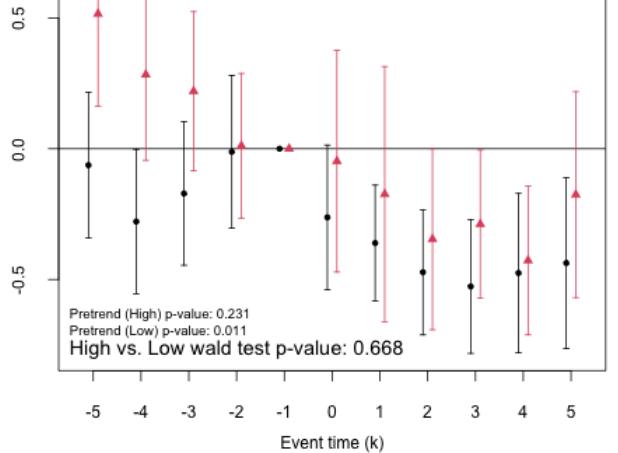


### major\_minor\_release\_count rolling5

Sample: num-qualified=1

knowledge\_redundancy -> broad\_expertise  
activity\_diversity\_count -> avg\_unique\_types

● High ▲ Low

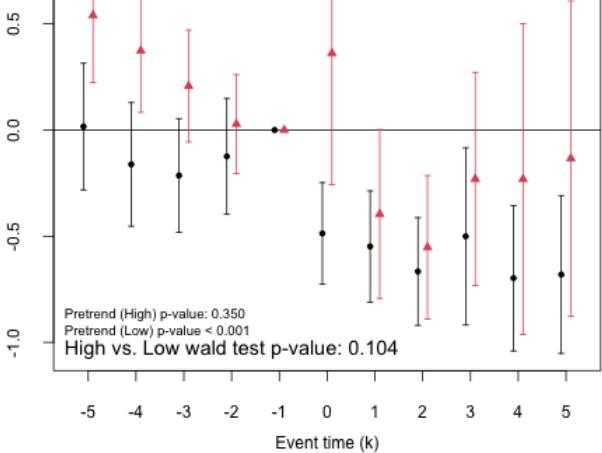


### overall\_new\_release\_count rolling5

Sample: num-qualified=1

knowledge\_redundancy -> broad\_expertise  
activity\_diversity\_count -> avg\_unique\_types

● High ▲ Low

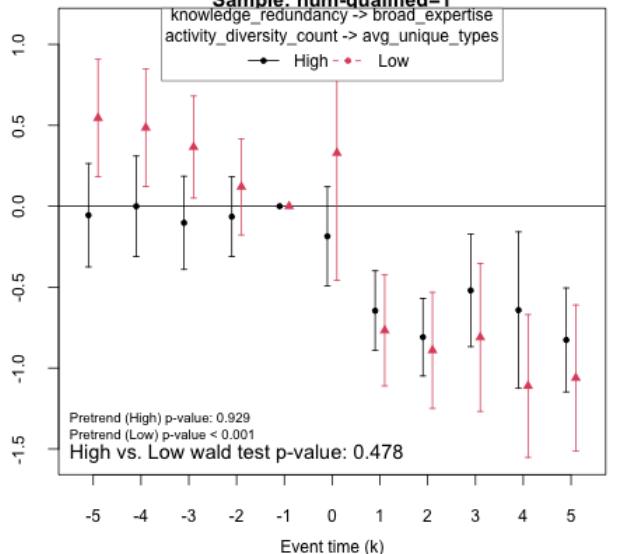


### pull\_request\_merged rolling5

Sample: num-qualified=1

knowledge\_redundancy -> broad\_expertise  
activity\_diversity\_count -> avg\_unique\_types

● High ▲ Low

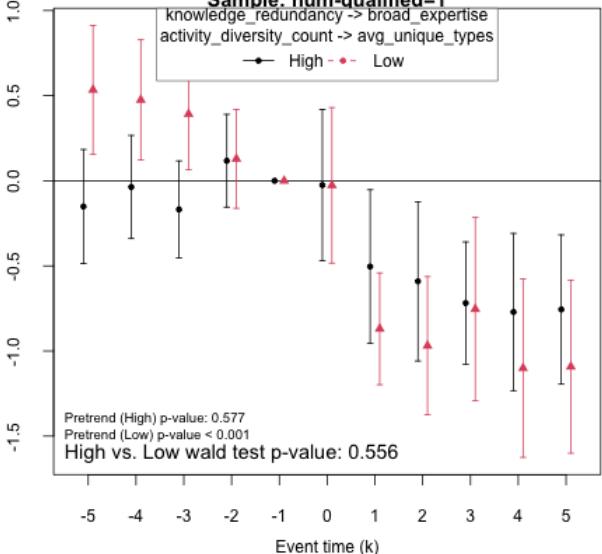


### pull\_request\_opened rolling5

Sample: num-qualified=1

knowledge\_redundancy -> broad\_expertise  
activity\_diversity\_count -> avg\_unique\_types

● High ▲ Low

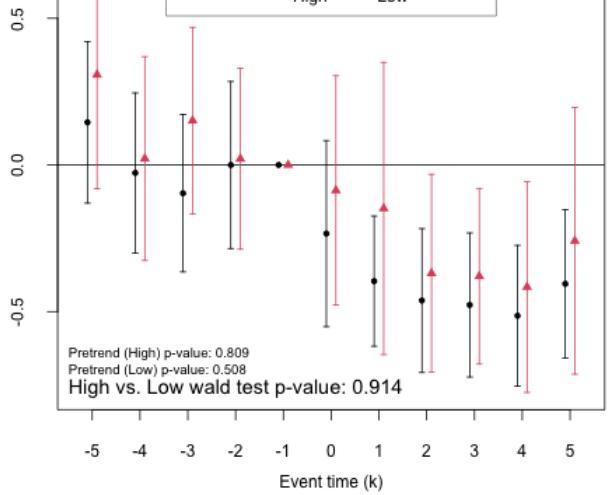


### major\_minor\_release\_count rolling5

Sample: num-qualified=1

knowledge\_redundancy -> broad\_expertise  
discussion\_content -> cos\_sim\_diff\_actor

● High ▲ Low

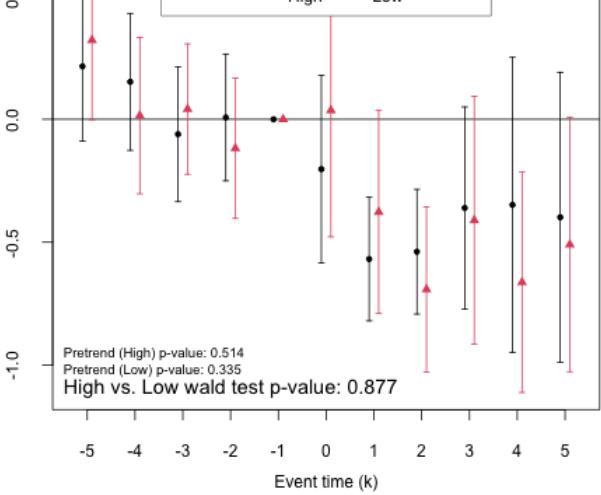


### overall\_new\_release\_count rolling5

Sample: num-qualified=1

knowledge\_redundancy -> broad\_expertise  
discussion\_content -> cos\_sim\_diff\_actor

● High ▲ Low

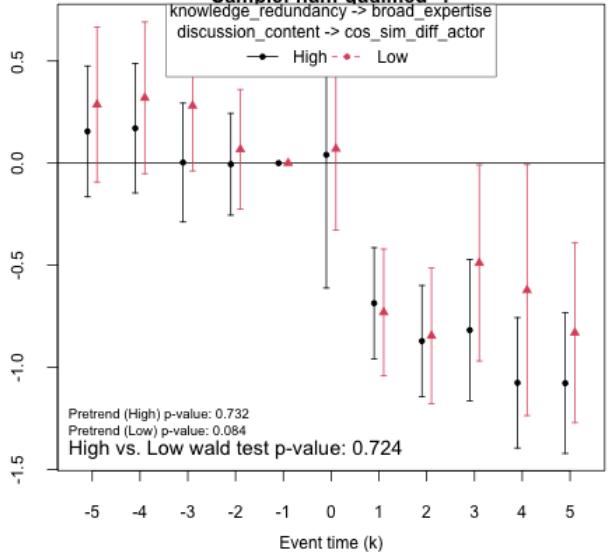


### pull\_request\_merged rolling5

Sample: num-qualified=1

knowledge\_redundancy -> broad\_expertise  
discussion\_content -> cos\_sim\_diff\_actor

● High ▲ Low

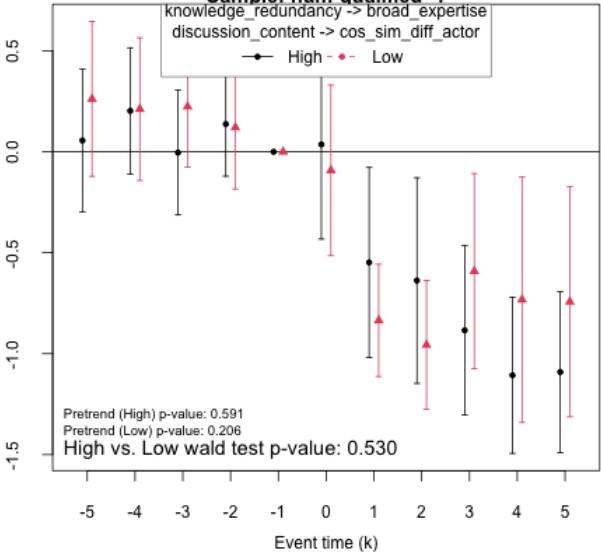


### pull\_request\_opened rolling5

Sample: num-qualified=1

knowledge\_redundancy -> broad\_expertise  
discussion\_content -> cos\_sim\_diff\_actor

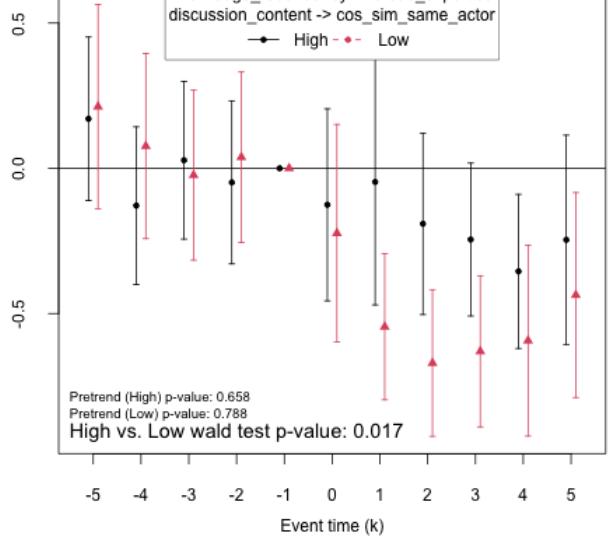
● High ▲ Low



### major\_minor\_release\_count rolling5

Sample: num-qualified=1

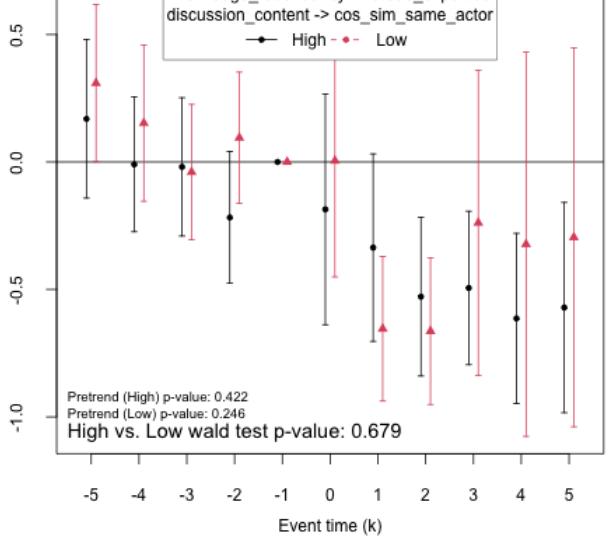
knowledge\_redundancy -> broad\_expertise  
discussion\_content -> cos\_sim\_same\_actor  
● High ▲ Low



### overall\_new\_release\_count rolling5

Sample: num-qualified=1

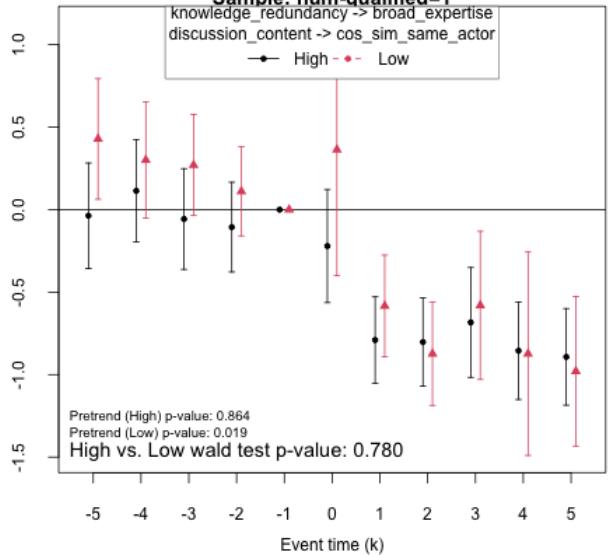
knowledge\_redundancy -> broad\_expertise  
discussion\_content -> cos\_sim\_same\_actor  
● High ▲ Low



### pull\_request\_merged rolling5

Sample: num-qualified=1

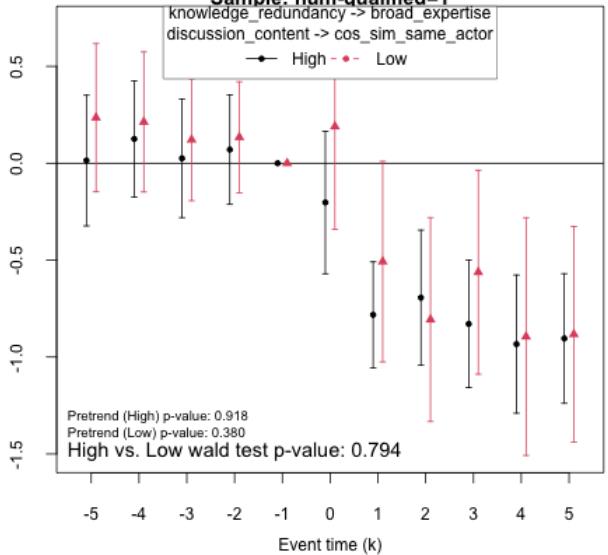
knowledge\_redundancy -> broad\_expertise  
discussion\_content -> cos\_sim\_same\_actor  
● High ▲ Low



### pull\_request\_opened rolling5

Sample: num-qualified=1

knowledge\_redundancy -> broad\_expertise  
discussion\_content -> cos\_sim\_same\_actor  
● High ▲ Low

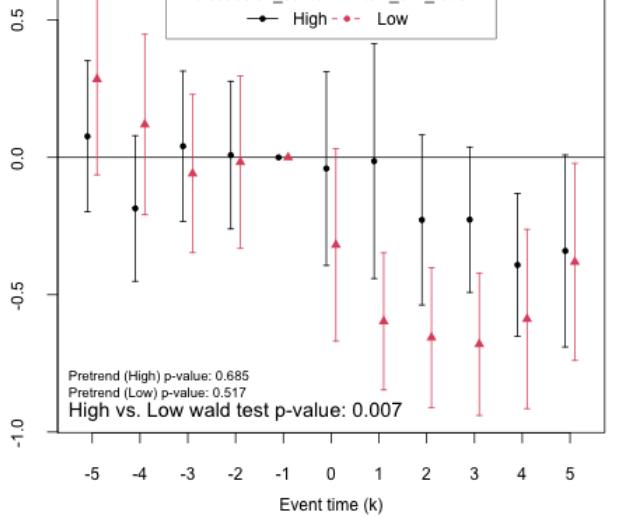


### major\_minor\_release\_count rolling5

Sample: num-qualified=1

knowledge\_redundancy -> broad\_expertise  
 discussion\_content -> text\_sim\_ratio

● High ▲ Low

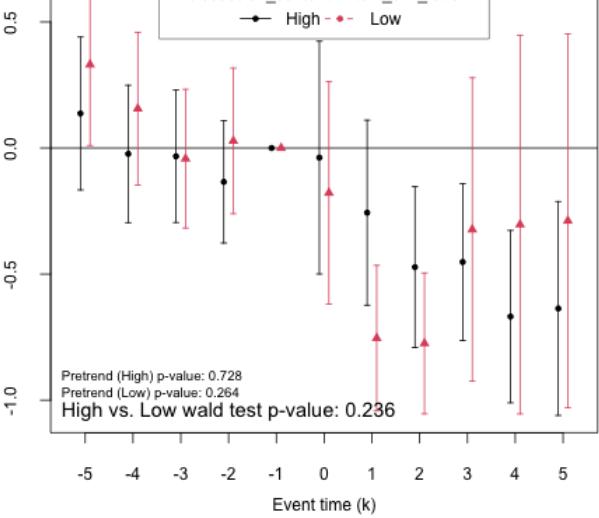


### overall\_new\_release\_count rolling5

Sample: num-qualified=1

knowledge\_redundancy -> broad\_expertise  
 discussion\_content -> text\_sim\_ratio

● High ▲ Low

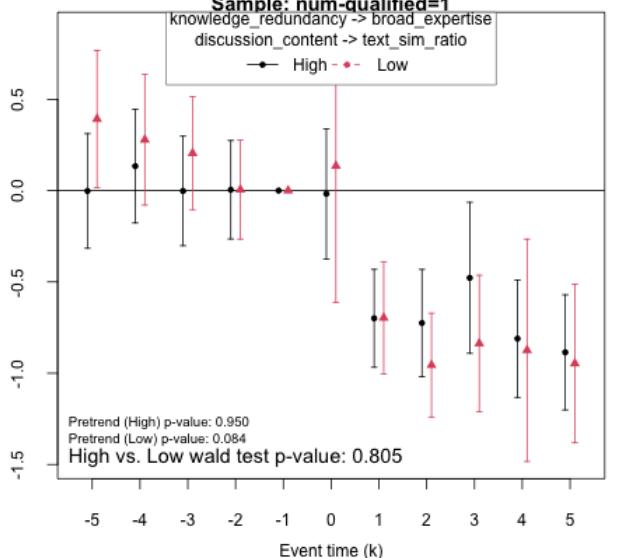


### pull\_request\_merged rolling5

Sample: num-qualified=1

knowledge\_redundancy -> broad\_expertise  
 discussion\_content -> text\_sim\_ratio

● High ▲ Low

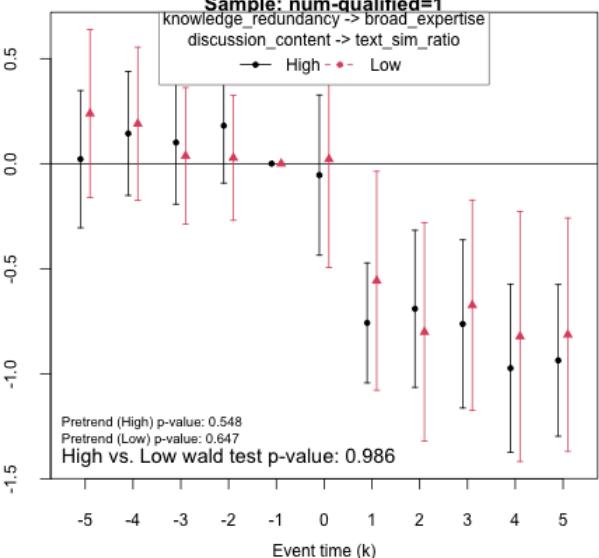


### pull\_request\_opened rolling5

Sample: num-qualified=1

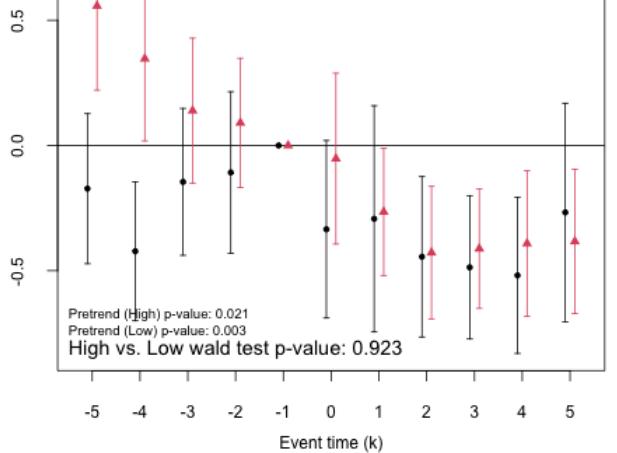
knowledge\_redundancy -> broad\_expertise  
 discussion\_content -> text\_sim\_ratio

