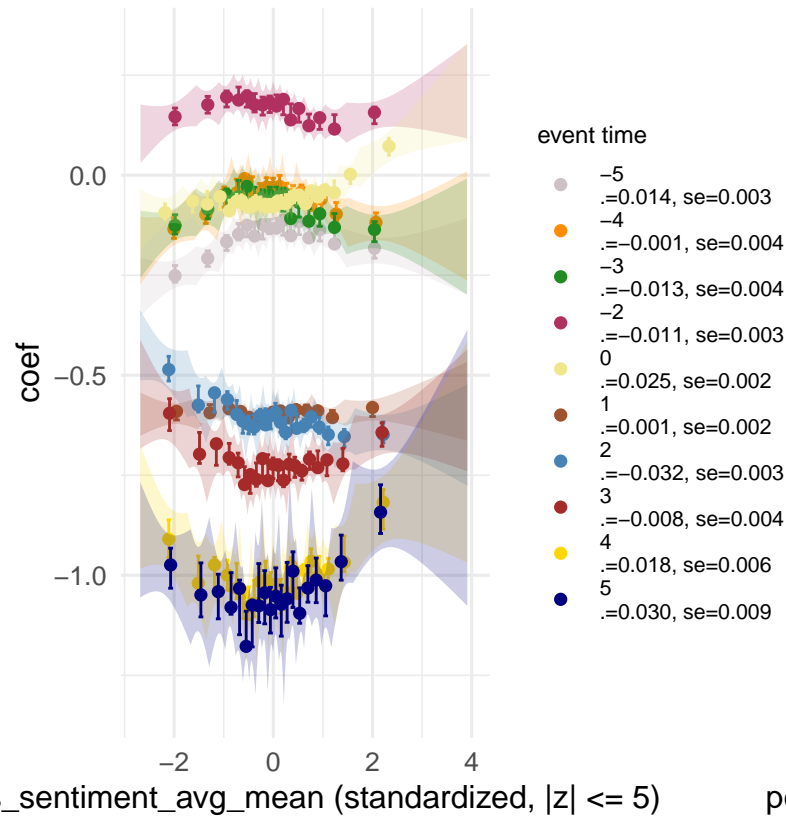neg_sentiment_avg_mean (standardized, |z| <= 5)

Binscatter of Event−study Coefficients
Outcome: pull_request_opened (rolling1, top15)
talent_investment −> feedback
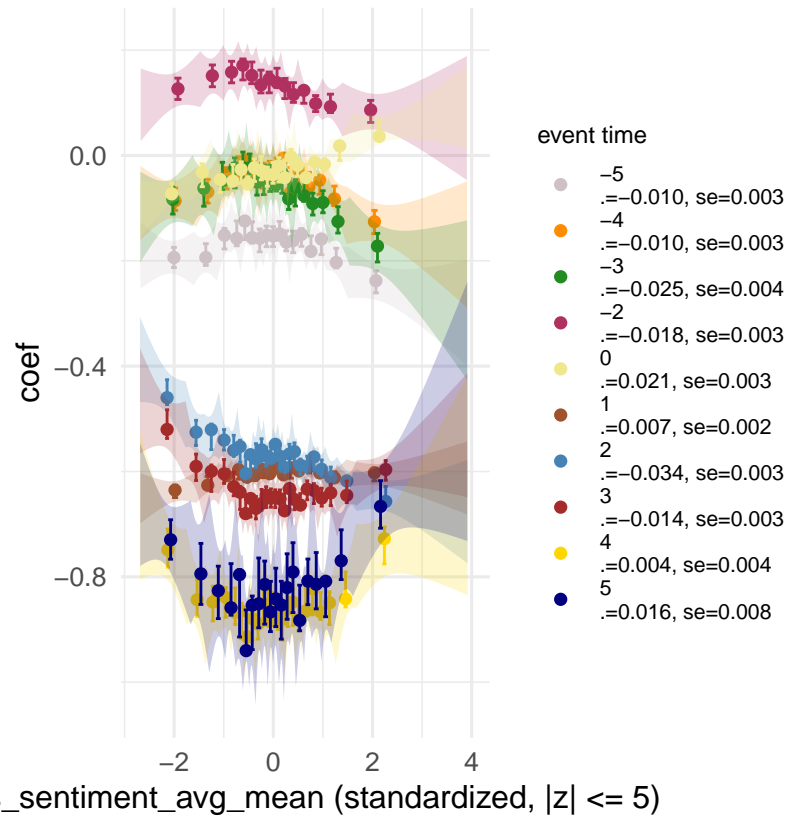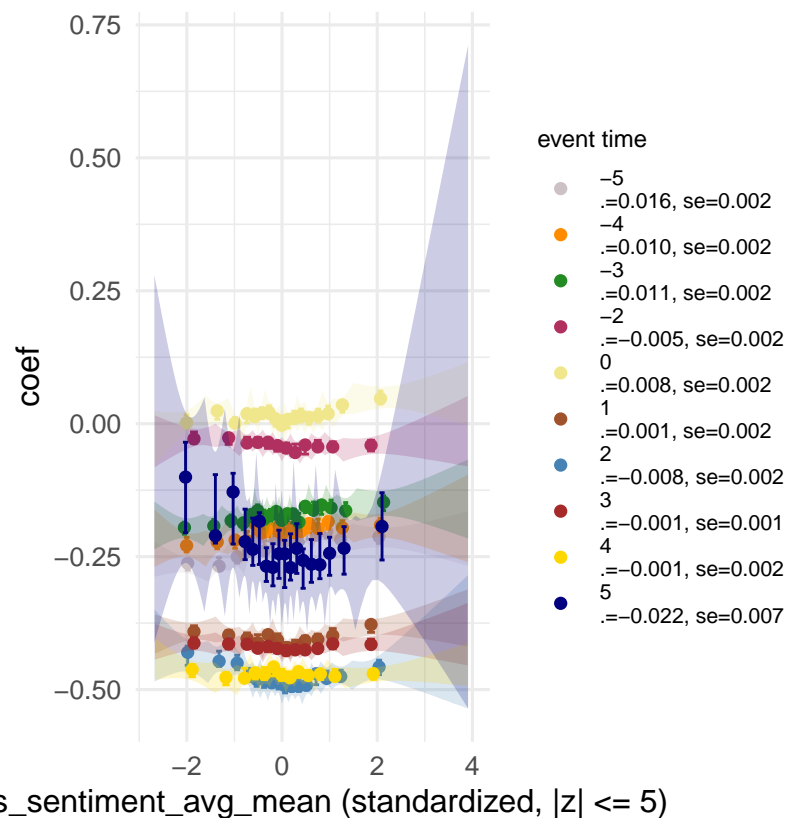response_sentiment −> pos_sentiment_avg
Rank: 11, Importance: 0.0236