● High ▲ Low

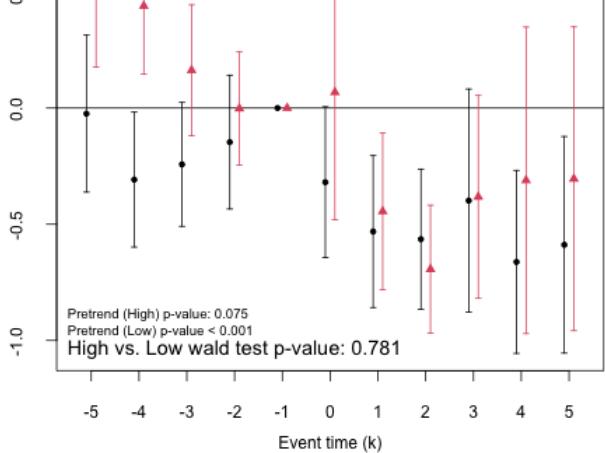


**major\_minor\_release\_count rolling5****Sample: num-qualified=1**

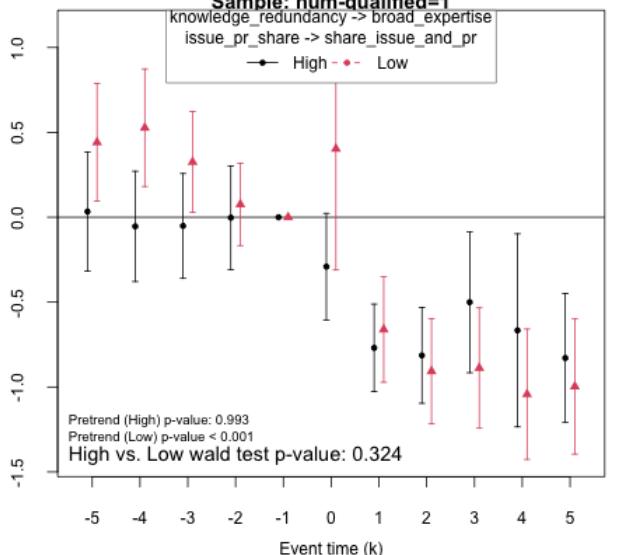
knowledge\_redundancy -> broad\_expertise  
 issue\_pr\_share -> share\_issue\_and\_pr  
 ● High ▲ Low

**overall\_new\_release\_count rolling5****Sample: num-qualified=1**

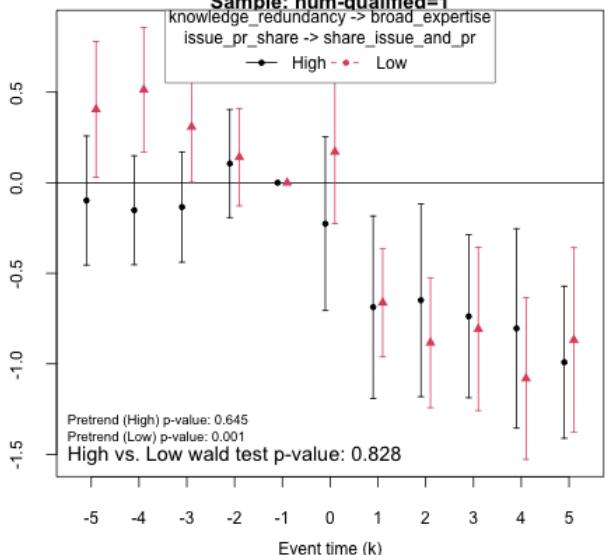
knowledge\_redundancy -> broad\_expertise  
 issue\_pr\_share -> share\_issue\_and\_pr  
 ● High ▲ Low

**pull\_request\_merged rolling5****Sample: num-qualified=1**

knowledge\_redundancy -> broad\_expertise  
 issue\_pr\_share -> share\_issue\_and\_pr  
 ● High ▲ Low

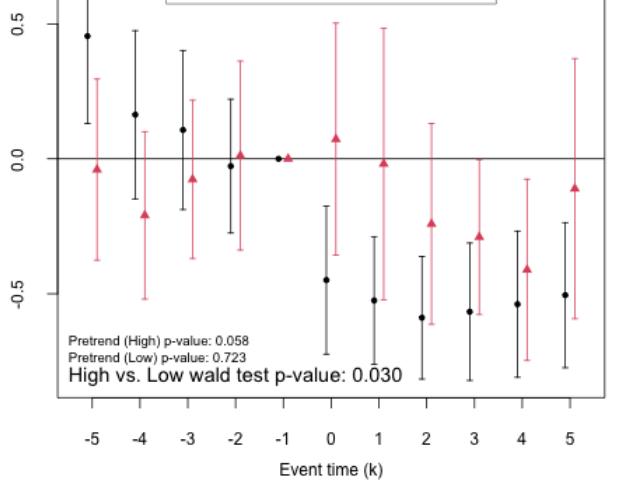
**pull\_request\_opened rolling5****Sample: num-qualified=1**

knowledge\_redundancy -> broad\_expertise  
 issue\_pr\_share -> share\_issue\_and\_pr  
 ● High ▲ Low

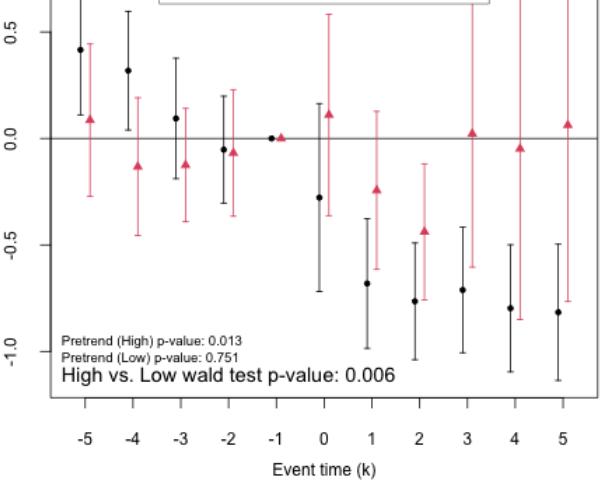


**major\_minor\_release\_count rolling5****Sample: num-qualified=1**

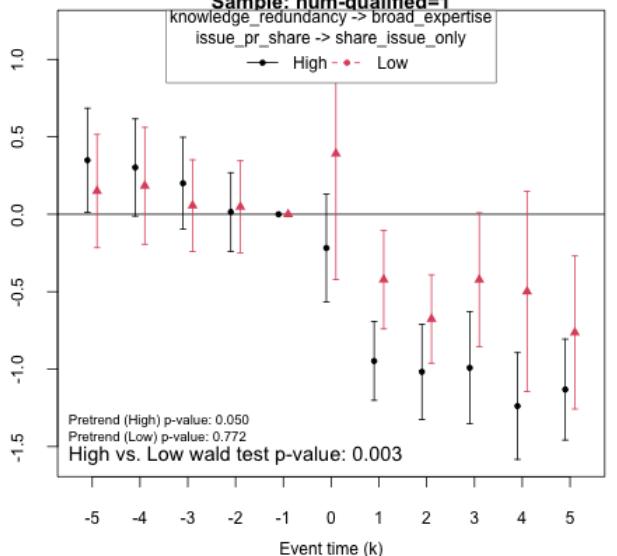
knowledge\_redundancy -> broad\_expertise  
 issue\_pr\_share -> share\_issue\_only  
 ● High ▲ Low

**overall\_new\_release\_count rolling5****Sample: num-qualified=1**

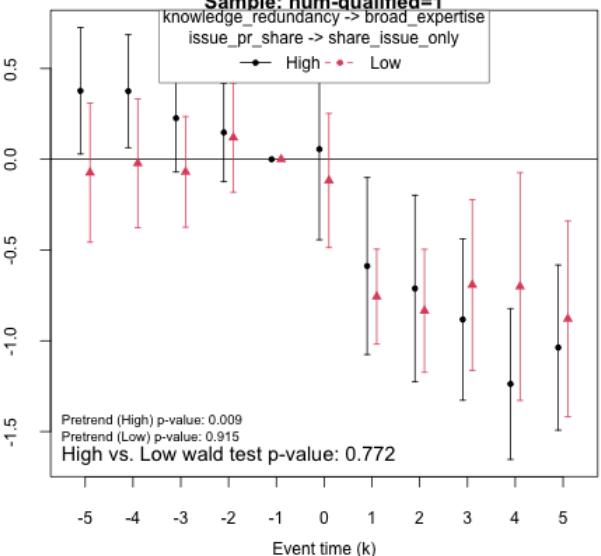
knowledge\_redundancy -> broad\_expertise  
 issue\_pr\_share -> share\_issue\_only  
 ● High ▲ Low

**pull\_request\_merged rolling5****Sample: num-qualified=1**

knowledge\_redundancy -> broad\_expertise  
 issue\_pr\_share -> share\_issue\_only  
 ● High ▲ Low

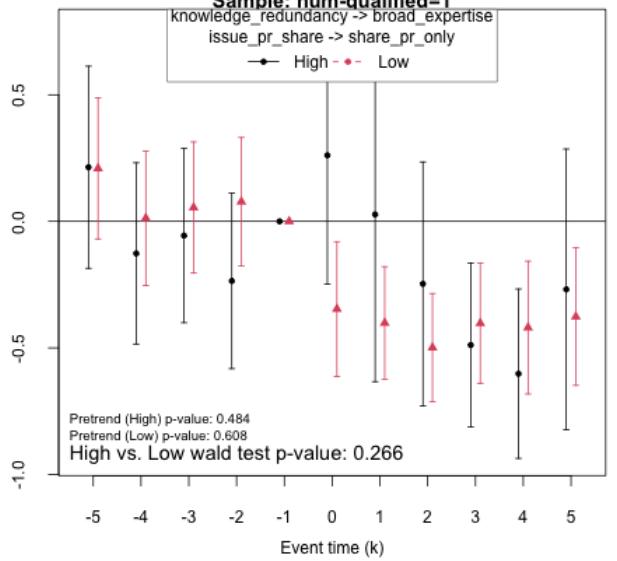
**pull\_request\_opened rolling5****Sample: num-qualified=1**

knowledge\_redundancy -> broad\_expertise  
 issue\_pr\_share -> share\_issue\_only  
 ● High ▲ Low



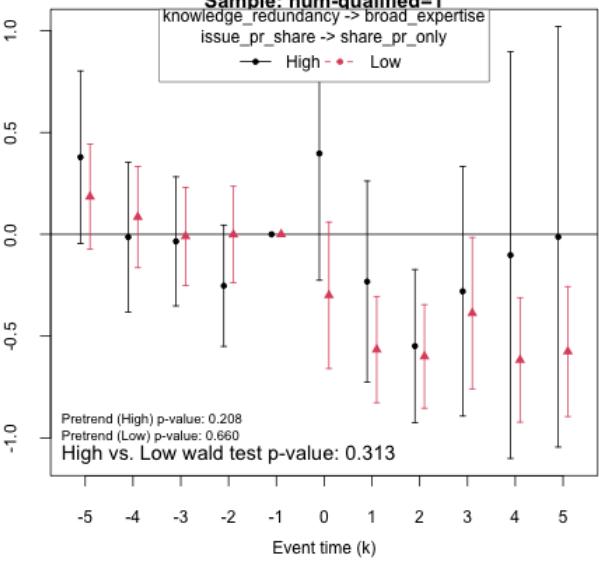
### major\_minor\_release\_count rolling5

Sample: num-qualified=1



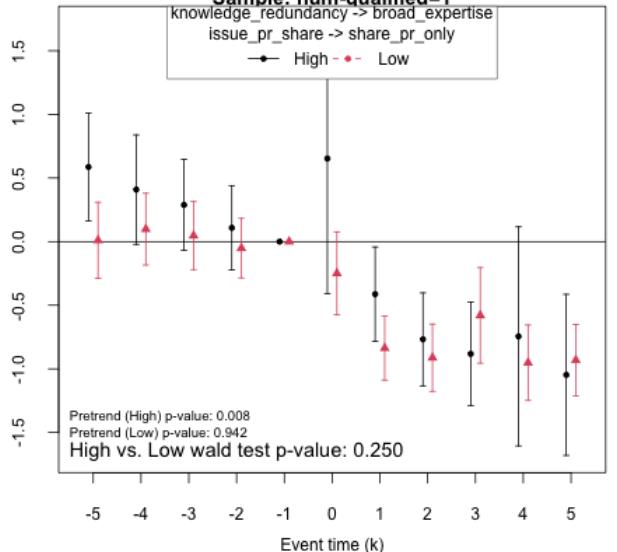
### overall\_new\_release\_count rolling5

Sample: num-qualified=1



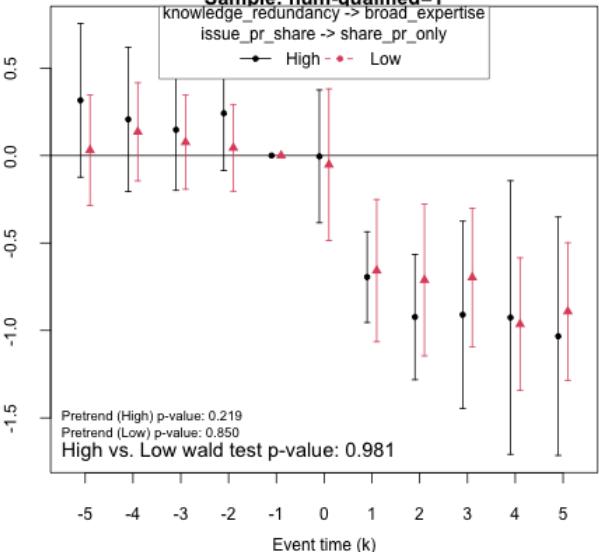
### pull\_request\_merged rolling5

Sample: num-qualified=1



### pull\_request\_opened rolling5

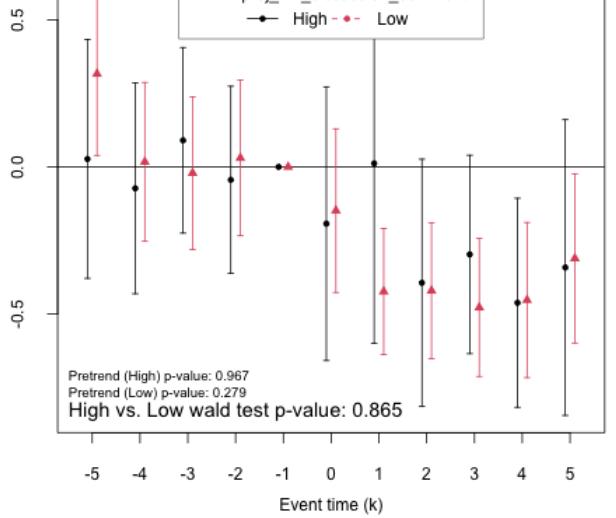
Sample: num-qualified=1



**major\_minor\_release\_count rolling5**

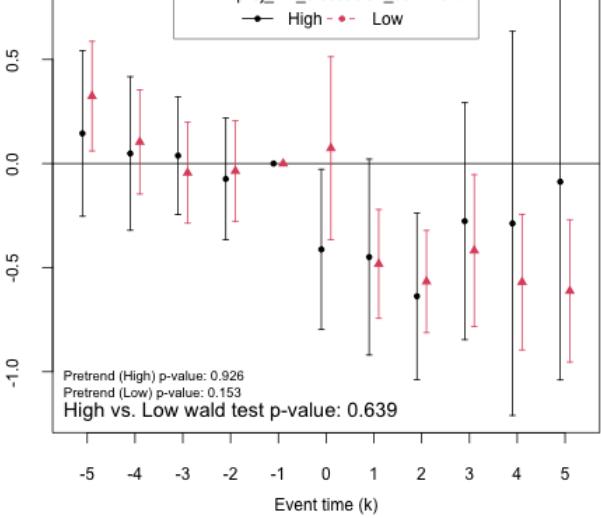
Sample: num-qualified=1

knowledge\_redundancy  $\rightarrow$  collaboration  
 $hh_i \rightarrow proj\_hh_i\_discussion\_comment$   
● High ● Low

**overall\_new\_release\_count rolling5**

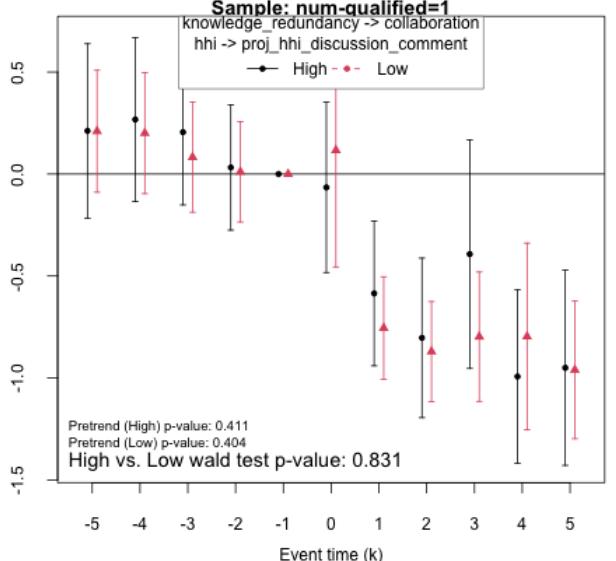
Sample: num-qualified=1

knowledge\_redundancy  $\rightarrow$  collaboration  
 $hh_i \rightarrow proj\_hh_i\_discussion\_comment$   
● High ● Low

**pull\_request\_merged rolling5**

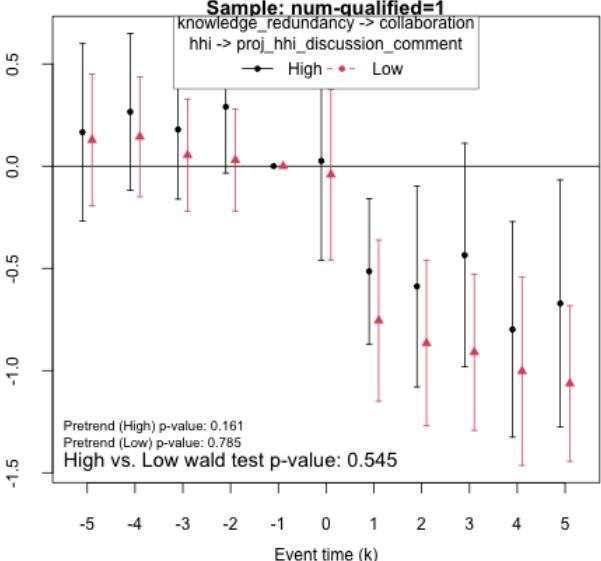
Sample: num-qualified=1

knowledge\_redundancy  $\rightarrow$  collaboration  
 $hh_i \rightarrow proj\_hh_i\_discussion\_comment$   
● High ● Low

**pull\_request\_opened rolling5**

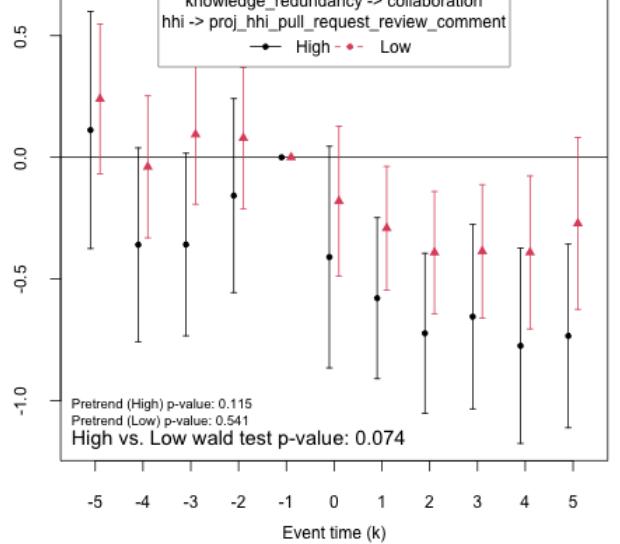
Sample: num-qualified=1

knowledge\_redundancy  $\rightarrow$  collaboration  
 $hh_i \rightarrow proj\_hh_i\_discussion\_comment$   
● High ● Low



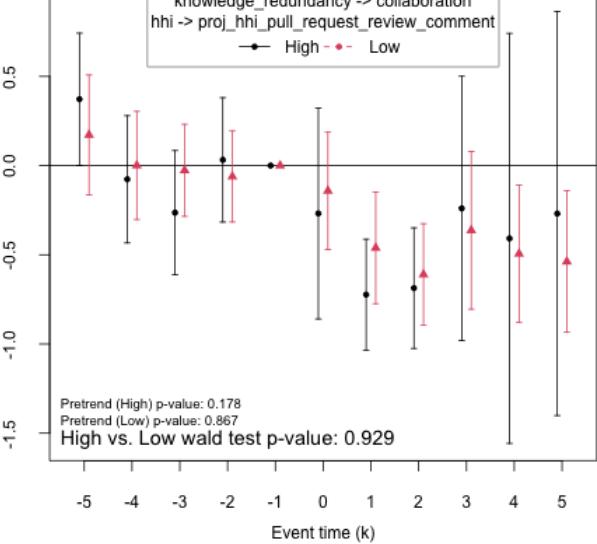
### major\_minor\_release\_count rolling5

knowledge\_redundancy -> collaboration  
hh1 -> proj\_hhi\_pull\_request\_review\_comment  
● High ▲ Low



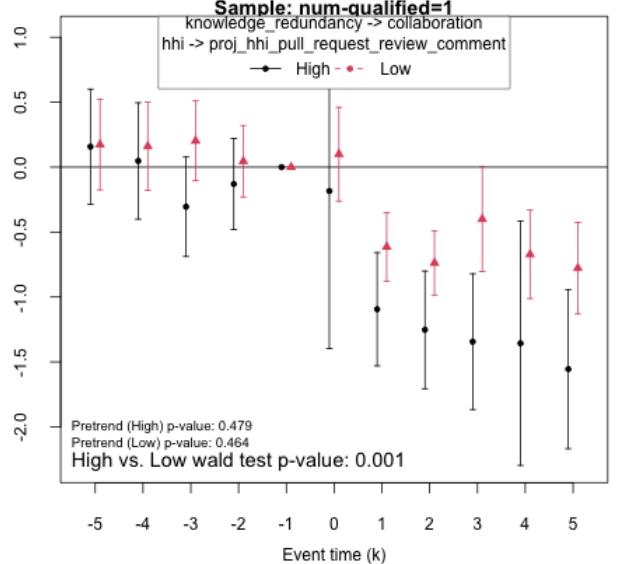
### overall\_new\_release\_count rolling5

knowledge\_redundancy -> collaboration  
hh1 -> proj\_hhi\_pull\_request\_review\_comment  
● High ▲ Low



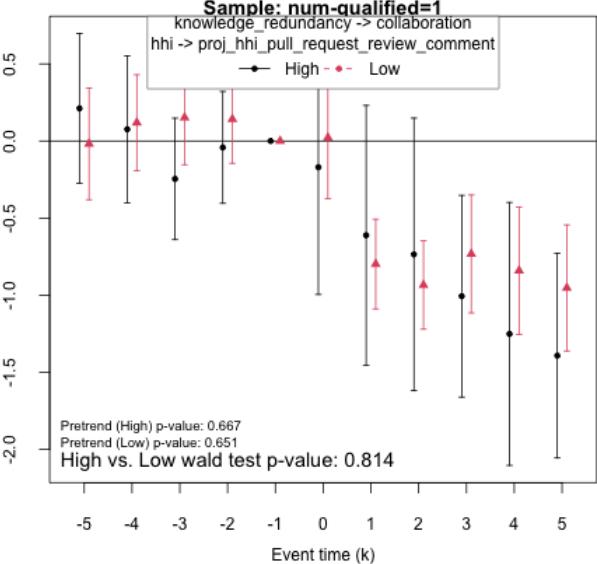
### pull\_request\_merged rolling5

knowledge\_redundancy -> collaboration  
hh1 -> proj\_hhi\_pull\_request\_review\_comment  
● High ▲ Low



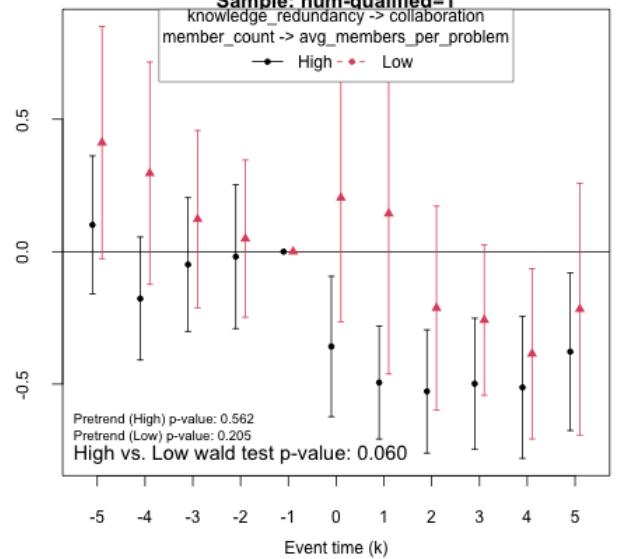
### pull\_request\_opened rolling5

knowledge\_redundancy -> collaboration  
hh1 -> proj\_hhi\_pull\_request\_review\_comment  
● High ▲ Low

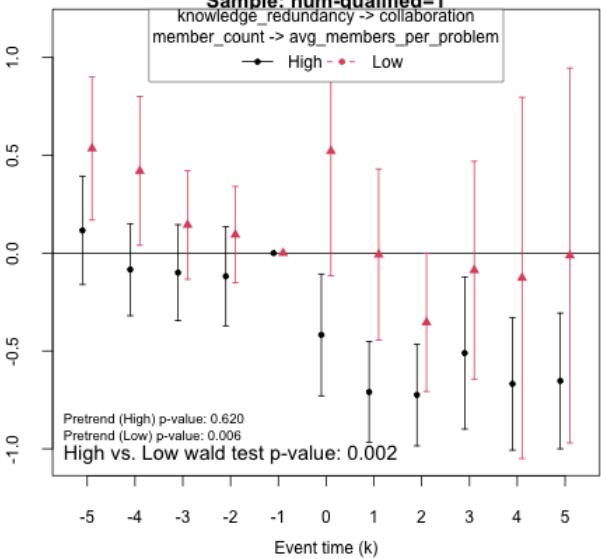


**major\_minor\_release\_count rolling5**

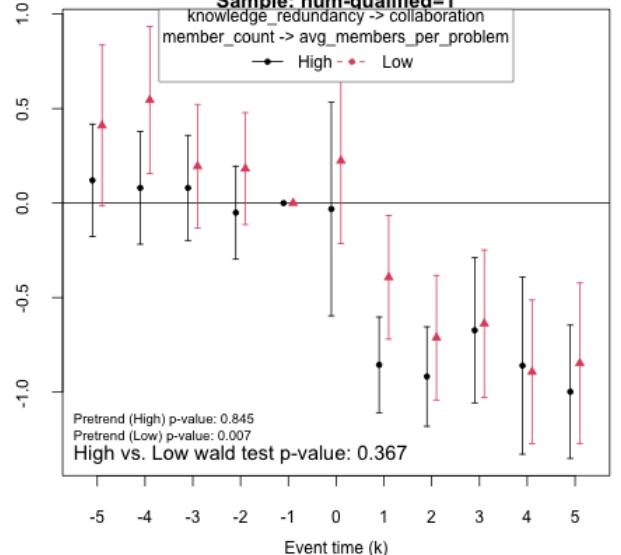
Sample: num-qualified=1

**overall\_new\_release\_count rolling5**

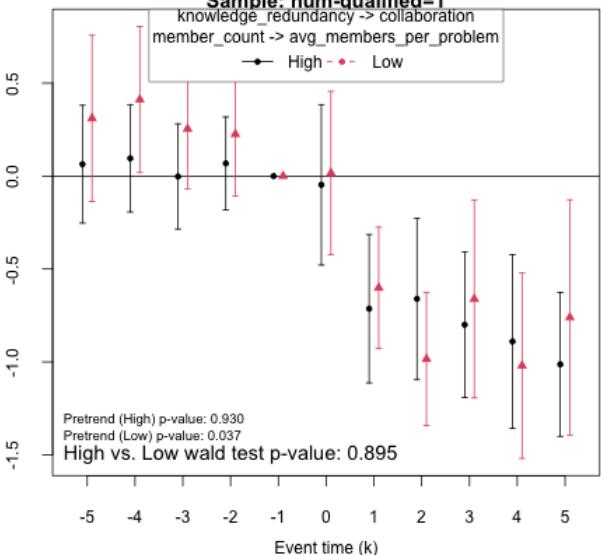
Sample: num-qualified=1

**pull\_request\_merged rolling5**

Sample: num-qualified=1

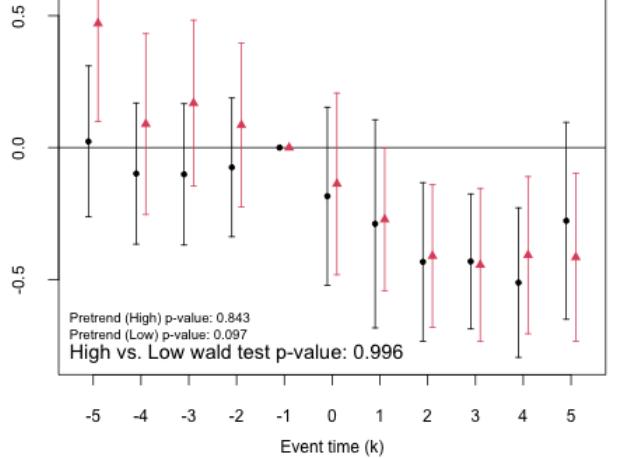
**pull\_request\_opened rolling5**

Sample: num-qualified=1

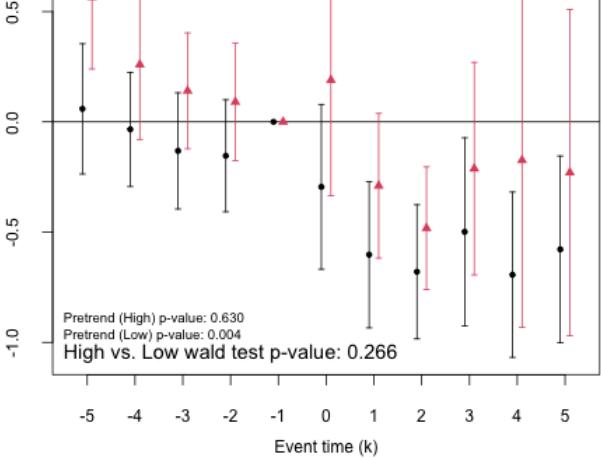


**major\_minor\_release\_count rolling5**

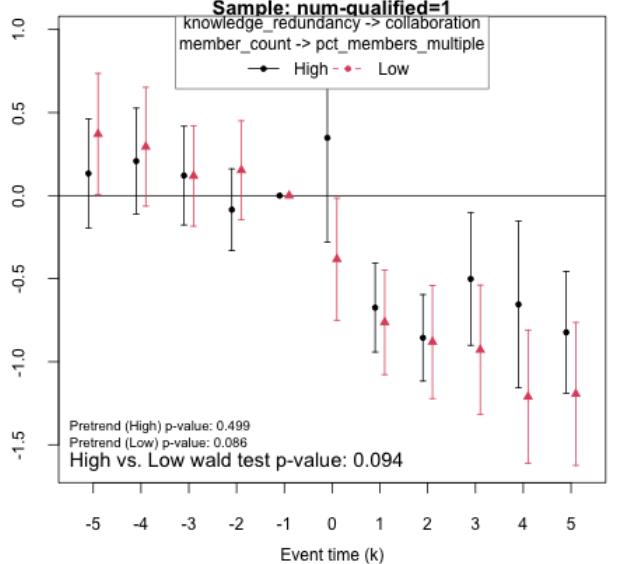
**Sample: num-qualified=1**  
knowledge\_redundancy -> collaboration  
member\_count -> pct\_members\_multiple  
● High ▲ Low

**overall\_new\_release\_count rolling5**

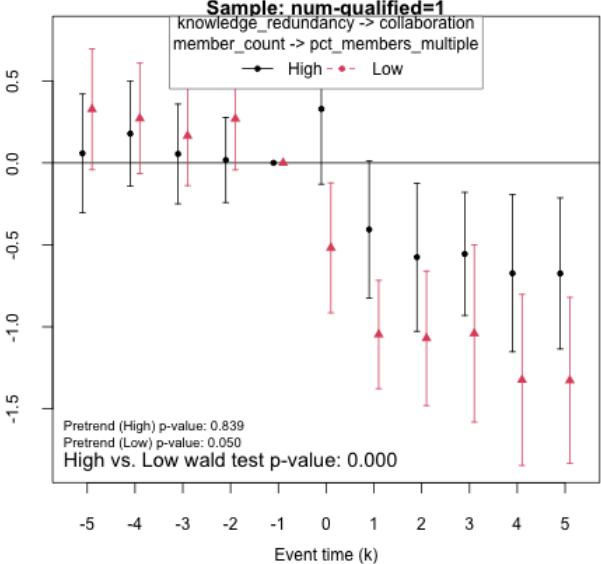
**Sample: num-qualified=1**  
knowledge\_redundancy -> collaboration  
member\_count -> pct\_members\_multiple  
● High ▲ Low

**pull\_request\_merged rolling5**

**Sample: num-qualified=1**  
knowledge\_redundancy -> collaboration  
member\_count -> pct\_members\_multiple  
● High ▲ Low

**pull\_request\_opened rolling5**

**Sample: num-qualified=1**  
knowledge\_redundancy -> collaboration  
member\_count -> pct\_members\_multiple  
● High ▲ Low

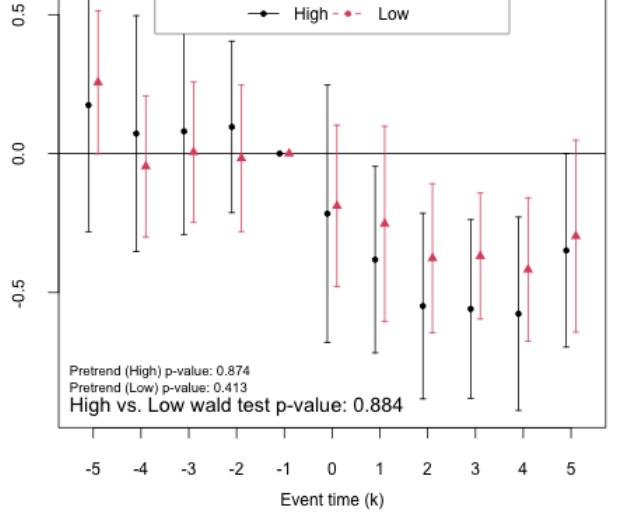


**major\_minor\_release\_count rolling5**

Sample: num-qualified=1

knowledge\_redundancy -> collaboration  
 problem\_hhi -> proj\_prob\_hhi\_issue\_comment

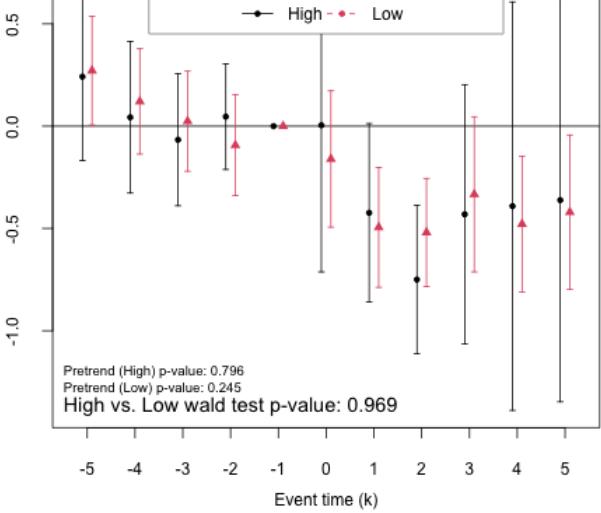
- High
- Low

**overall\_new\_release\_count rolling5**

Sample: num-qualified=1

knowledge\_redundancy -> collaboration  
 problem\_hhi -> proj\_prob\_hhi\_issue\_comment

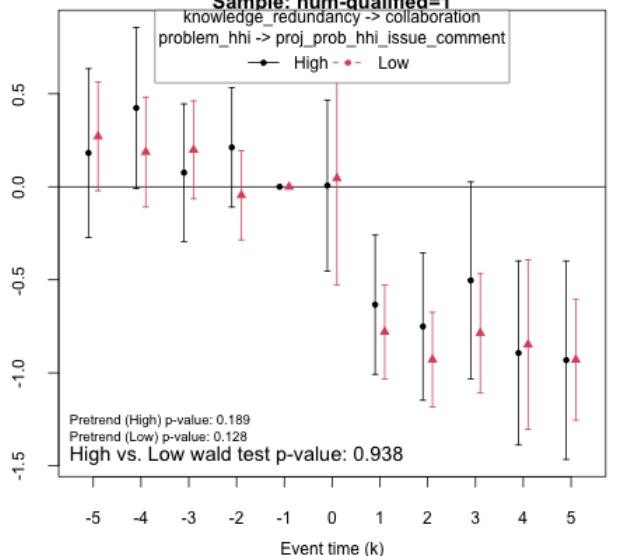
- High
- Low

**pull\_request\_merged rolling5**

Sample: num-qualified=1

knowledge\_redundancy -> collaboration  
 problem\_hhi -> proj\_prob\_hhi\_issue\_comment

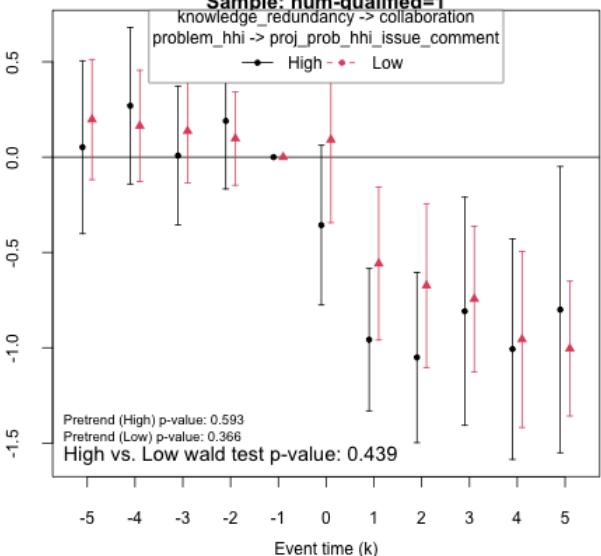
- High
- Low

**pull\_request\_opened rolling5**

Sample: num-qualified=1

knowledge\_redundancy -> collaboration  
 problem\_hhi -> proj\_prob\_hhi\_issue\_comment