event time
−5
.=0.014, se=0.003
−4
.=−0.001, se=0.004
−3
.=−0.013, se=0.004
−2
.=−0.011, se=0.003
0
.=0.025, se=0.002
1
.=0.001, se=0.002
2
.=−0.032, se=0.003
3
.=−0.008, se=0.004
4
.=0.018, se=0.006
5
.=0.030, se=0.009

Binscatter of Event−study Coefficients
Outcome: pull_request_merged (rolling1, t
talent_investment −> feedback
response_sentiment −> pos_sentiment_av
Rank: 10, Importance: 0.0369

event time
−5
.=−0.010, se=0.003
−4
.=−0.010, se=0.003
−3
.=−0.025, se=0.004
−2
.=−0.018, se=0.003
0
.=0.021, se=0.003
1
.=0.007, se=0.002
2
.=−0.034, se=0.003
3
.=−0.014, se=0.003
4
.=0.004, se=0.004
5
.=0.016, se=0.008

Binscatter of Event−study Coefficients
Outcome: overall_new_release_count (rolling1, top15)
talent_investment −> feedback
response_sentiment −> pos_sentiment_avg
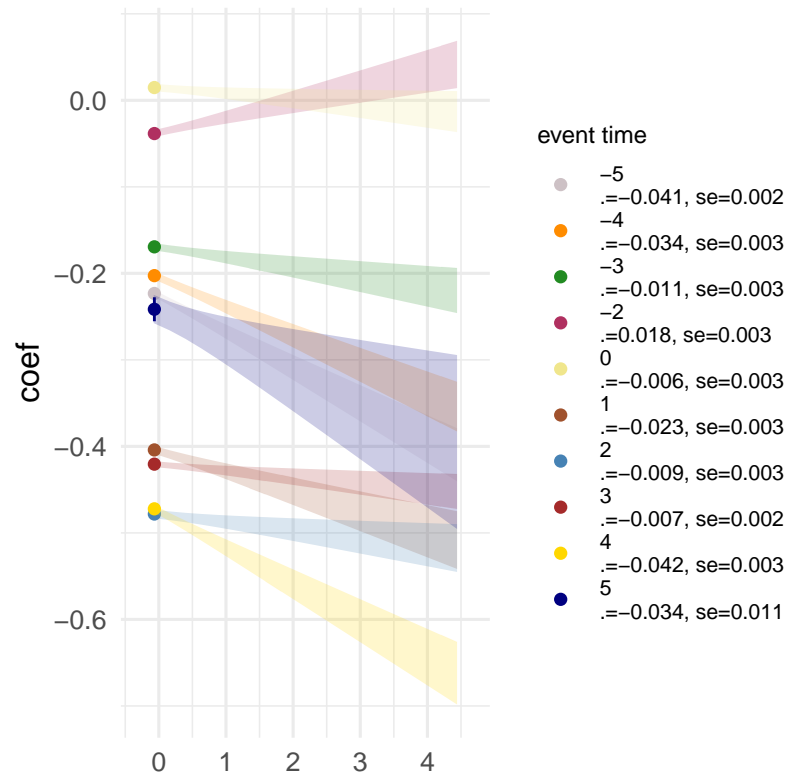Rank: 15, Importance: 0.0121

event time
−5
.=0.016, se=0.002
−4
.=0.010, se=0.002
−3
.=0.011, se=0.002
−2
.=−0.005, se=0.002
0
.=0.008, se=0.002
1
.=0.001, se=0.002
2
.=−0.008, se=0.002
3
.=−0.001, se=0.001
4
.=−0.001, se=0.002
5
.=−0.022, se=0.007