- High
- Low

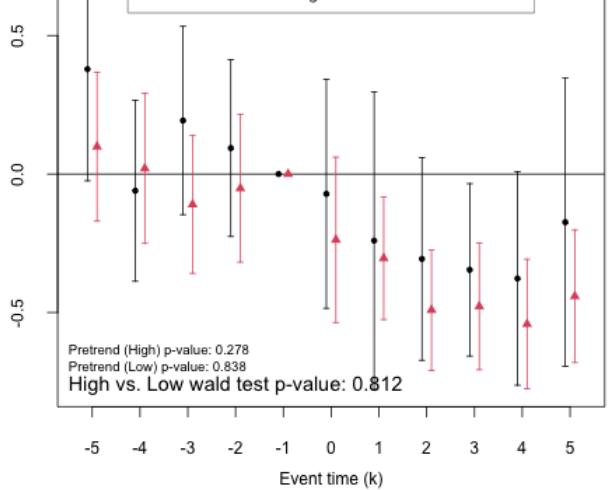


### major\_minor\_release\_count rolling5

knowledge\_redundancy -> collaboration

problem\_hhi -> proj\_prob\_hhi\_pull\_request\_comment

● High ▲ Low

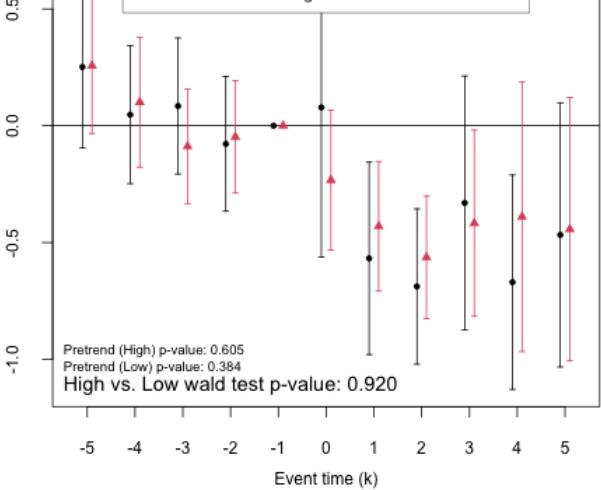


### overall\_new\_release\_count rolling5

knowledge\_redundancy -> collaboration

problem\_hhi -> proj\_prob\_hhi\_pull\_request\_comment

● High ▲ Low

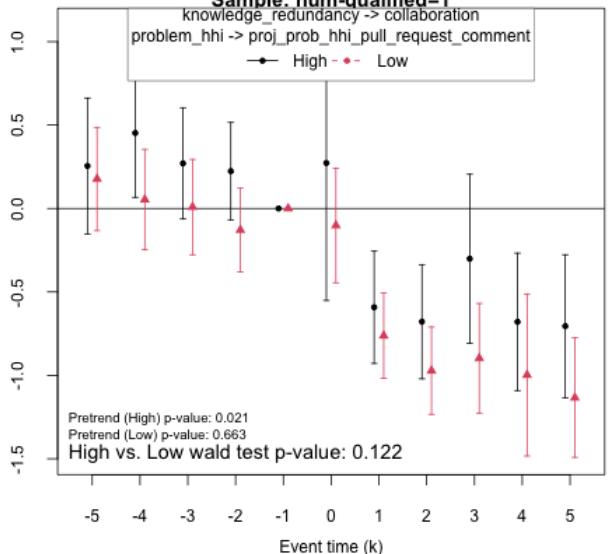


### pull\_request\_merged rolling5

knowledge\_redundancy -> collaboration

problem\_hhi -> proj\_prob\_hhi\_pull\_request\_comment

● High ▲ Low

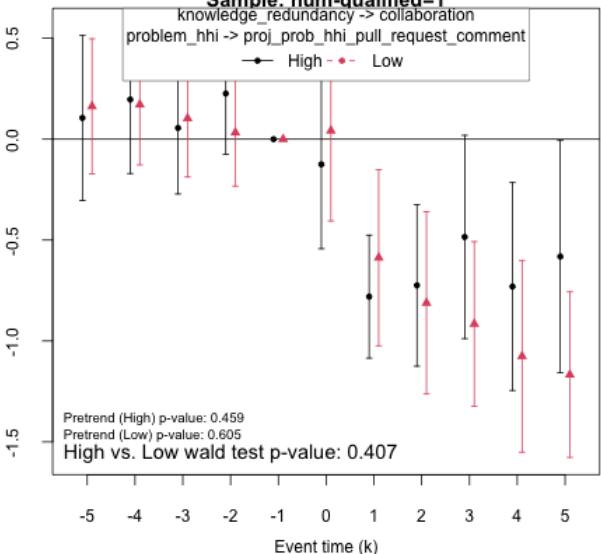


### pull\_request\_opened rolling5

knowledge\_redundancy -> collaboration

problem\_hhi -> proj\_prob\_hhi\_pull\_request\_comment

● High ▲ Low

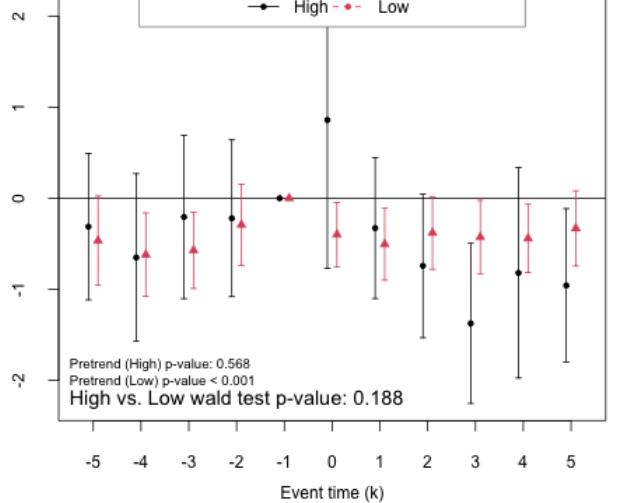


**major\_minor\_release\_count rolling5**

knowledge\_redundancy -&gt; collaboration

problem\_hhi -&gt; proj\_prob\_hhi\_pull\_request\_review

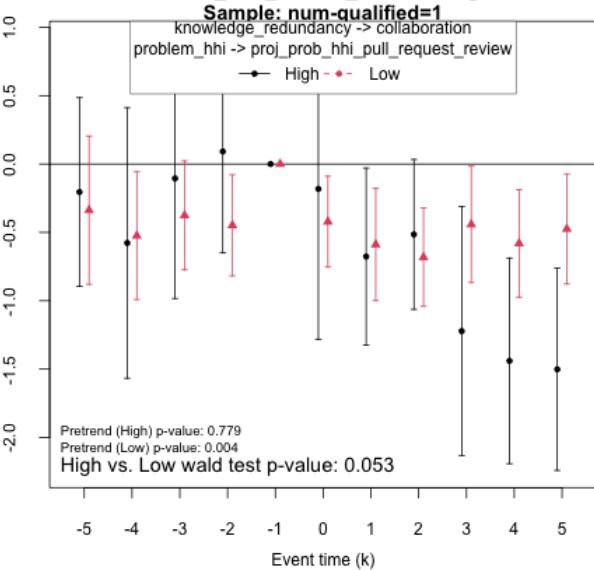
● High ● Low

**overall\_new\_release\_count rolling5**

knowledge\_redundancy -&gt; collaboration

problem\_hhi -&gt; proj\_prob\_hhi\_pull\_request\_review

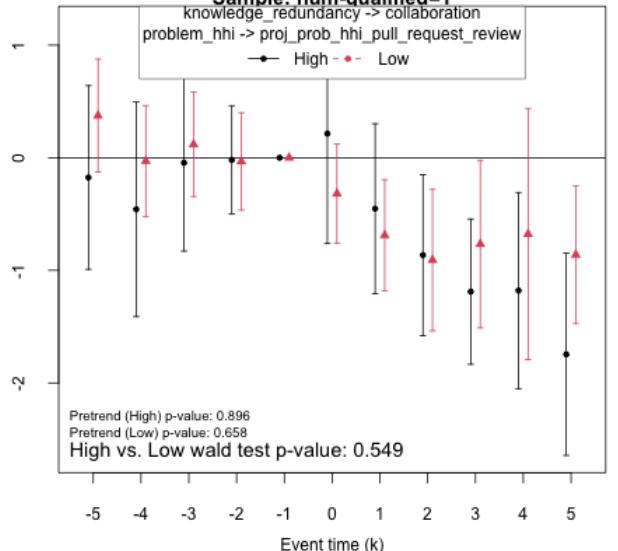
● High ● Low

**pull\_request\_merged rolling5**

knowledge\_redundancy -&gt; collaboration

problem\_hhi -&gt; proj\_prob\_hhi\_pull\_request\_review

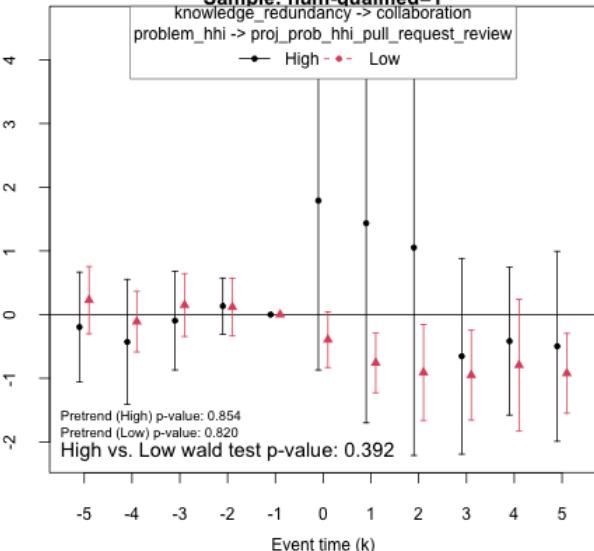
● High ● Low

**pull\_request\_opened rolling5**

knowledge\_redundancy -&gt; collaboration

problem\_hhi -&gt; proj\_prob\_hhi\_pull\_request\_review

● High ● Low



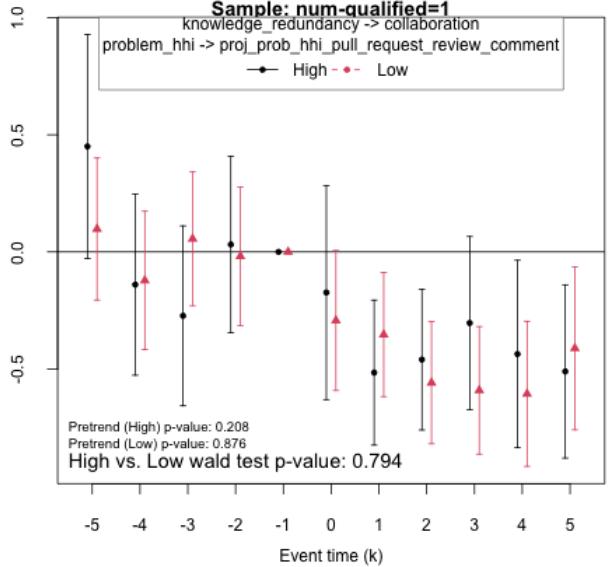
### major\_minor\_release\_count rolling5

Sample: num-qualified=1

knowledge\_redundancy -> collaboration

problem\_hhi -> proj\_prob\_hhi\_pull\_request\_review\_comment

● High ▲ Low



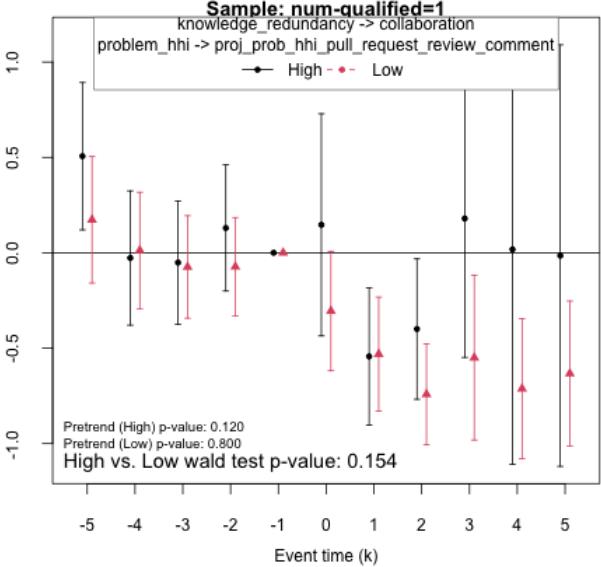
### overall\_new\_release\_count rolling5

Sample: num-qualified=1

knowledge\_redundancy -> collaboration

problem\_hhi -> proj\_prob\_hhi\_pull\_request\_review\_comment

● High ▲ Low



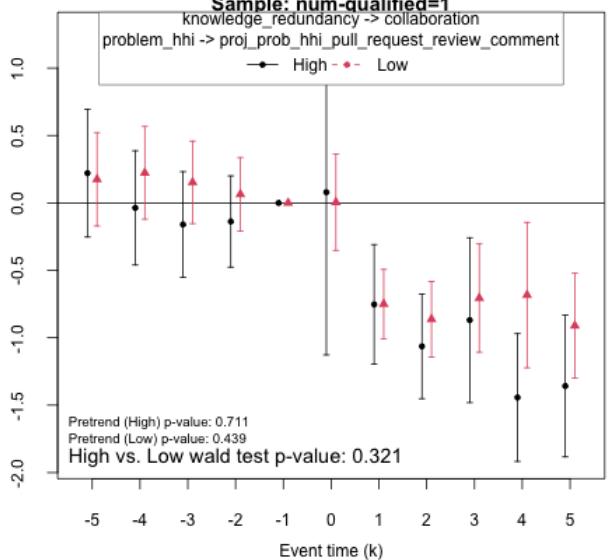
### pull\_request\_merged rolling5

Sample: num-qualified=1

knowledge\_redundancy -> collaboration

problem\_hhi -> proj\_prob\_hhi\_pull\_request\_review\_comment

● High ▲ Low



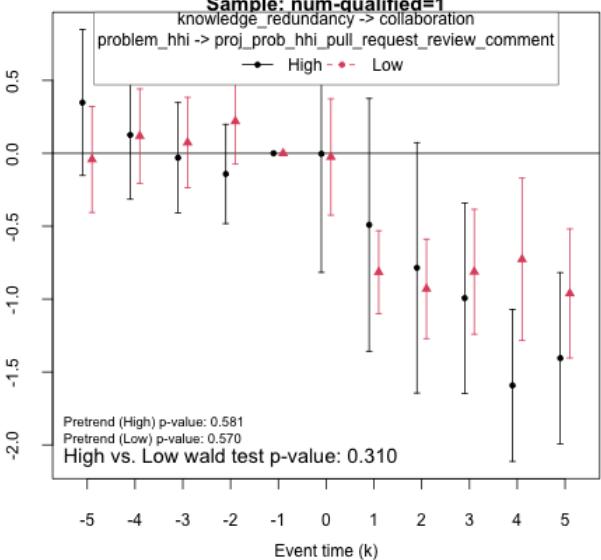
### pull\_request\_opened rolling5

Sample: num-qualified=1

knowledge\_redundancy -> collaboration

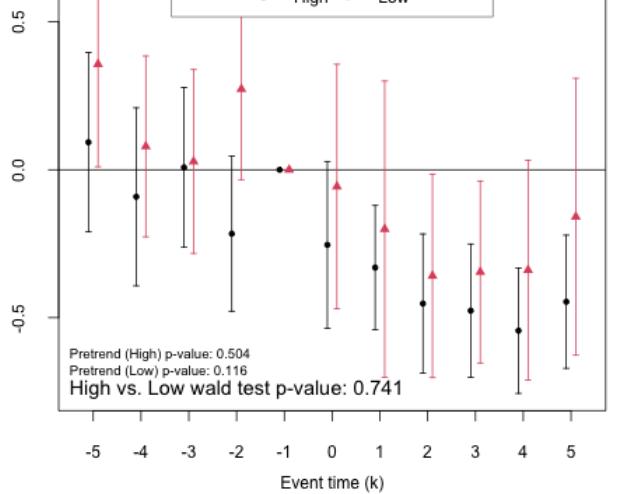
problem\_hhi -> proj\_prob\_hhi\_pull\_request\_review\_comment

● High ▲ Low



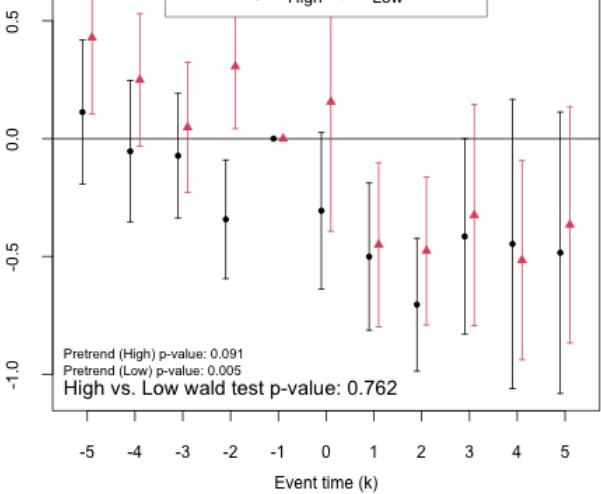
### major\_minor\_release\_count rolling5

Sample: num-qualified=1  
knowledge\_redundancy -> supervision  
discussion\_quantity -> avg\_all\_disc\_count  
● High ▲ Low



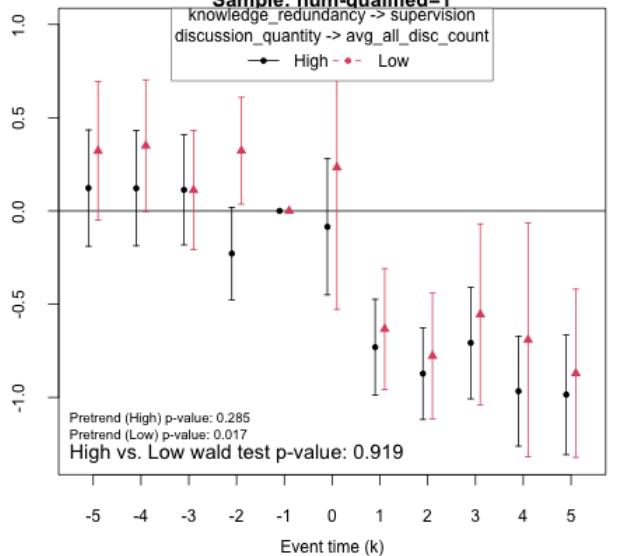
### overall\_new\_release\_count rolling5

Sample: num-qualified=1  
knowledge\_redundancy -> supervision  
discussion\_quantity -> avg\_all\_disc\_count  
● High ▲ Low



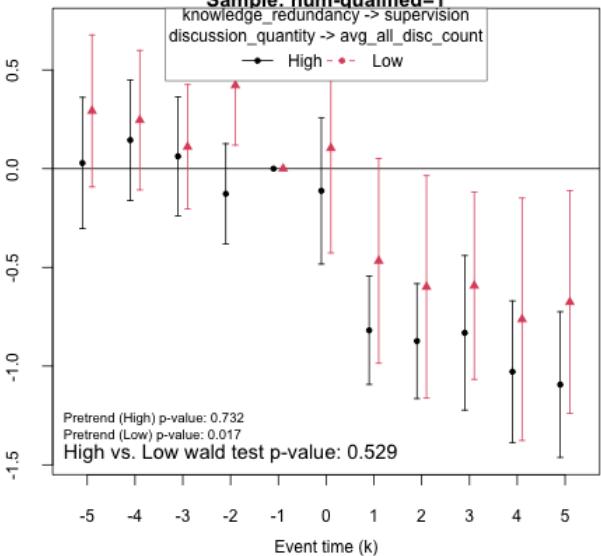
### pull\_request\_merged rolling5

Sample: num-qualified=1  
knowledge\_redundancy -> supervision  
discussion\_quantity -> avg\_all\_disc\_count  
● High ▲ Low

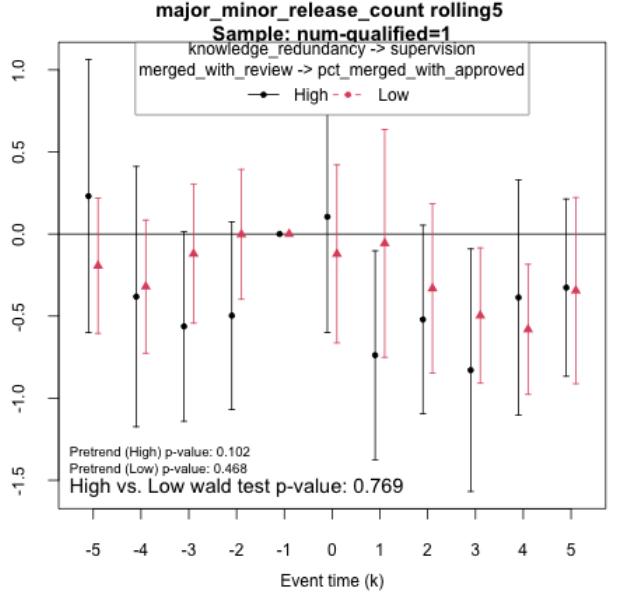


### pull\_request\_opened rolling5

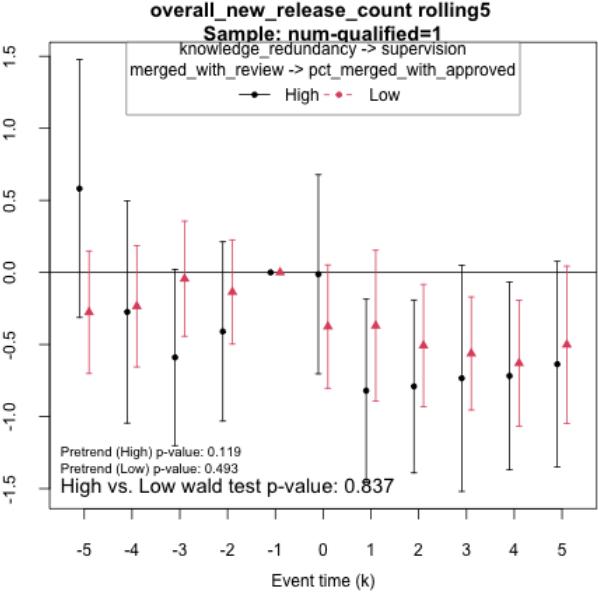
Sample: num-qualified=1  
knowledge\_redundancy -> supervision  
discussion\_quantity -> avg\_all\_disc\_count  
● High ▲ Low



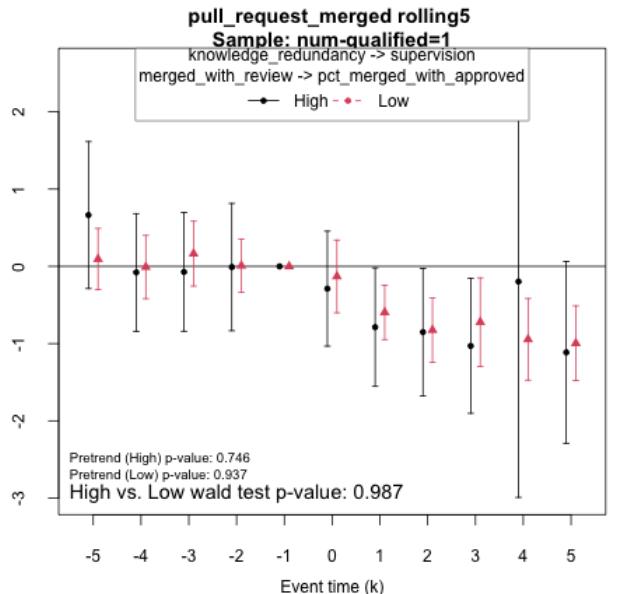
### major\_minor\_release\_count rolling5



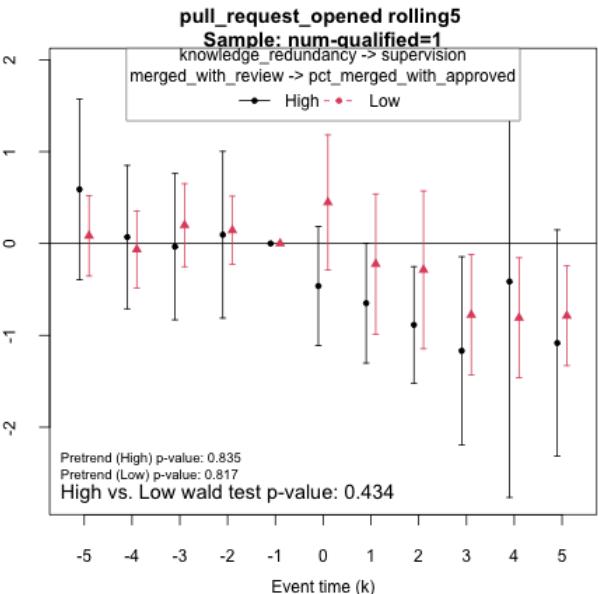
### overall\_new\_release\_count rolling5



### pull\_request\_merged rolling5



### pull\_request\_opened rolling5



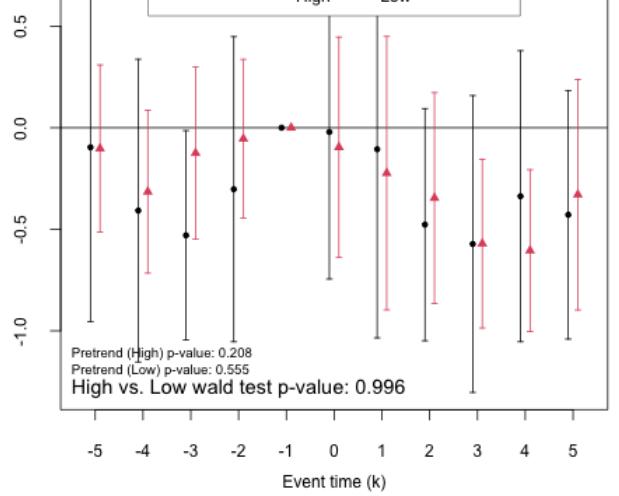
### major\_minor\_release\_count rolling5

Sample: num-qualified=1

knowledge\_redundancy-> supervision

merged\_with\_review -> pct\_merged\_with\_review

● High -● Low



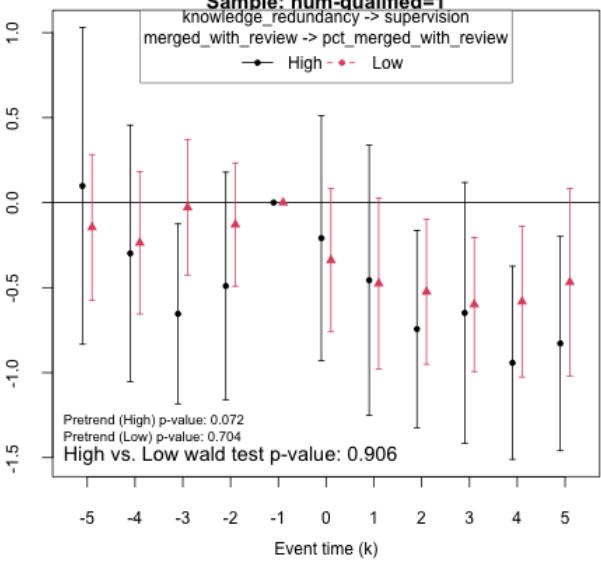
### overall\_new\_release\_count rolling5

Sample: num-qualified=1

knowledge\_redundancy-> supervision

merged\_with\_review -> pct\_merged\_with\_review

● High -● Low



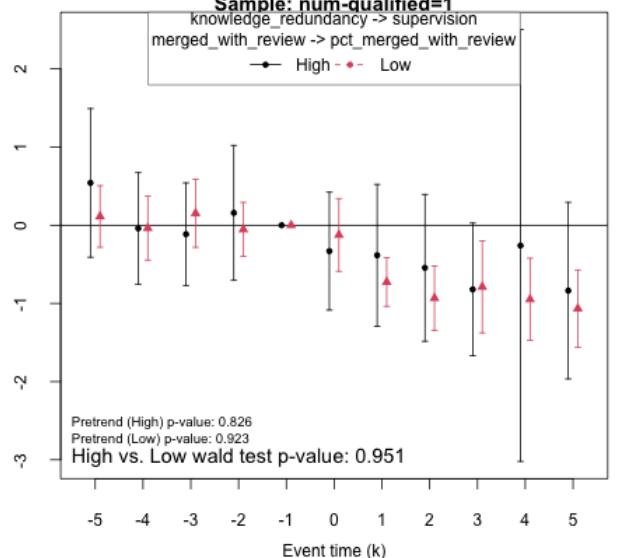
### pull\_request\_merged rolling5

Sample: num-qualified=1

knowledge\_redundancy-> supervision

merged\_with\_review -> pct\_merged\_with\_review

● High -● Low



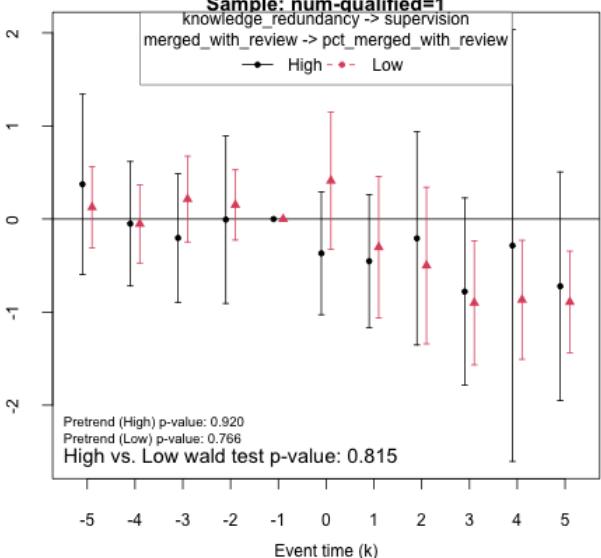
### pull\_request\_opened rolling5

Sample: num-qualified=1

knowledge\_redundancy-> supervision

merged\_with\_review -> pct\_merged\_with\_review

● High -● Low

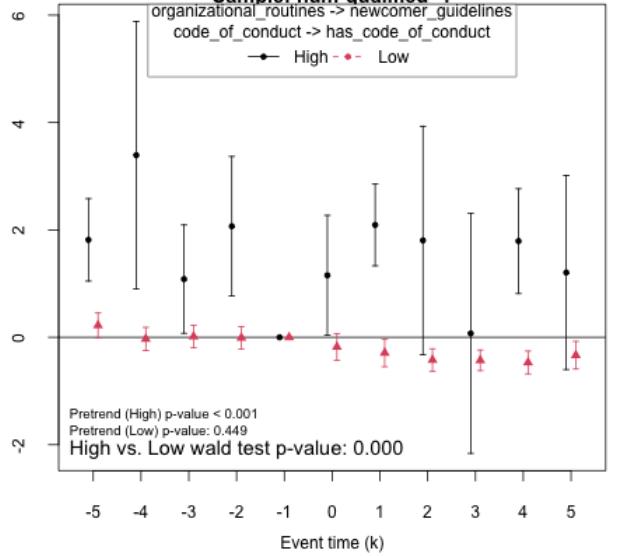


**major\_minor\_release\_count rolling5**

Sample: num-qualified=1

organizational\_routines -> newcomer\_guidelines  
 code\_of\_conduct -> has\_code\_of\_conduct

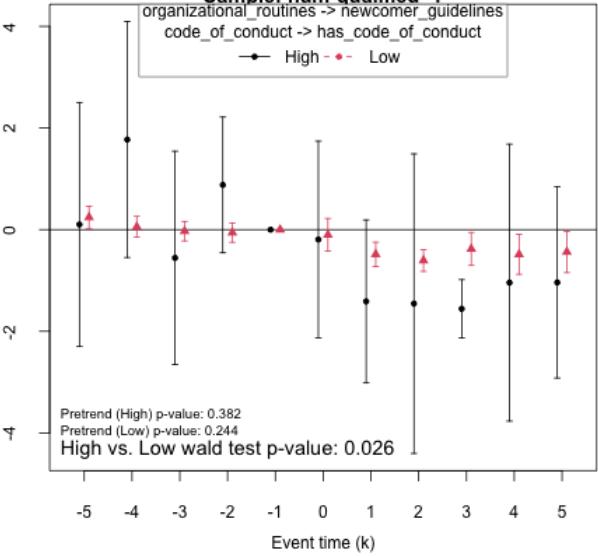
- High
- Low

**overall\_new\_release\_count rolling5**

Sample: num-qualified=1

organizational\_routines -> newcomer\_guidelines  
 code\_of\_conduct -> has\_code\_of\_conduct

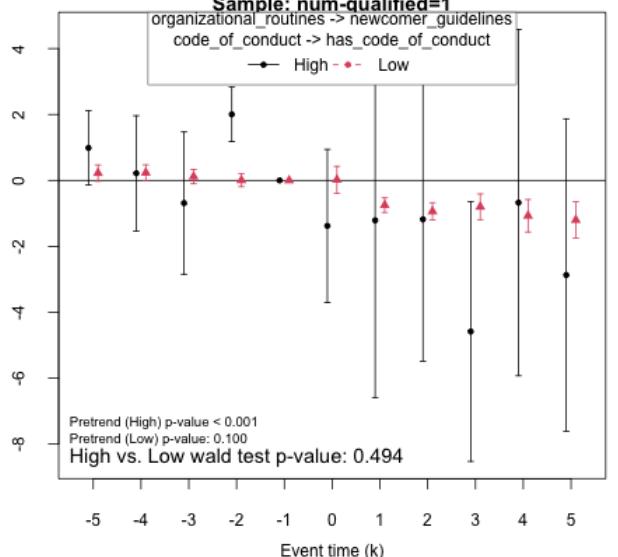
- High
- Low

**pull\_request\_merged rolling5**

Sample: num-qualified=1

organizational\_routines -> newcomer\_guidelines  
 code\_of\_conduct -> has\_code\_of\_conduct

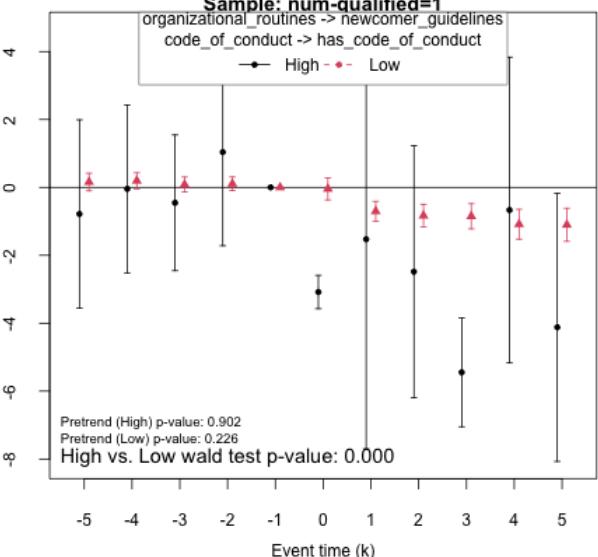
- High
- Low

**pull\_request\_opened rolling5**

Sample: num-qualified=1

organizational\_routines -> newcomer\_guidelines  
 code\_of\_conduct -> has\_code\_of\_conduct

- High
- Low

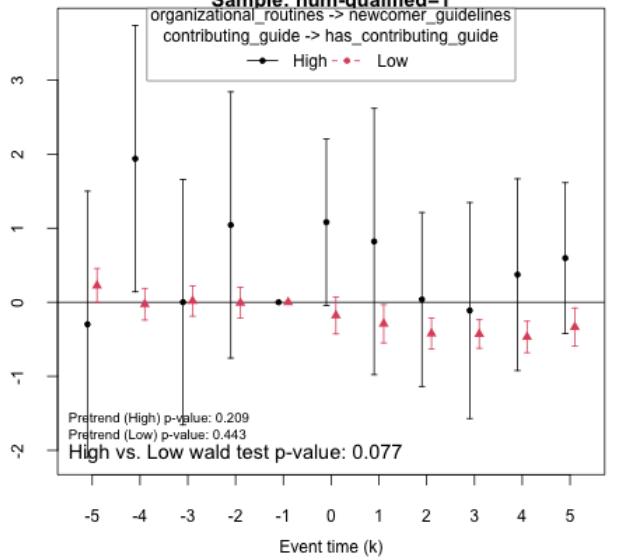


**major\_minor\_release\_count rolling5**

Sample: num-qualified=1

organizational\_routines -> newcomer\_guidelines  
contributing\_guide -> has\_contributing\_guide

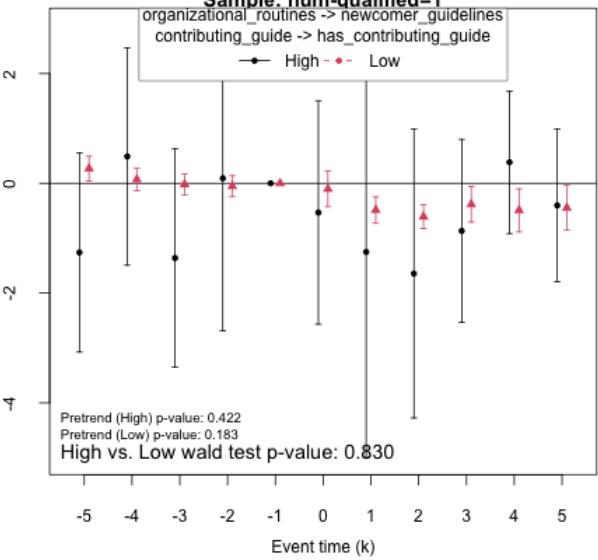
● High ● Low

**overall\_new\_release\_count rolling5**

Sample: num-qualified=1

organizational\_routines -> newcomer\_guidelines  
contributing\_guide -> has\_contributing\_guide

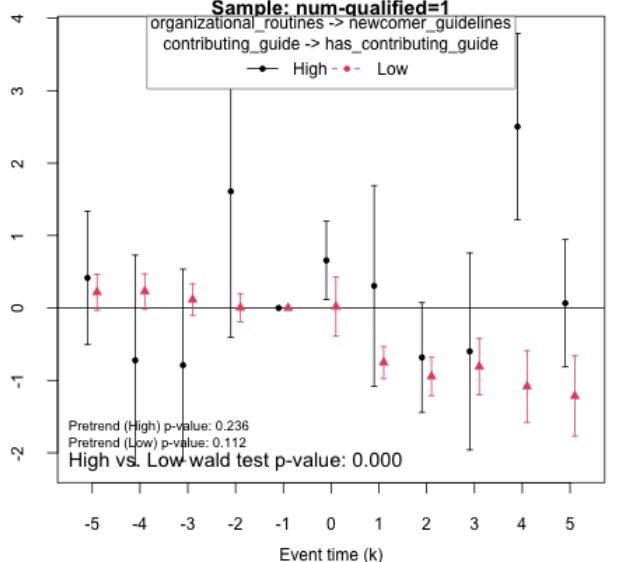
● High ● Low

**pull\_request\_merged rolling5**

Sample: num-qualified=1

organizational\_routines -> newcomer\_guidelines  
contributing\_guide -> has\_contributing\_guide

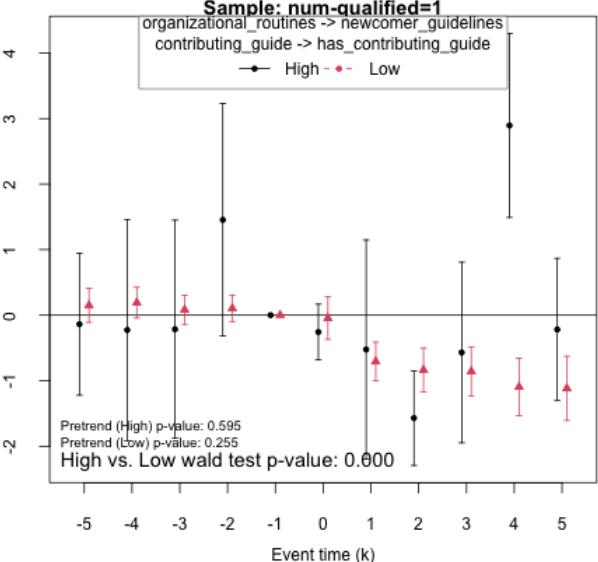
● High ● Low

**pull\_request\_opened rolling5**

Sample: num-qualified=1

organizational\_routines -> newcomer\_guidelines  
contributing\_guide -> has\_contributing\_guide

● High ● Low

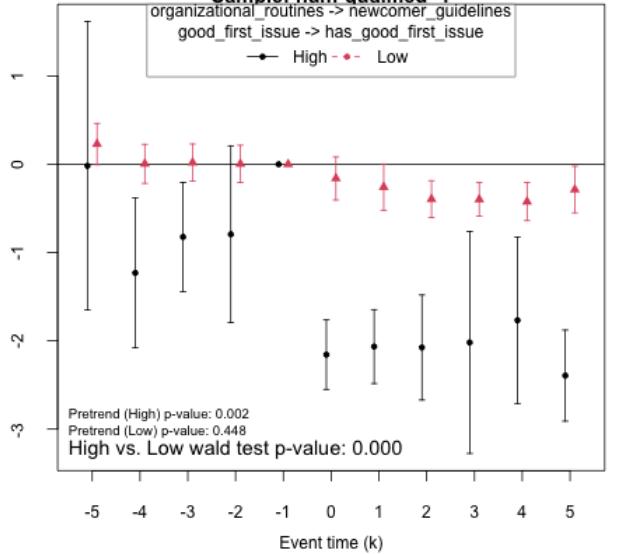


**major\_minor\_release\_count rolling5**

Sample: num-qualified=1

organizational\_routines -> newcomer\_guidelines  
good\_first\_issue -> has\_good\_first\_issue

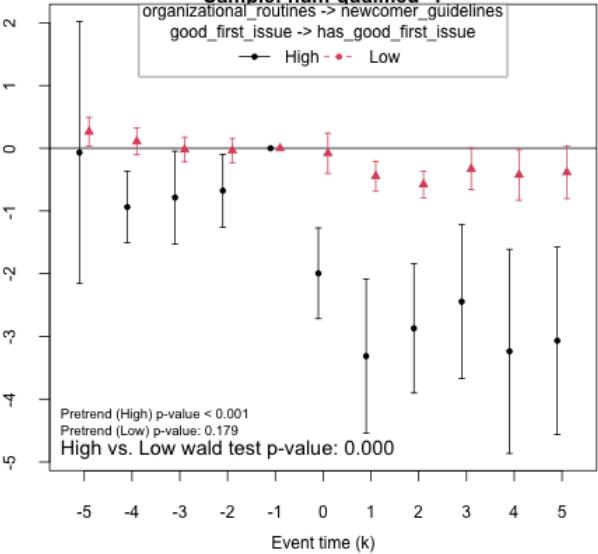
● High ▲ Low

**overall\_new\_release\_count rolling5**

Sample: num-qualified=1

organizational\_routines -> newcomer\_guidelines  
good\_first\_issue -> has\_good\_first\_issue

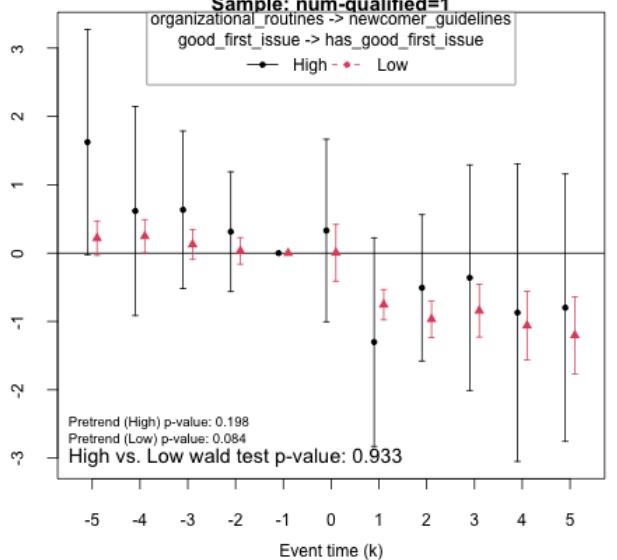
● High ▲ Low

**pull\_request\_merged rolling5**

Sample: num-qualified=1

organizational\_routines -> newcomer\_guidelines  
good\_first\_issue -> has\_good\_first\_issue

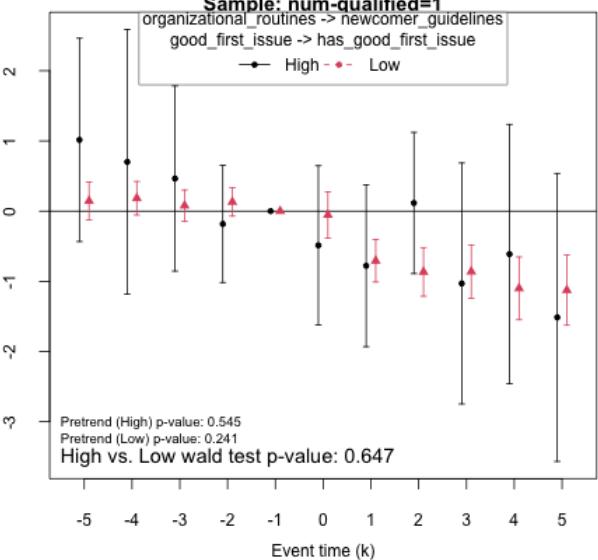
● High ▲ Low

**pull\_request\_opened rolling5**

Sample: num-qualified=1

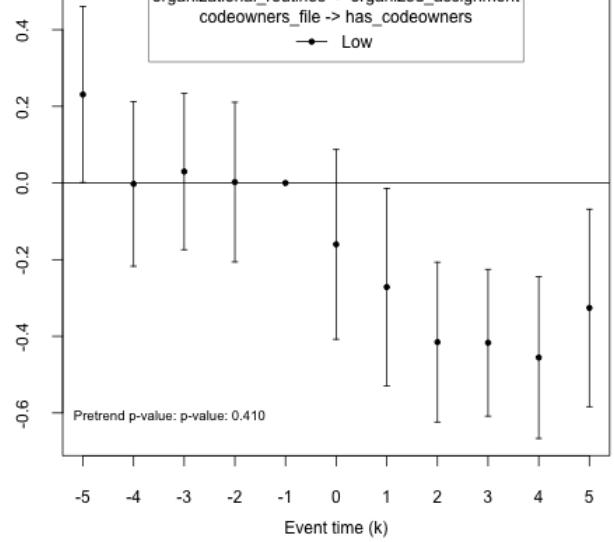
organizational\_routines -> newcomer\_guidelines  
good\_first\_issue -> has\_good\_first\_issue

● High ▲ Low

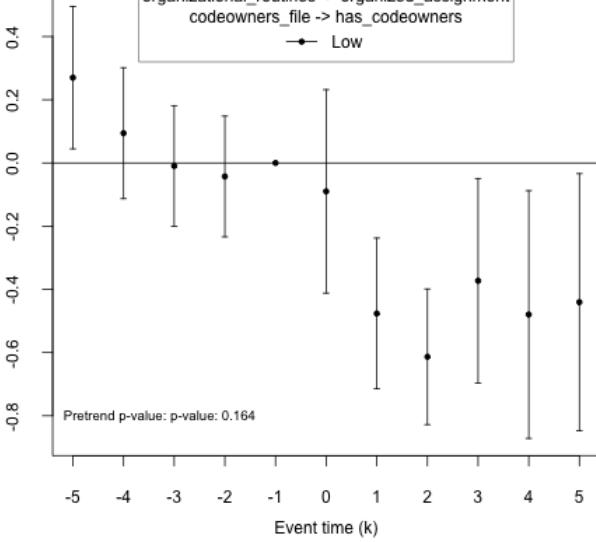


**major\_minor\_release\_count rolling5****Sample: num-qualified=1**organizational\_routines -> organized\_assignment  
codeowners\_file -> has\_codeowners

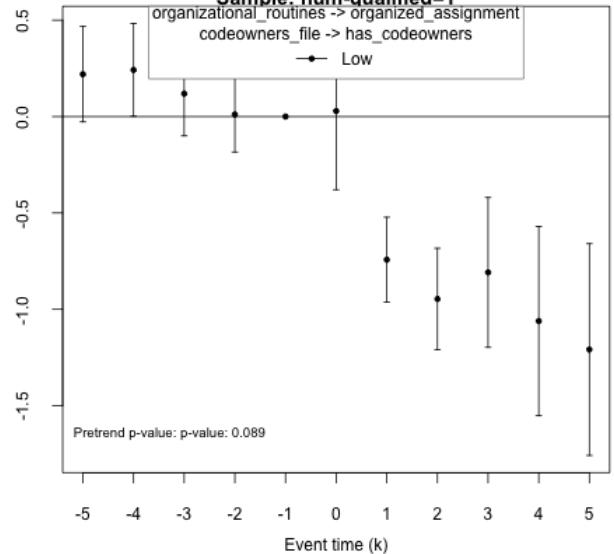
—●— Low

**overall\_new\_release\_count rolling5****Sample: num-qualified=1**organizational\_routines -> organized\_assignment  
codeowners\_file -> has\_codeowners