Binscatter of Event−study Coefficients
Outcome: overall_new_release_count (rolling1, to...)
talent_investment −> growth_opportunity
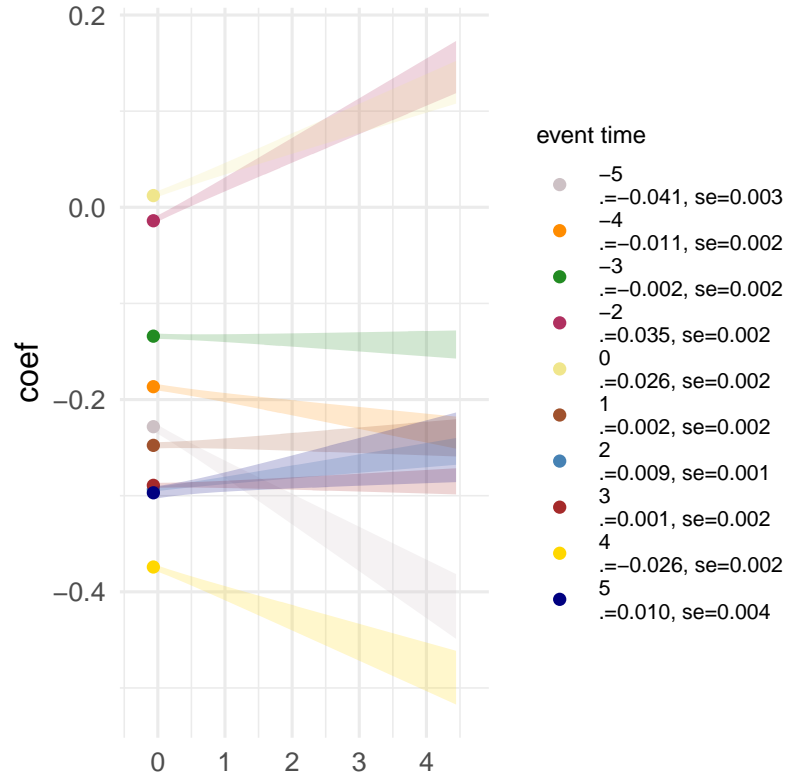merge_review_pr −> any_activity_rate_weighted
Rank: 11, Importance: 0.028

Binscatter of Event−study Coefficients
Outcome: major_minor_release_count (rol...)
talent_investment −> growth_opportunity
merge_review_pr −> any_activity_rate_we...
Rank: 15, Importance: 0.0164

event time
- −5
  .=−0.041, se=0.002
- −4
  .=−0.034, se=0.003
- −3
  .=−0.011, se=0.003
- −2
  .=0.018, se=0.003
- 0
  .=−0.006, se=0.003
- 1
  .=−0.023, se=0.003
- 2
  .=−0.009, se=0.003
- 3
  .=−0.007, se=0.002
- 4
  .=−0.042, se=0.003
- 5
  .=−0.034, se=0.011

event time
- −5
  .=−0.041, se=0.003
- −4
  .=−0.011, se=0.002
- −3
  .=−0.002, se=0.002
- −2
  .=0.035, se=0.002
- 0
  .=0.026, se=0.002
- 1
  .=0.002, se=0.002
- 2
  .=0.009, se=0.001
- 3
  .=0.001, se=0.002
- 4
  .=−0.026, se=0.002
- 5
  .=0.010, se=0.004

tivity_rate_weighted_mean (standardized, |z| <= 5)
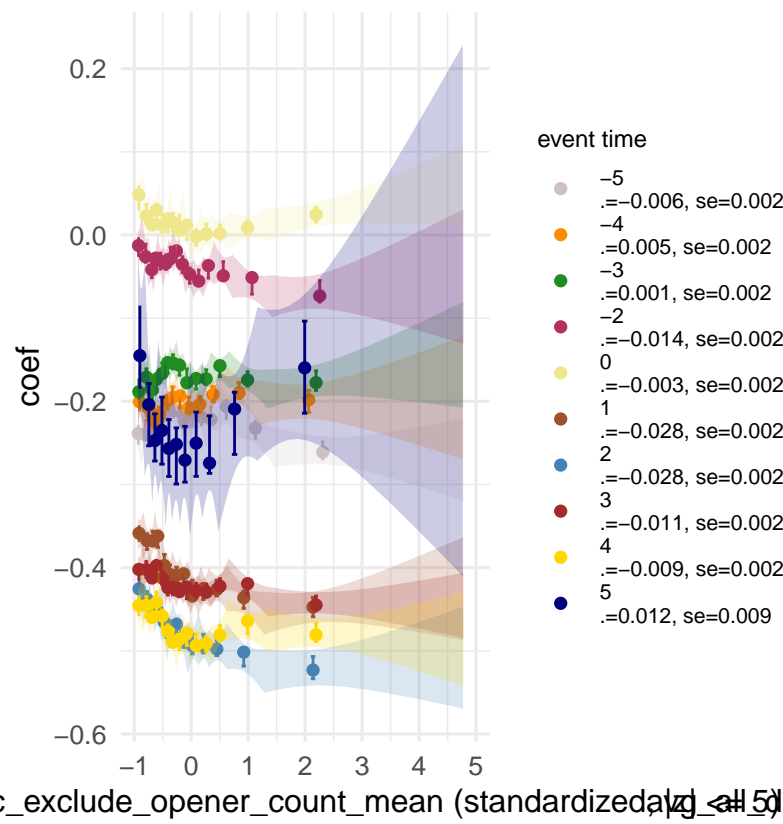any_activity_rate_weighted_mean (standardized, |z| <= 5)