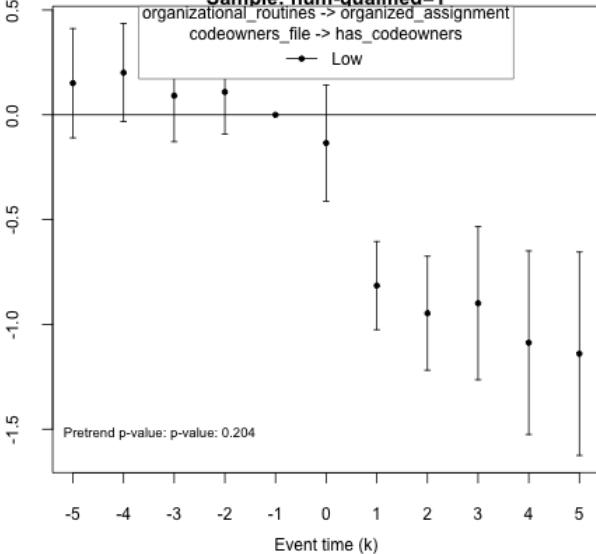
—●— Low

**pull\_request\_merged rolling5****Sample: num-qualified=1**organizational\_routines -> organized\_assignment  
codeowners\_file -> has\_codeowners

—●— Low

**pull\_request\_opened rolling5****Sample: num-qualified=1**organizational\_routines -> organized\_assignment  
codeowners\_file -> has\_codeowners

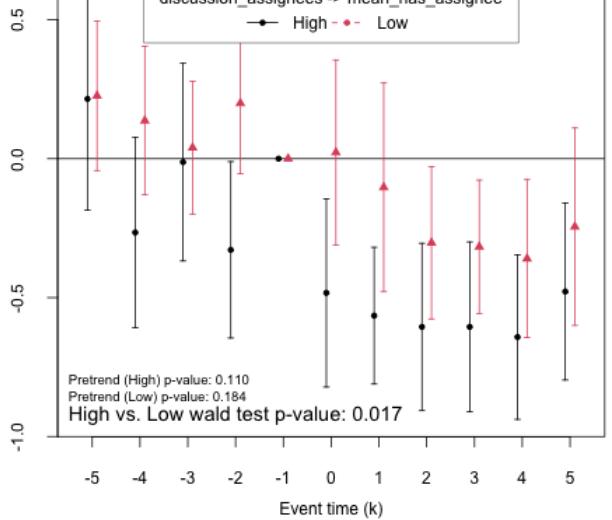
—●— Low



### major\_minor\_release\_count rolling5

Sample: num-qualified=1

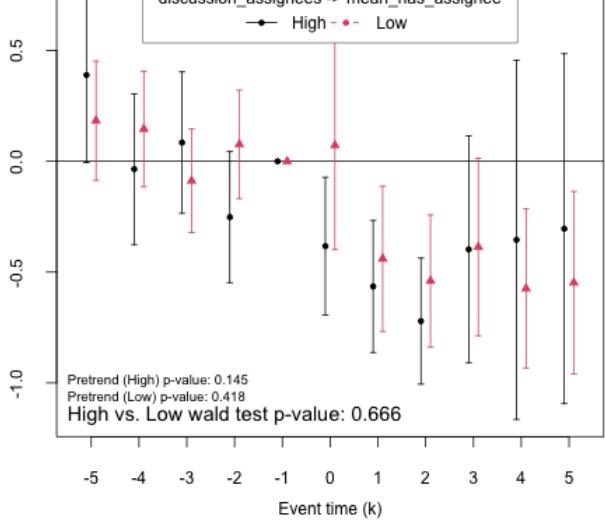
organizational\_routines -> organized\_assignment  
discussion\_assignees -> mean\_has\_assignee



### overall\_new\_release\_count rolling5

Sample: num-qualified=1

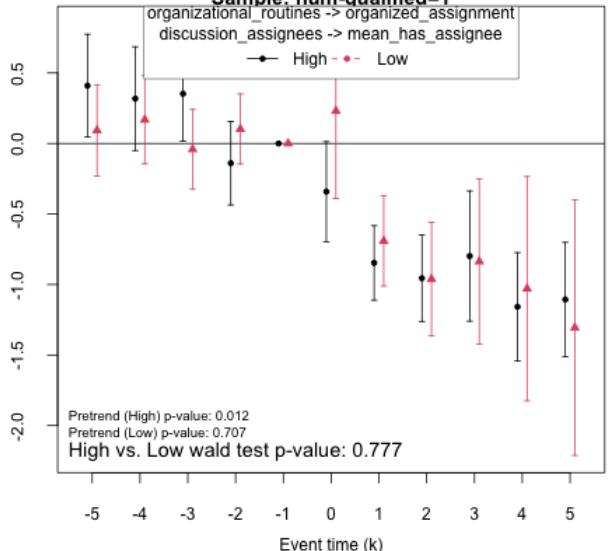
organizational\_routines -> organized\_assignment  
discussion\_assignees -> mean\_has\_assignee



### pull\_request\_merged rolling5

Sample: num-qualified=1

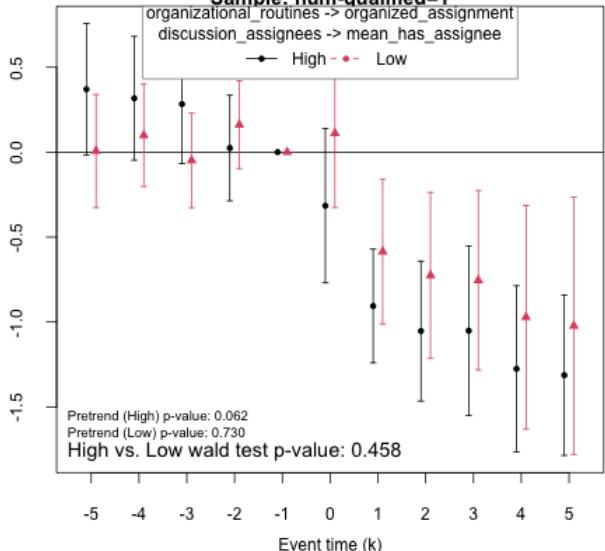
organizational\_routines -> organized\_assignment  
discussion\_assignees -> mean\_has\_assignee



### pull\_request\_opened rolling5

Sample: num-qualified=1

organizational\_routines -> organized\_assignment  
discussion\_assignees -> mean\_has\_assignee



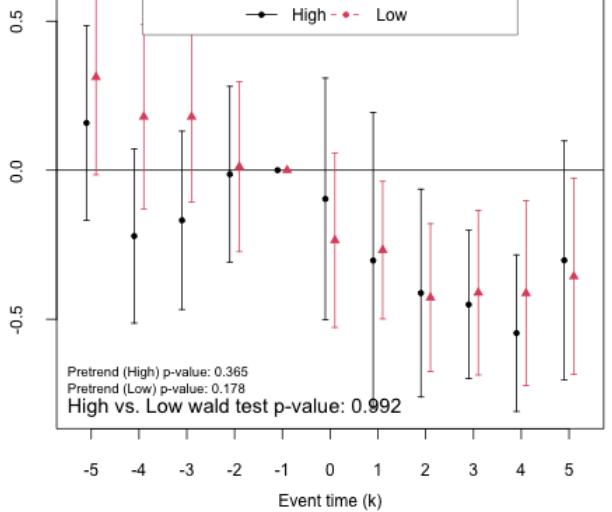
**major\_minor\_release\_count rolling5**

Sample: num-qualified=1

organizational\_routines -&gt; organized\_assignment

discussion\_labels -&gt; mean\_has\_tag

● High ▲ Low

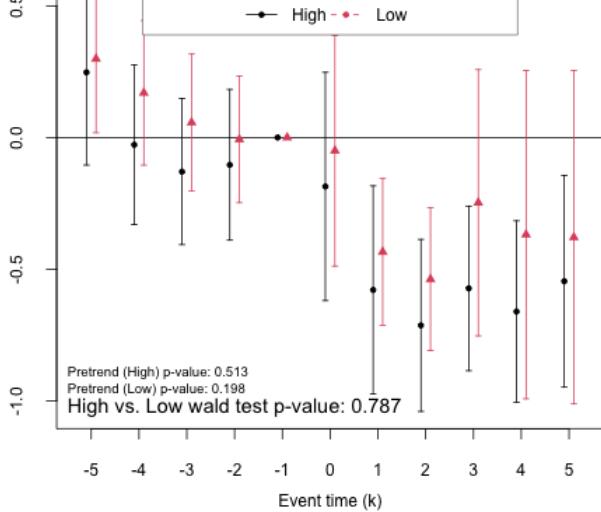
**overall\_new\_release\_count rolling5**

Sample: num-qualified=1

organizational\_routines -&gt; organized\_assignment

discussion\_labels -&gt; mean\_has\_tag

● High ▲ Low

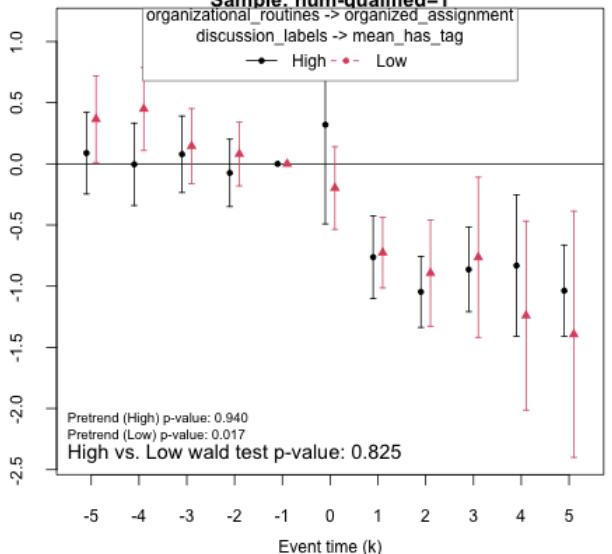
**pull\_request\_merged rolling5**

Sample: num-qualified=1

organizational\_routines -&gt; organized\_assignment

discussion\_labels -&gt; mean\_has\_tag

● High ▲ Low

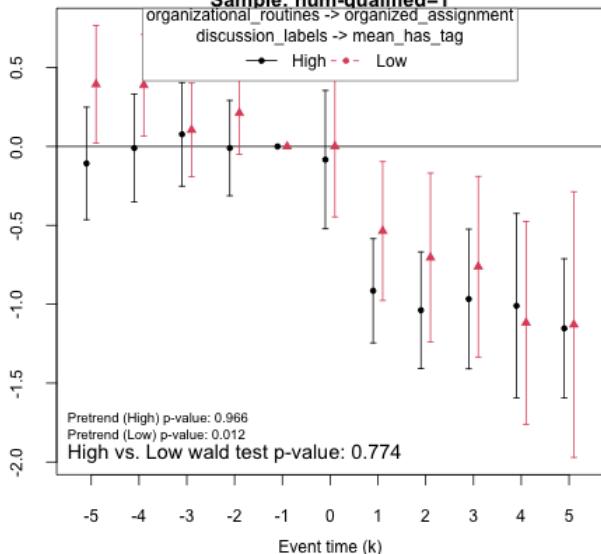
**pull\_request\_opened rolling5**

Sample: num-qualified=1

organizational\_routines -&gt; organized\_assignment

discussion\_labels -&gt; mean\_has\_tag

● High ▲ Low



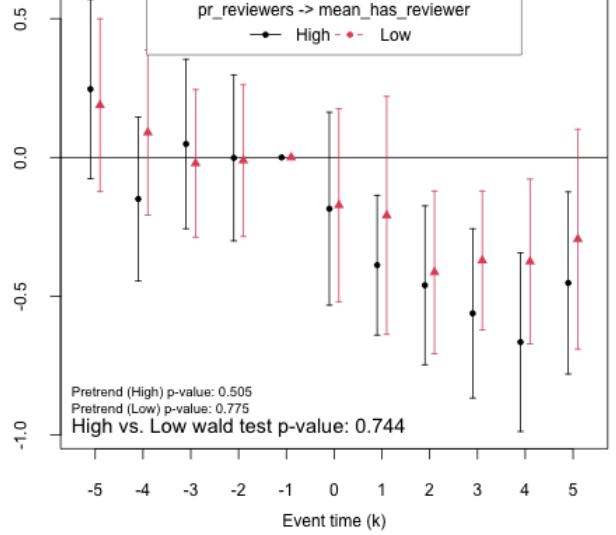
**major\_minor\_release\_count rolling5**

Sample: num-qualified=1

organizational\_routines -&gt; organized\_assignment

pr\_reviewers -&gt; mean\_has\_reviewer

● High ▲ Low

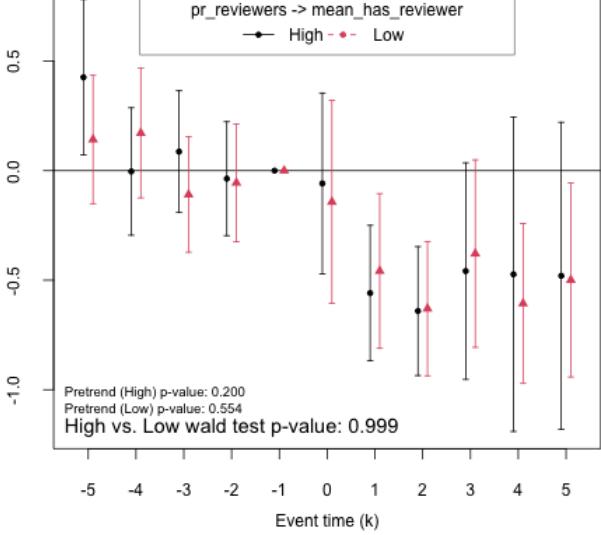
**overall\_new\_release\_count rolling5**

Sample: num-qualified=1

organizational\_routines -&gt; organized\_assignment

pr\_reviewers -&gt; mean\_has\_reviewer

● High ▲ Low

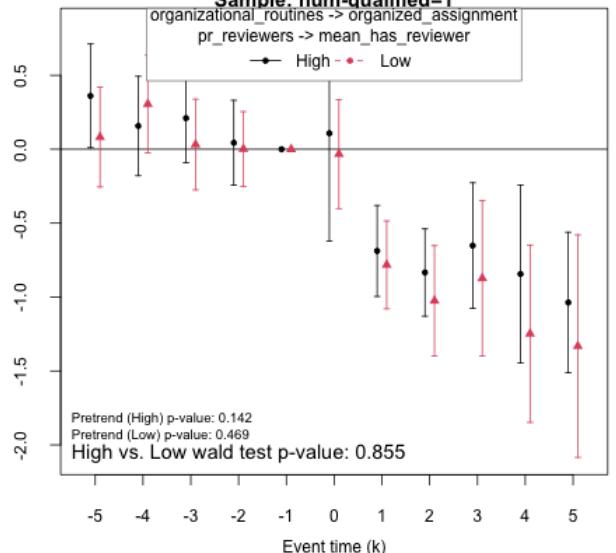
**pull\_request\_merged rolling5**

Sample: num-qualified=1

organizational\_routines -&gt; organized\_assignment

pr\_reviewers -&gt; mean\_has\_reviewer

● High ▲ Low

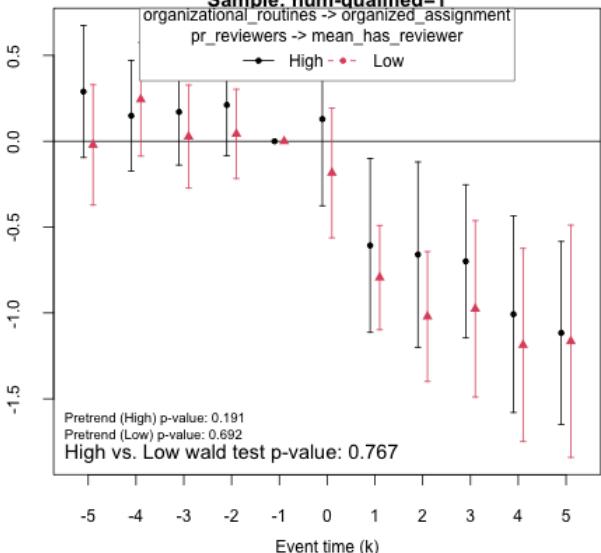
**pull\_request\_opened rolling5**

Sample: num-qualified=1

organizational\_routines -&gt; organized\_assignment

pr\_reviewers -&gt; mean\_has\_reviewer

● High ▲ Low



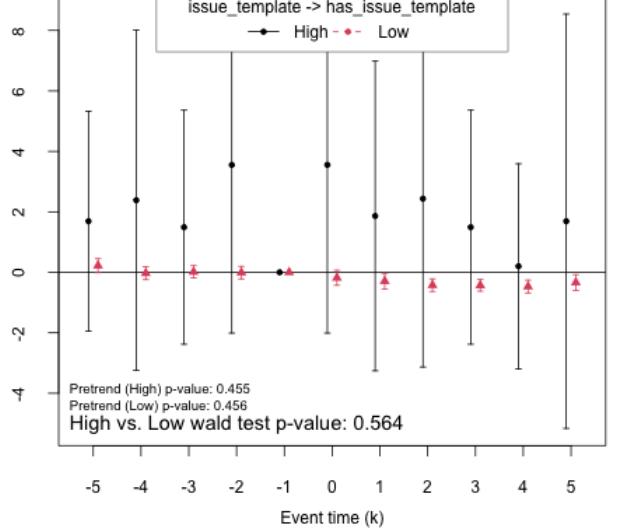
**major\_minor\_release\_count rolling5**

Sample: num-qualified=1

organizational\_routines -&gt; organized\_inquiries

issue\_template -&gt; has\_issue\_template

● High - ● Low

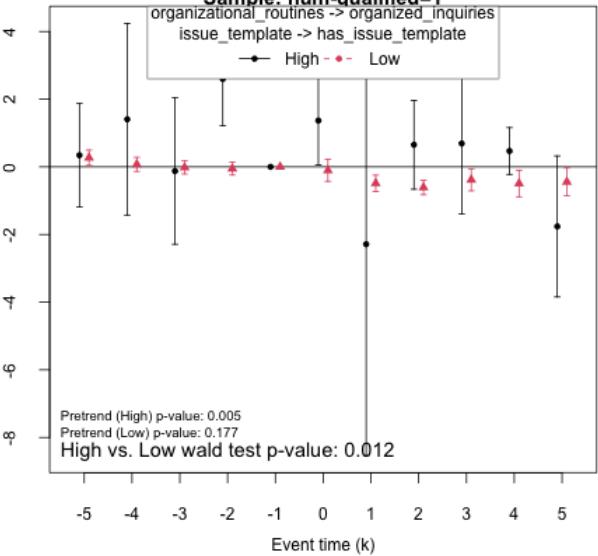
**overall\_new\_release\_count rolling5**