Binscatter of Event–study Coefficients
Outcome: overall_new_release_count (rolling1, top15)
talent_investment –> feedback
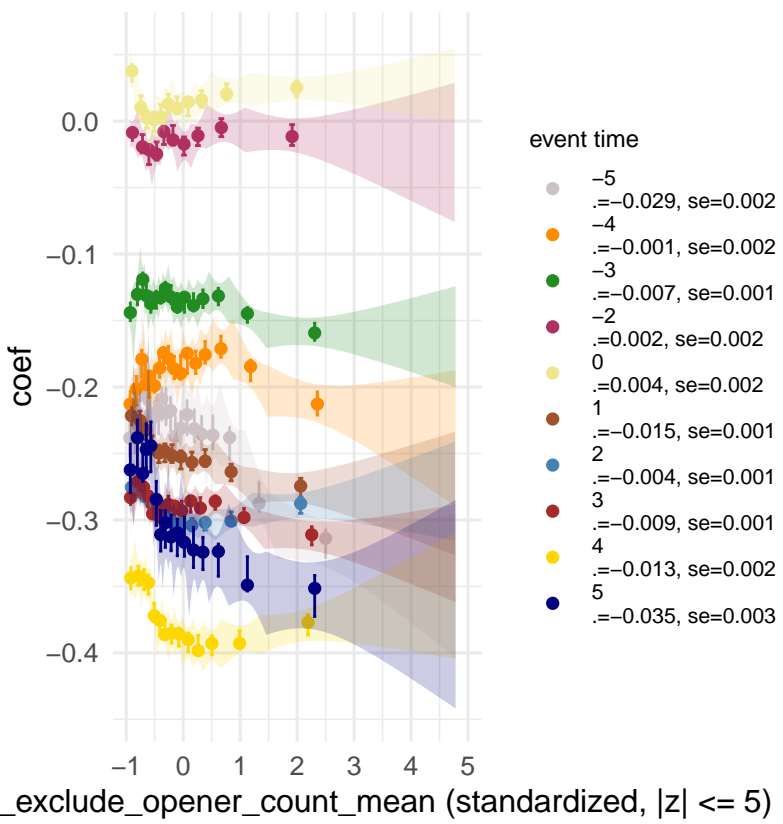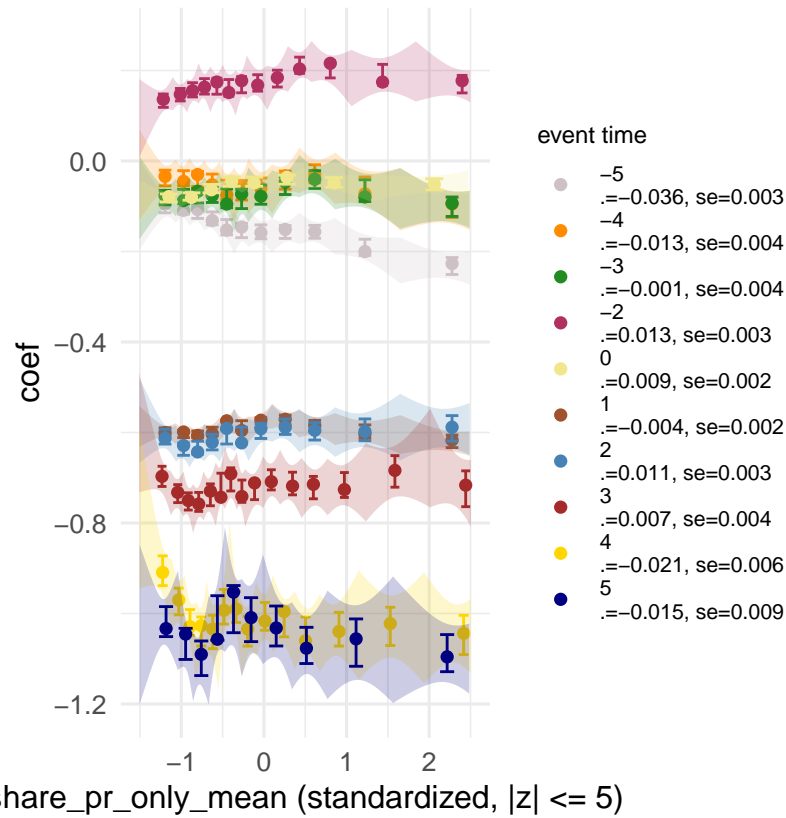feedback_quantity –> avg_all_disc_exclude_opener_count
Rank: 13, Importance: 0.0172

Binscatter of Event–study Coefficients
Outcome: major_minor_release_count (rolling15)
talent_investment –> feedback
feedback_quantity –> avg_all_disc_exclud
Rank: 13, Importance: 0.023

event time

- −5
  .=−0.006, se=0.002
- −4
  .=0.005, se=0.002
- −3
  .=0.001, se=0.002
- −2
  .=−0.014, se=0.002
- 0
  .=−0.003, se=0.002
- 1
  .=−0.028, se=0.002
- 2
  .=−0.028, se=0.002
- 3
  .=−0.011, se=0.002
- 4
  .=−0.009, se=0.002
- 5
  .=0.012, se=0.009

event time

- −5
  .=−0.029, se=0.002
- −4
  .=−0.001, se=0.002
- −3
  .=−0.007, se=0.001
- −2
  .=0.002, se=0.002
- 0
  .=0.004, se=0.002
- 1
  .=−0.015, se=0.001
- 2
  .=−0.004, se=0.001
- 3
  .=−0.009, se=0.001
- 4
  .=−0.013, se=0.002
- 5
  .=−0.035, se=0.003

c_exclude_opener_count_mean (standardized, |z| <= 5)disc_exclude_opener_count_mean (standardized, |z| <= 5)

Binscatter of Event–study Coefficients
Outcome: pull_request_opened (rolling1, top15)
knowledge_redundancy –> broad_expertise
issue_pr_share –> share_pr_only
Rank: 13, Importance: 0.00599