Sample: num-qualified=1

organizational\_routines -&gt; organized\_inquiries

issue\_template -&gt; has\_issue\_template

● High - ● Low

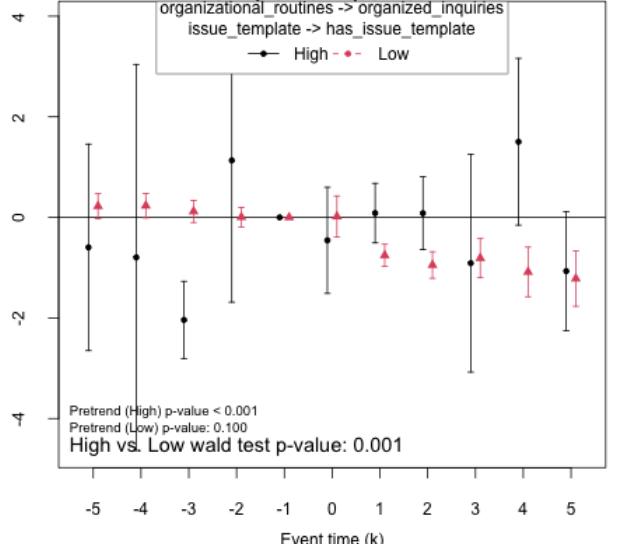
**pull\_request\_merged rolling5**

Sample: num-qualified=1

organizational\_routines -&gt; organized\_inquiries

issue\_template -&gt; has\_issue\_template

● High - ● Low

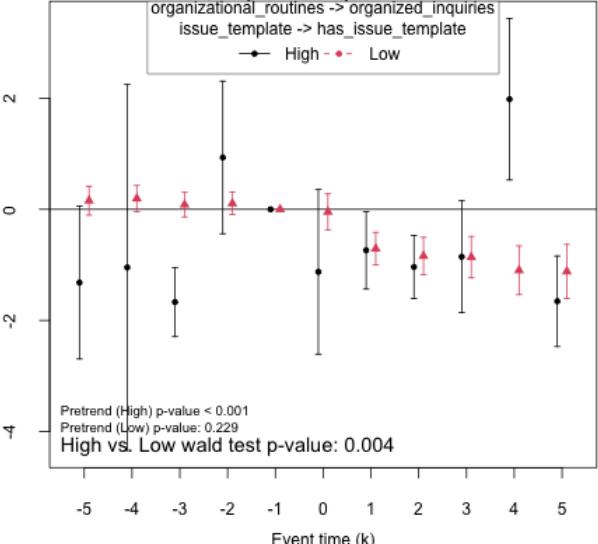
**pull\_request\_opened rolling5**

Sample: num-qualified=1

organizational\_routines -&gt; organized\_inquiries

issue\_template -&gt; has\_issue\_template

● High - ● Low

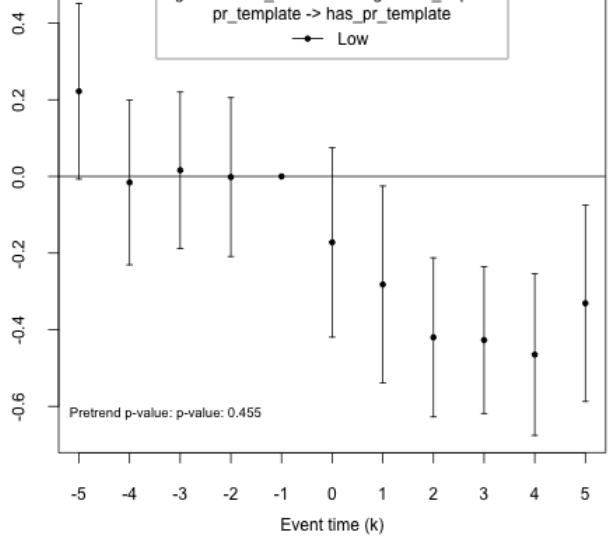


**major\_minor\_release\_count rolling5****Sample: num-qualified=1**

organizational\_routines -&gt; organized\_inquiries

pr\_template -&gt; has\_pr\_template

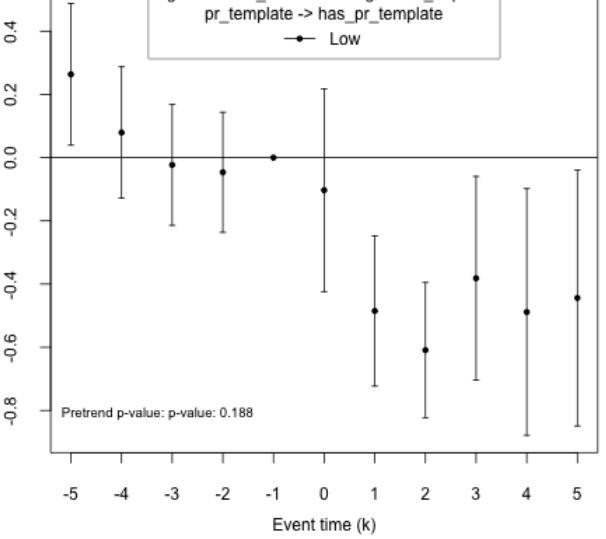
● Low

**overall\_new\_release\_count rolling5****Sample: num-qualified=1**

organizational\_routines -&gt; organized\_inquiries

pr\_template -&gt; has\_pr\_template

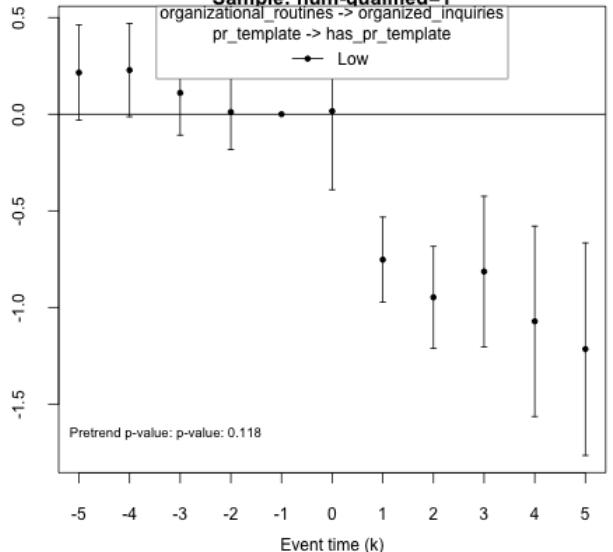
● Low

**pull\_request\_merged rolling5****Sample: num-qualified=1**

organizational\_routines -&gt; organized\_inquiries

pr\_template -&gt; has\_pr\_template

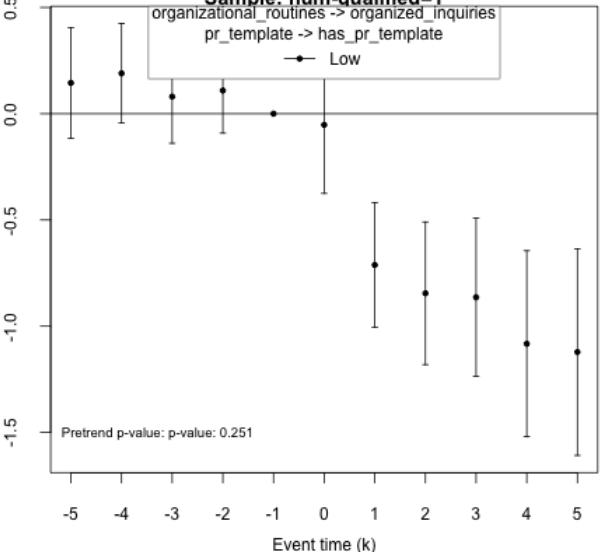
● Low

**pull\_request\_opened rolling5****Sample: num-qualified=1**

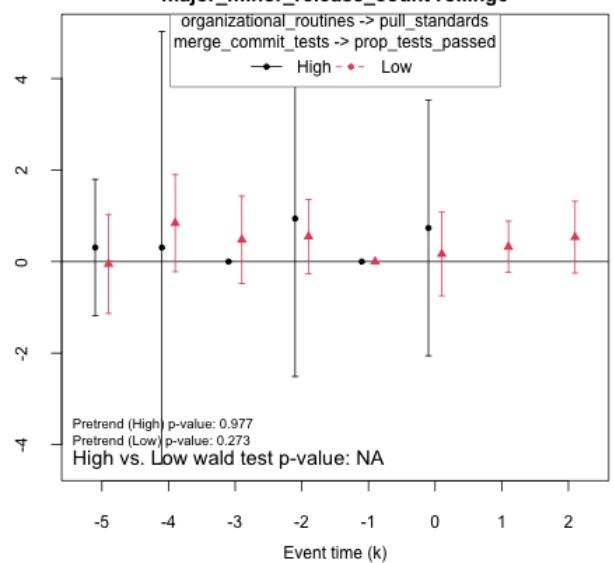
organizational\_routines -&gt; organized\_inquiries

pr\_template -&gt; has\_pr\_template

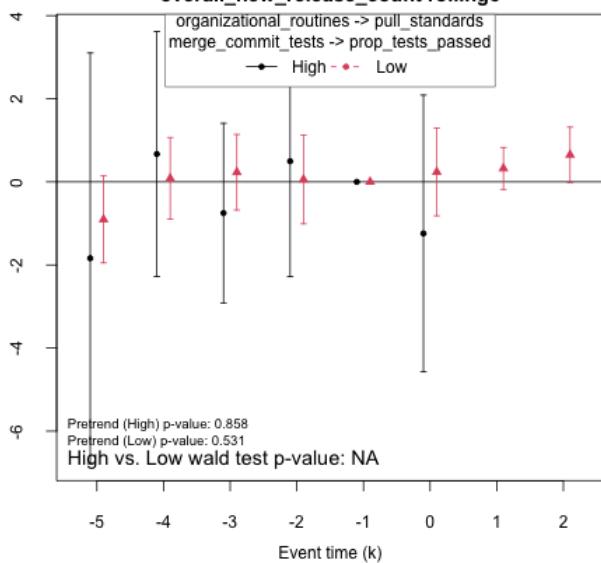
● Low



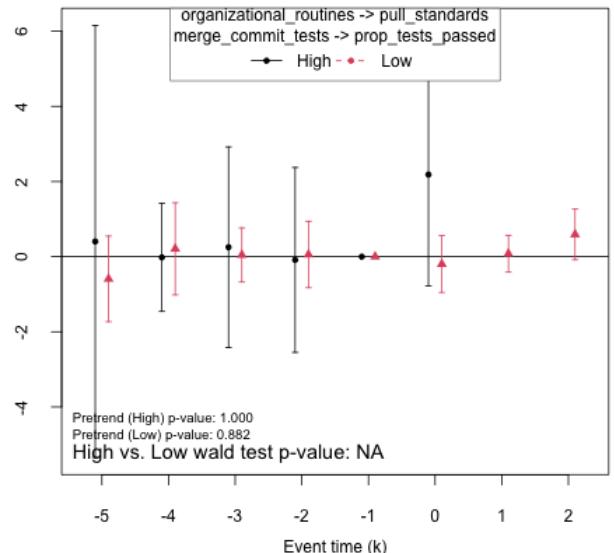
### major\_minor\_release\_count rolling5



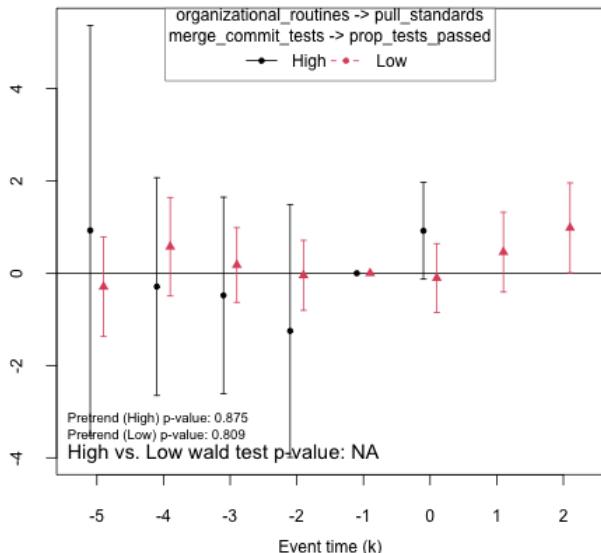
### overall\_new\_release\_count rolling5



### pull\_request\_merged rolling5

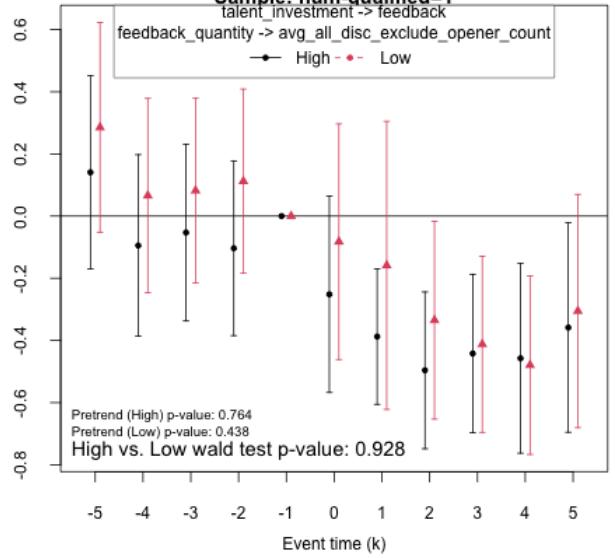


### pull\_request\_opened rolling5



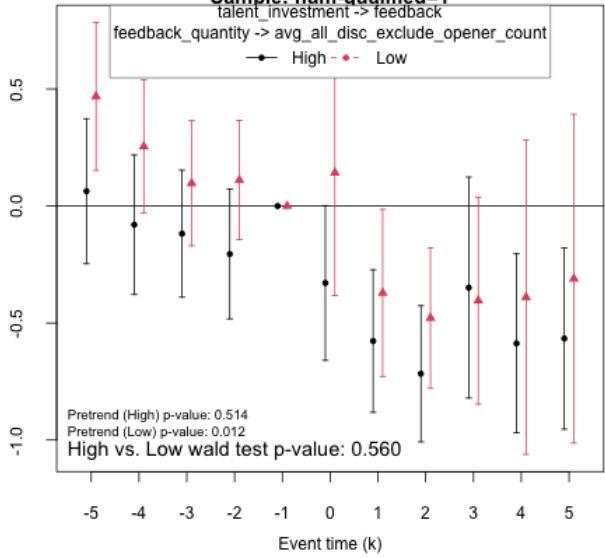
### major\_minor\_release\_count rolling5

Sample: num-qualified=1



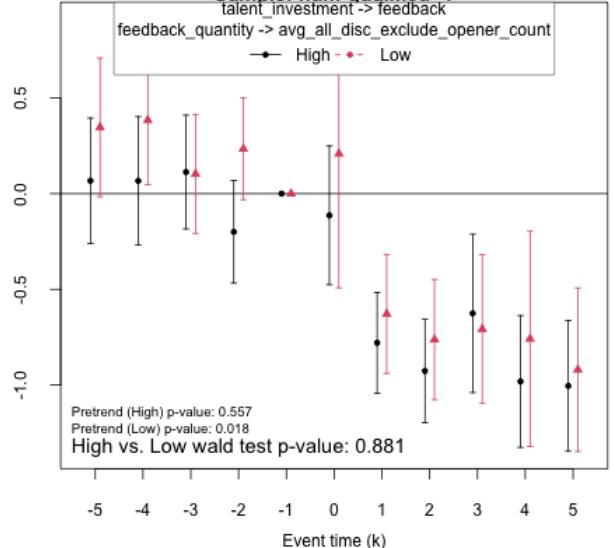
### overall\_new\_release\_count rolling5

Sample: num-qualified=1



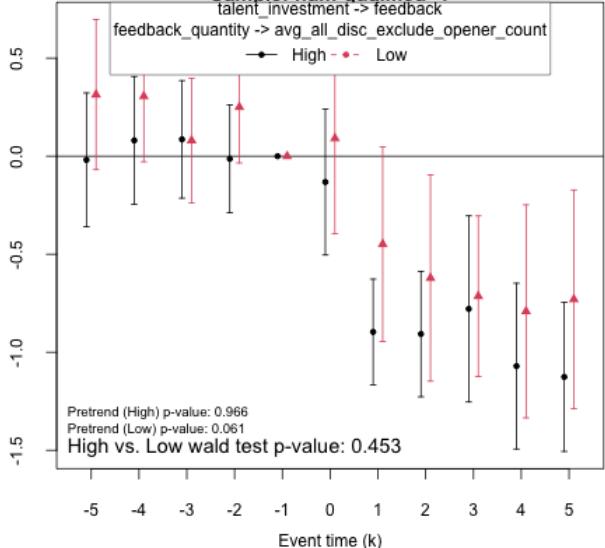
### pull\_request\_merged rolling5

Sample: num-qualified=1



### pull\_request\_opened rolling5

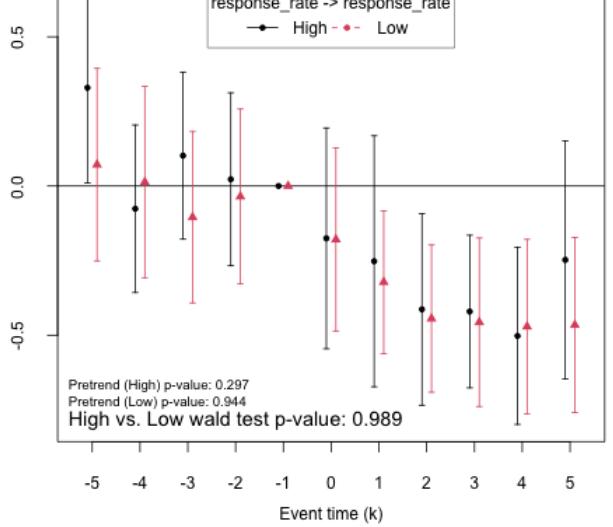
Sample: num-qualified=1



**major\_minor\_release\_count rolling5**

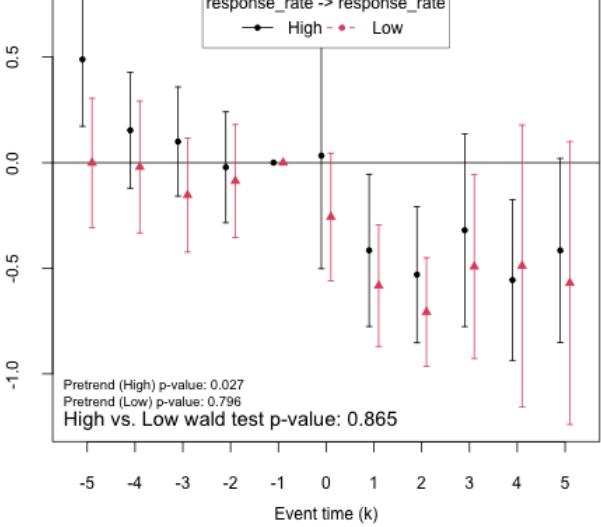
Sample: num-qualified=1

talent\_investment -> feedback  
 response\_rate -> response\_rate  
 ● High ▲ Low

**overall\_new\_release\_count rolling5**

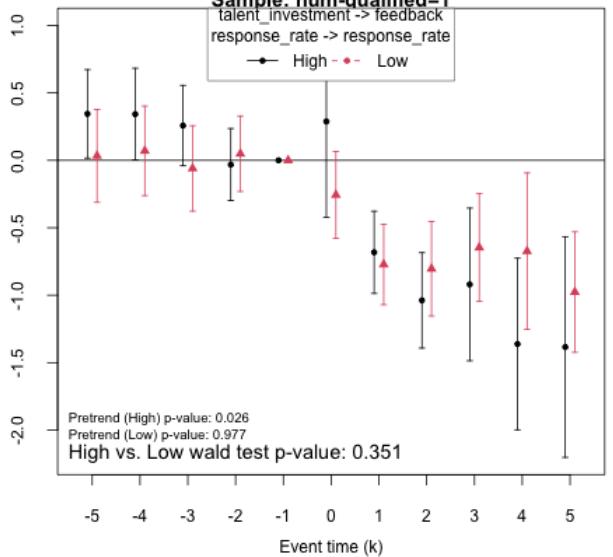
Sample: num-qualified=1

talent\_investment -> feedback  
 response\_rate -> response\_rate  
 ● High ▲ Low

**pull\_request\_merged rolling5**

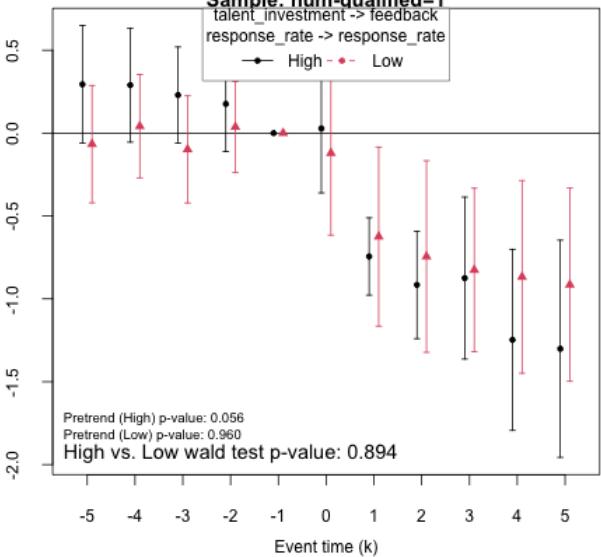
Sample: num-qualified=1

talent\_investment -> feedback  
 response\_rate -> response\_rate  
 ● High ▲ Low

**pull\_request\_opened rolling5**

Sample: num-qualified=1

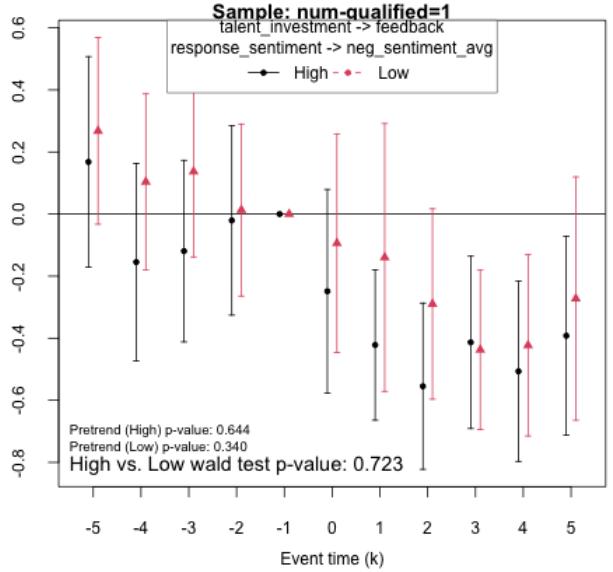
talent\_investment -> feedback  
 response\_rate -> response\_rate  
 ● High ▲ Low



**major\_minor\_release\_count rolling5**

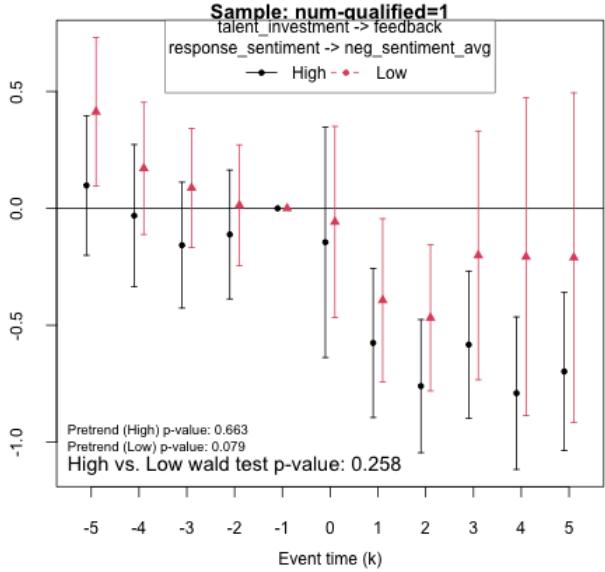
Sample: num-qualified=1

talent\_investment -> feedback  
 response\_sentiment -> neg\_sentiment\_avg  
 ● High ▲ Low

**overall\_new\_release\_count rolling5**

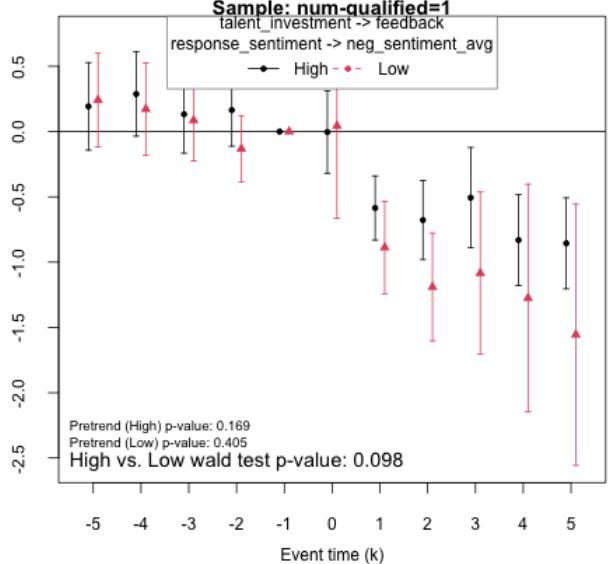
Sample: num-qualified=1

talent\_investment -> feedback  
 response\_sentiment -> neg\_sentiment\_avg  
 ● High ▲ Low