Binscatter of Event–study Coefficients
Outcome: pull_request_merged (rolling1,
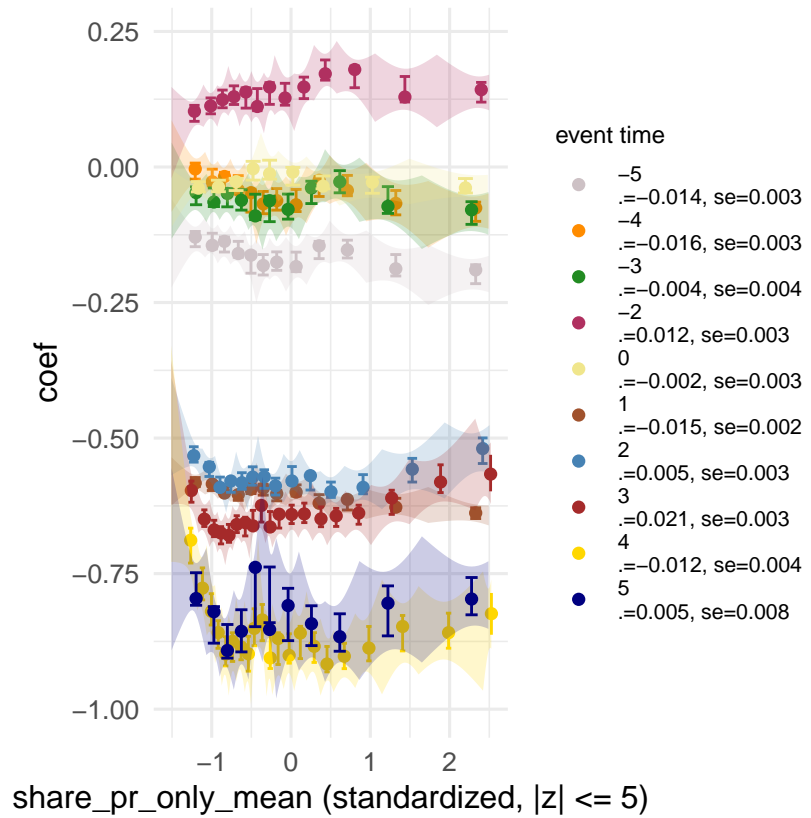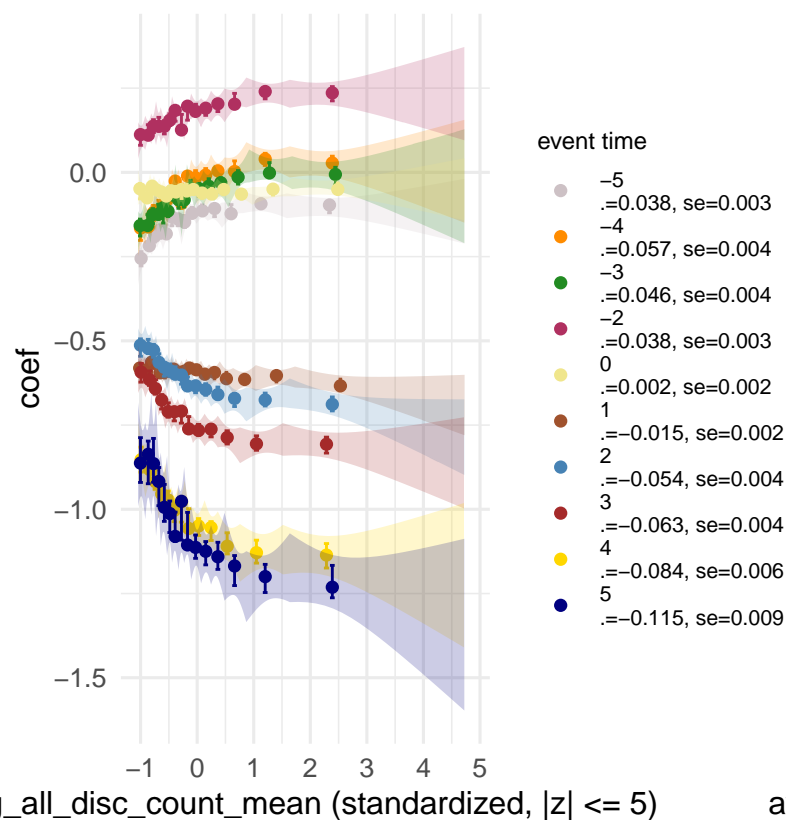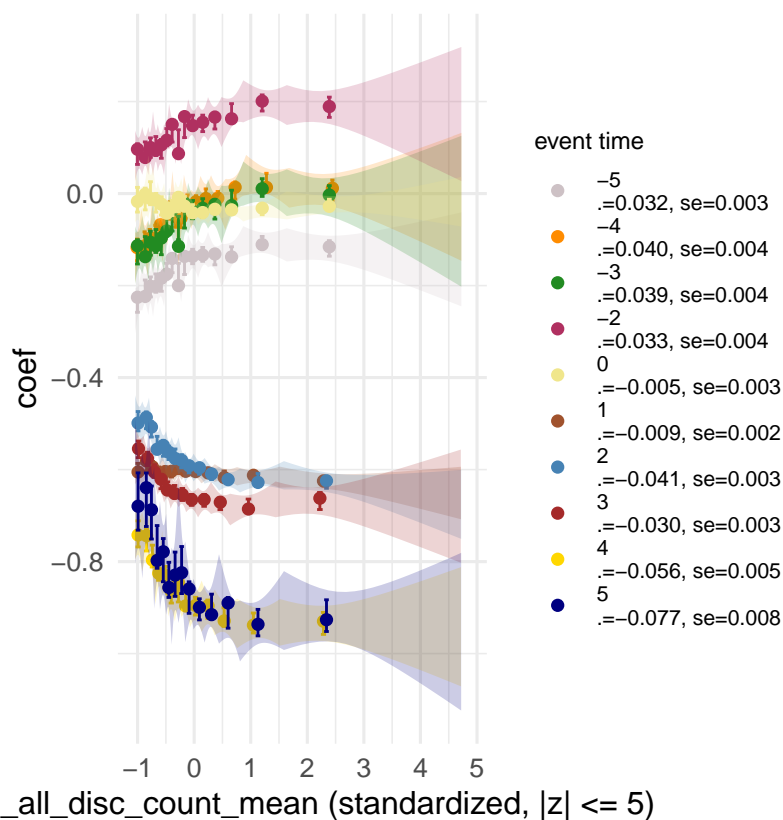knowledge_redundancy –> broad_expert
issue_pr_share –> share_pr_only
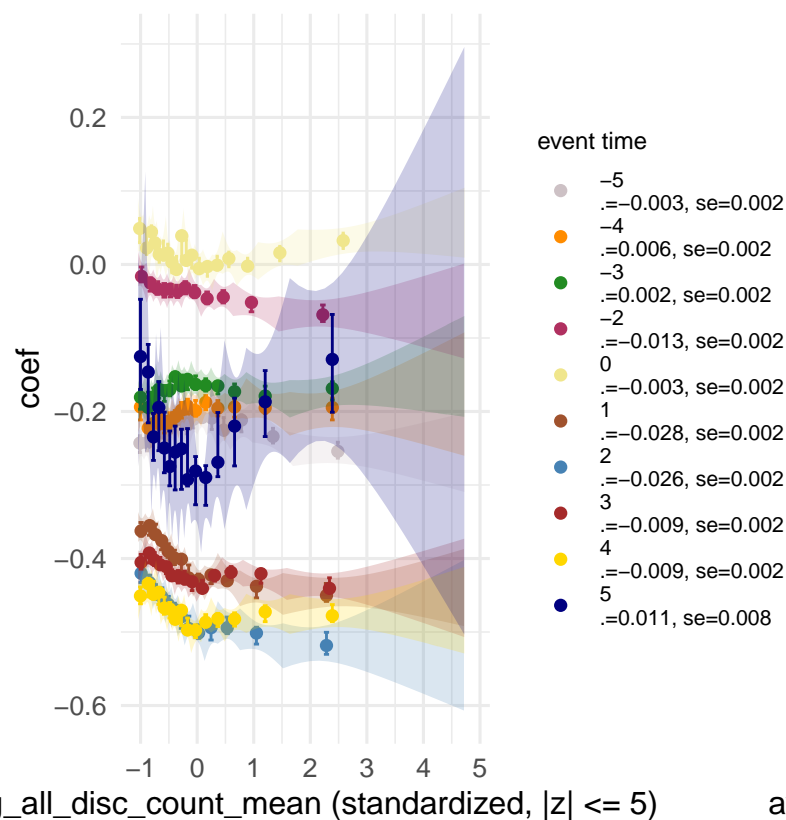Rank: 13, Importance: 0.0125

Binscatter of Event−study Coefficients
Outcome: pull_request_opened (rolling1, top15)
knowledge_redundancy −> supervision
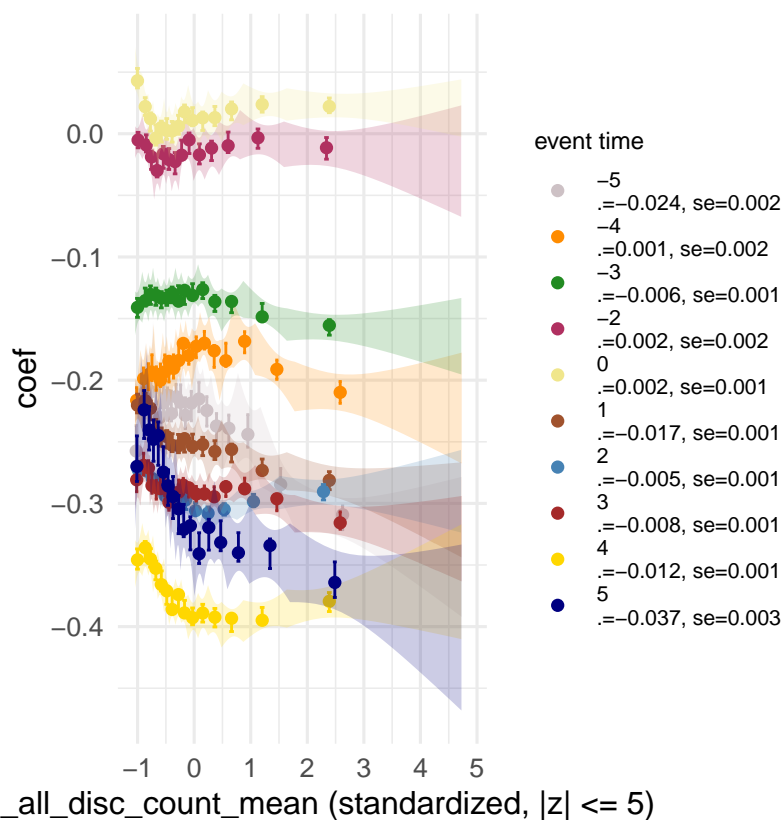discussion_quantity −> avg_all_disc_count
Rank: 15, Importance: 0.00551

event time
−5 .=0.038, se=0.003
−4 .=0.057, se=0.004
−3 .=0.046, se=0.004
−2 .=0.038, se=0.003
0 .=0.002, se=0.002
1 .=−0.015, se=0.002
2 .=−0.054, se=0.004
3 .=−0.063, se=0.004
4 .=−0.084, se=0.006
5 .=−0.115, se=0.009

_all_disc_count_mean (standardized, |z| <= 5)

Binscatter of Event−study Coefficients
Outcome: pull_request_merged (rolling1, t
knowledge_redundancy −> supervision
discussion_quantity −> avg_all_disc_coun
Rank: 15, Importance: 0.0054

event time
−5 .=0.032, se=0.003
−4 .=0.040, se=0.004
−3 .=0.039, se=0.004
−2 .=0.033, se=0.004
0 .=−0.005, se=0.003
1 .=−0.009, se=0.002
2 .=−0.041, se=0.003
3 .=−0.030, se=0.003
4 .=−0.056, se=0.005
5 .=−0.077, se=0.008
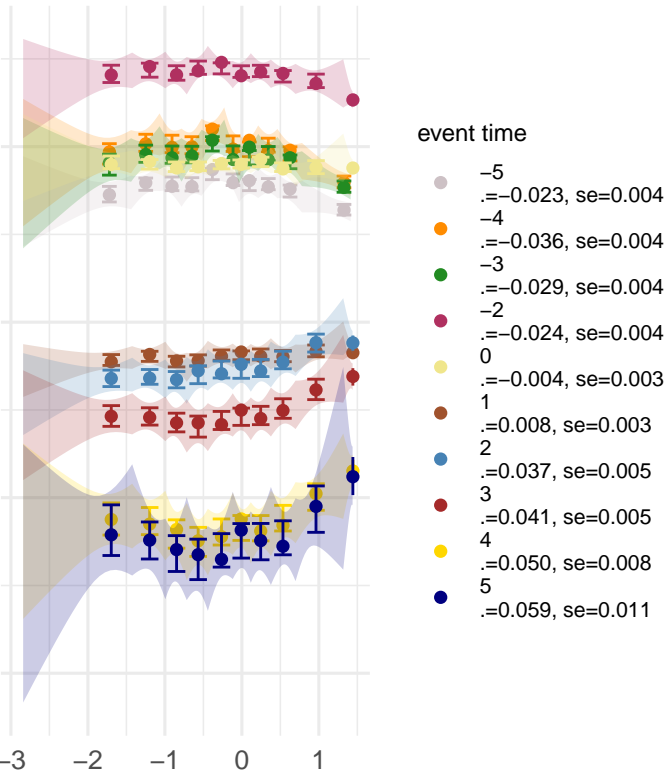
avg_all_disc_count_mean (standardized, |z| <= 5)

Binscatter of Event−study Coefficients
Outcome: overall_new_release_count (rolling1, top15)
knowledge_redundancy −> supervision
discussion_quantity −> avg_all_disc_count
Rank: 14, Importance: 0.0145

event time
−5 .=−0.003, se=0.002
−4 .=0.006, se=0.002
−3 .=0.002, se=0.002
−2 .=−0.013, se=0.002
0 .=−0.003, se=0.002
1 .=−0.028, se=0.002
2 .=−0.026, se=0.002
3 .=−0.009, se=0.002
4 .=−0.009, se=0.002
5 .=0.011, se=0.008

_all_disc_count_mean (standardized, |z| <= 5)

Binscatter of Event−study Coefficients
Outcome: major_minor_release_count (rol
knowledge_redundancy −> supervision
discussion_quantity −> avg_all_disc_coun
Rank: 12, Importance: 0.0238

event time
−5 .=−0.024, se=0.002
−4 .=0.001, se=0.002
−3 .=−0.006, se=0.001
−2 .=0.002, se=0.002
0 .=0.002, se=0.001
1 .=−0.017, se=0.001
2 .=−0.005, se=0.001
3 .=−0.008, se=0.001
4 .=−0.012, se=0.001
5 .=−0.037, se=0.003

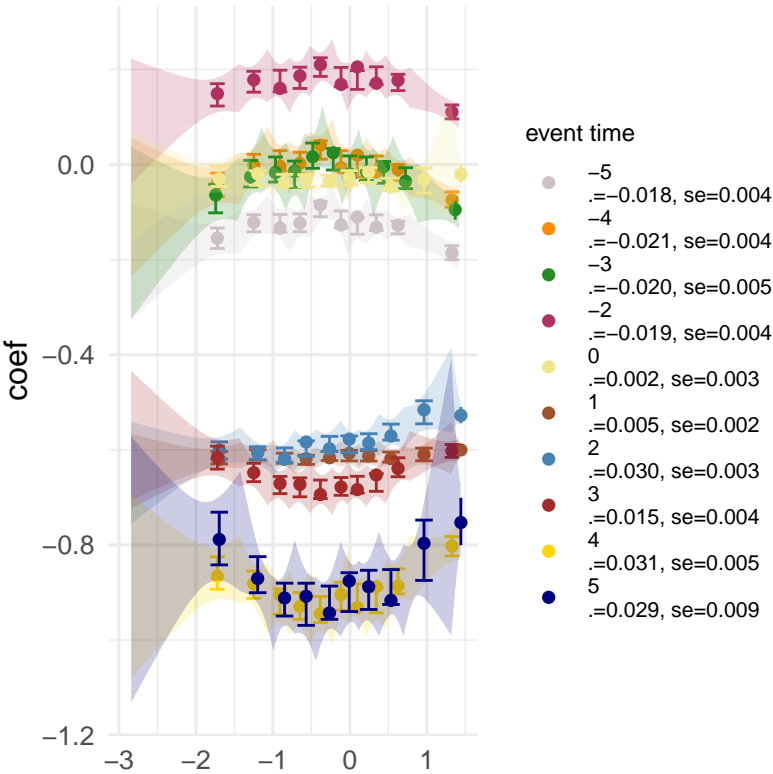avg_all_disc_count_mean (standardized, |z| <= 5)

Binscatter of Event–study Coefficients
Outcome: pull_request_opened (rolling1, top15)
knowledge_redundancy –> collaboration
problem_hhi –> proj_prob_hhi_pull_request_review
Rank: 14, Importance: 0.00558

Binscatter of Event–study Coefficients
Outcome: pull_request_merged (rolling1, t
knowledge_redundancy –> collaboration
problem_hhi –> proj_prob_hhi_pull_reques
Rank: 14, Importance: 0.0094

event time

-5
.=-0.023, se=0.004
-4
.=-0.036, se=0.004
-3
.=-0.029, se=0.004
-2
.=-0.024, se=0.004
0
.=-0.004, se=0.003
1
.=0.008, se=0.003
2
.=0.037, se=0.005
3
.=0.041, se=0.005
4
.=0.050, se=0.008
5
.=0.059, se=0.011

event time

-5
.=-0.018, se=0.004
-4
.=-0.021, se=0.004
-3
.=-0.020, se=0.005
-2
.=-0.019, se=0.004
0
.=0.002, se=0.003
1
.=0.005, se=0.002
2
.=0.030, se=0.003
3
.=0.015, se=0.004
4
.=0.031, se=0.005
5
.=0.029, se=0.009

hhi_pull_request_review_mean (standardized, |z| <= 5)
prob_hhi_pull_request_review_mean (standardized, |z| <= 5)