**pull\_request\_merged rolling5**

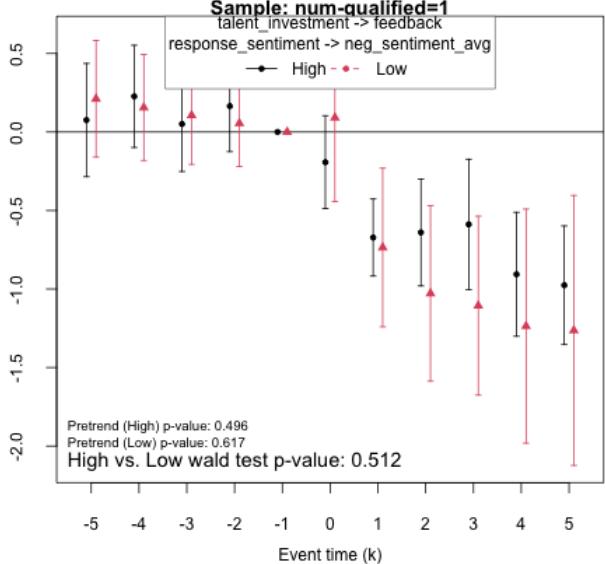
Sample: num-qualified=1

talent\_investment -> feedback  
 response\_sentiment -> neg\_sentiment\_avg  
 ● High ▲ Low

**pull\_request\_opened rolling5**

Sample: num-qualified=1

talent\_investment -> feedback  
 response\_sentiment -> neg\_sentiment\_avg  
 ● High ▲ Low

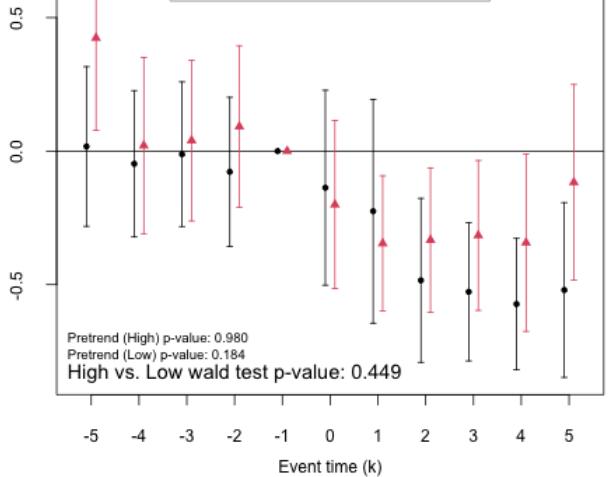


**major\_minor\_release\_count rolling5****Sample: num-qualified=1**

talent\_investment -&gt; feedback

response\_sentiment -&gt; ov\_sentiment\_avg

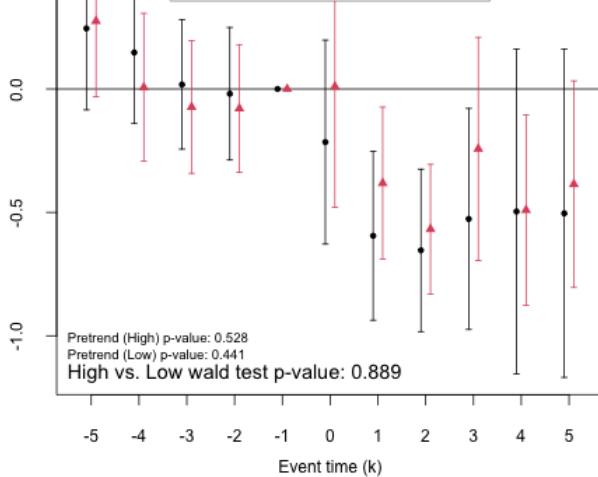
● High ▲ Low

**overall\_new\_release\_count rolling5****Sample: num-qualified=1**

talent\_investment -&gt; feedback

response\_sentiment -&gt; ov\_sentiment\_avg

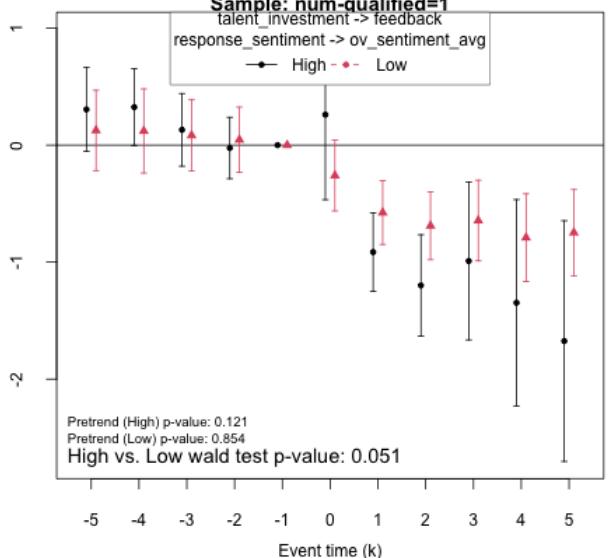
● High ▲ Low

**pull\_request\_merged rolling5****Sample: num-qualified=1**

talent\_investment -&gt; feedback

response\_sentiment -&gt; ov\_sentiment\_avg

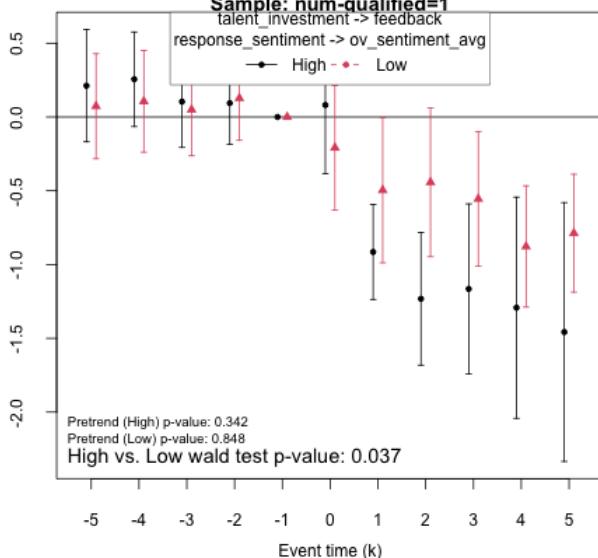
● High ▲ Low

**pull\_request\_opened rolling5****Sample: num-qualified=1**

talent\_investment -&gt; feedback

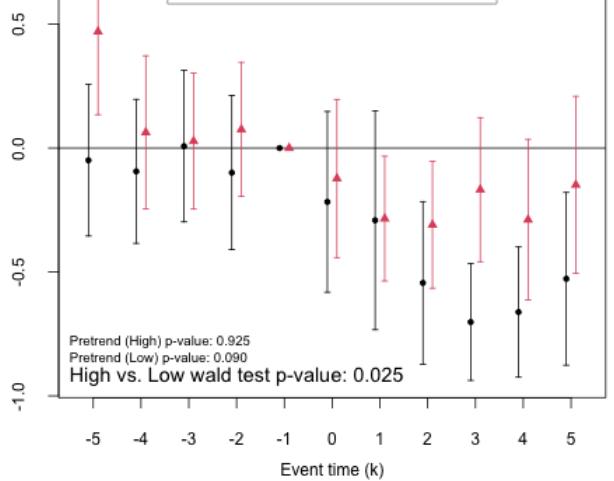
response\_sentiment -&gt; ov\_sentiment\_avg

● High ▲ Low

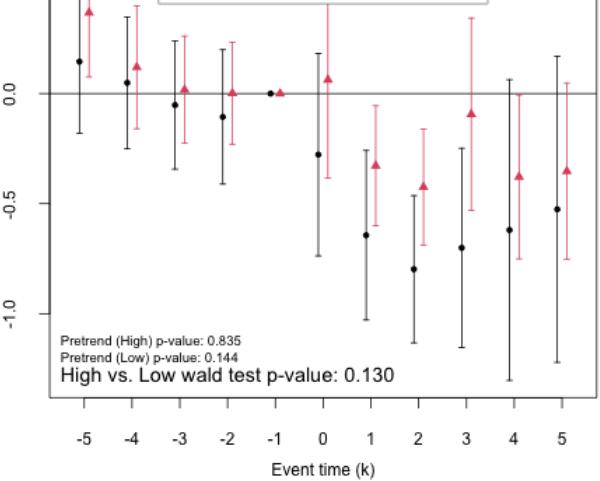


**major\_minor\_release\_count rolling5****Sample: num-qualified=1**talent\_investment -> feedback  
response\_sentiment -> pos\_sentiment\_avg

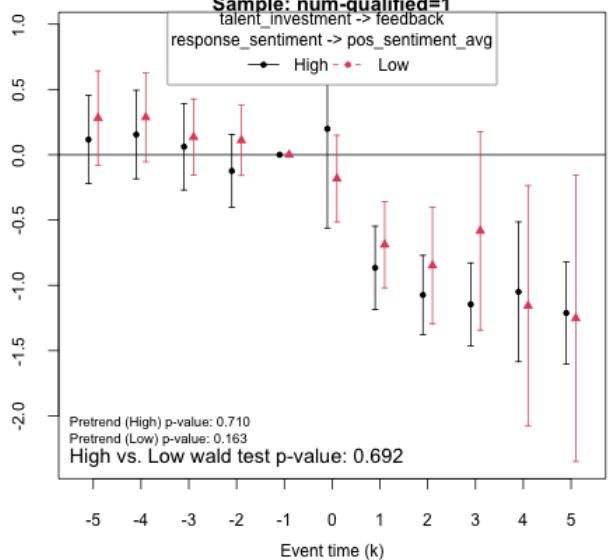
● High ▲ Low

**overall\_new\_release\_count rolling5****Sample: num-qualified=1**talent\_investment -> feedback  
response\_sentiment -> pos\_sentiment\_avg

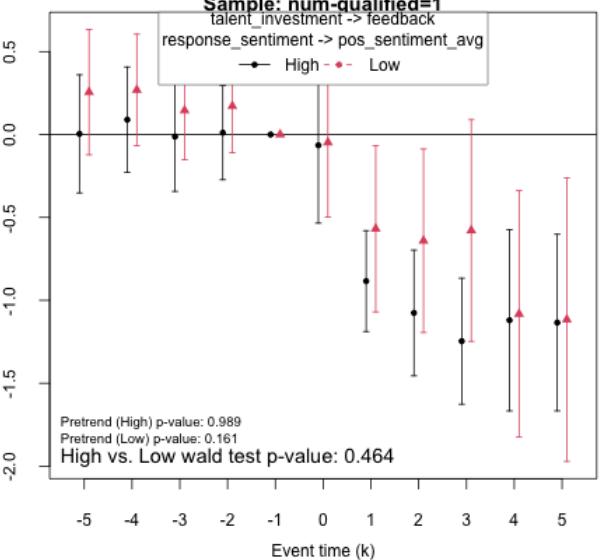
● High ▲ Low

**pull\_request\_merged rolling5****Sample: num-qualified=1**talent\_investment -> feedback  
response\_sentiment -> pos\_sentiment\_avg

● High ▲ Low

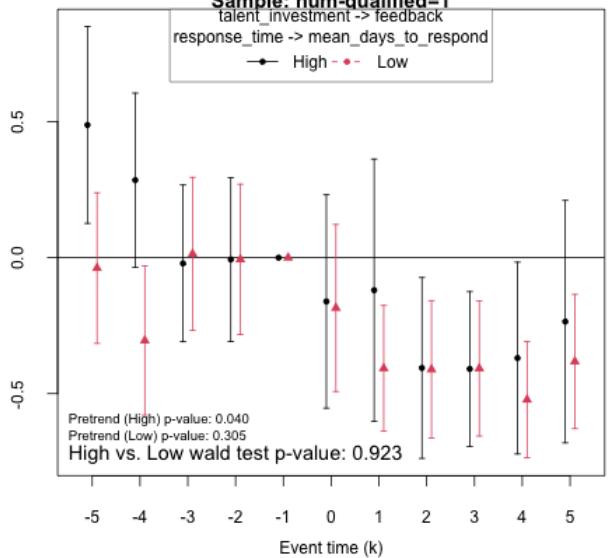
**pull\_request\_opened rolling5****Sample: num-qualified=1**talent\_investment -> feedback  
response\_sentiment -> pos\_sentiment\_avg

● High ▲ Low

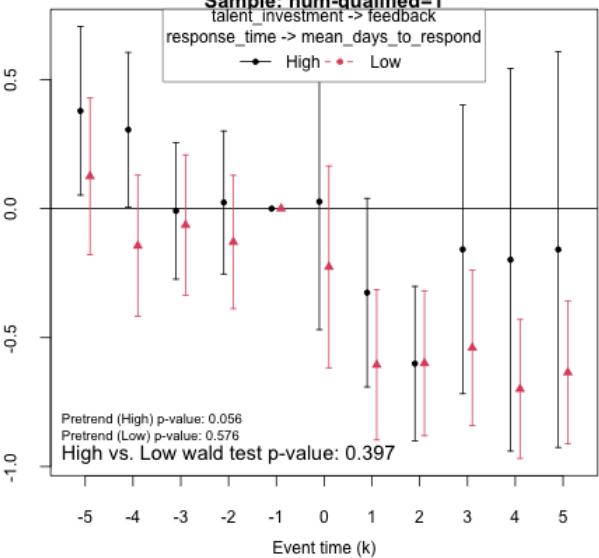


**major\_minor\_release\_count rolling5**

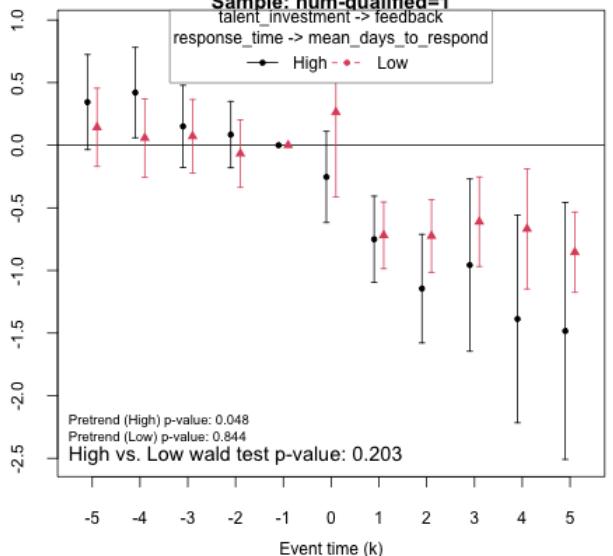
Sample: num-qualified=1

**overall\_new\_release\_count rolling5**

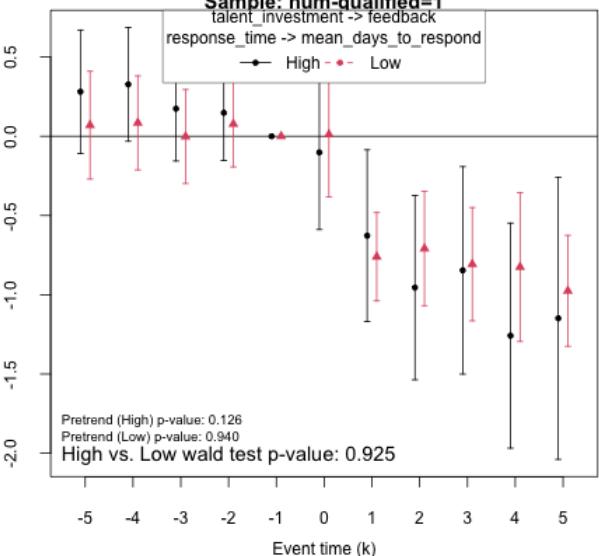
Sample: num-qualified=1

**pull\_request\_merged rolling5**

Sample: num-qualified=1

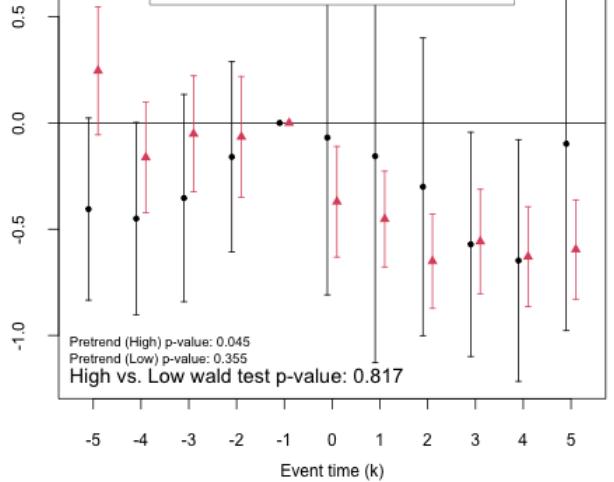
**pull\_request\_opened rolling5**

Sample: num-qualified=1

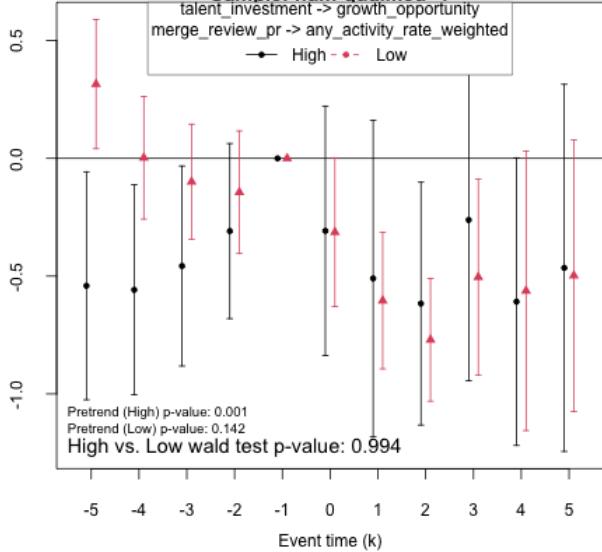


**major\_minor\_release\_count rolling5****Sample: num-qualified=1**talent\_investment->growth\_opportunity  
merge\_review\_pr -> any\_activity\_rate\_weighted

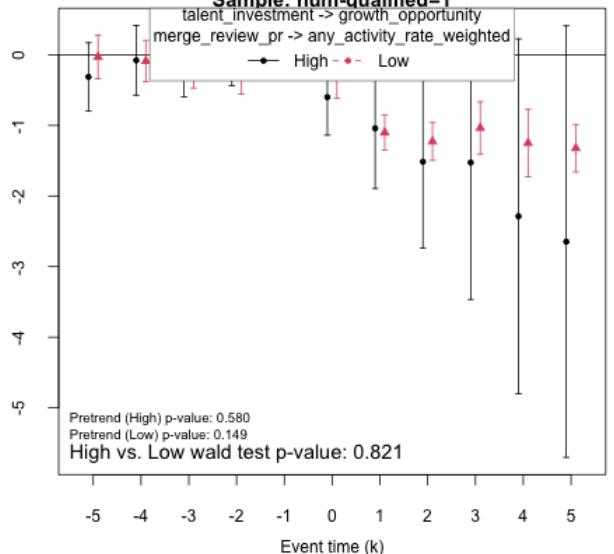
● High ▲ Low

**overall\_new\_release\_count rolling5****Sample: num-qualified=1**talent\_investment->growth\_opportunity  
merge\_review\_pr -> any\_activity\_rate\_weighted

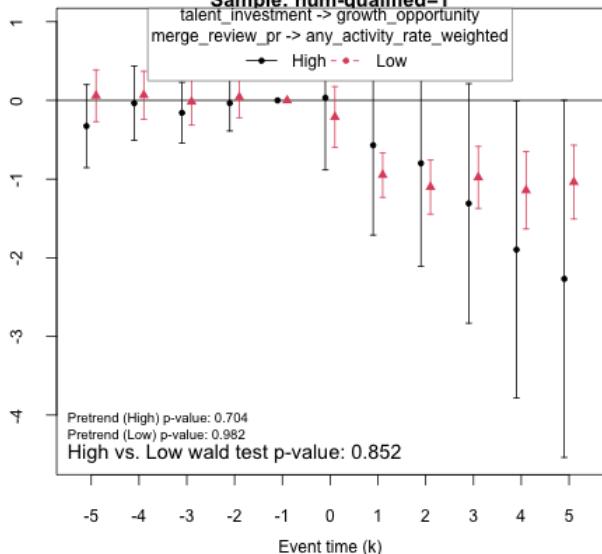
● High ▲ Low

**pull\_request\_merged rolling5****Sample: num-qualified=1**talent\_investment->growth\_opportunity  
merge\_review\_pr -> any\_activity\_rate\_weighted

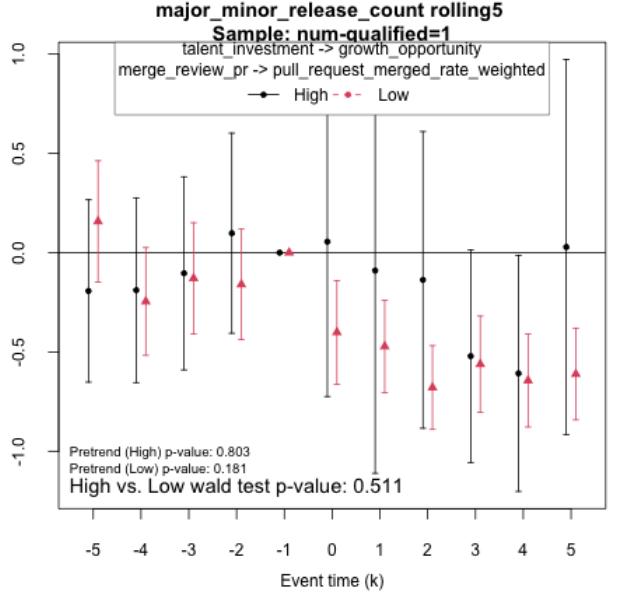
● High ▲ Low

**pull\_request\_opened rolling5****Sample: num-qualified=1**talent\_investment->growth\_opportunity  
merge\_review\_pr -> any\_activity\_rate\_weighted

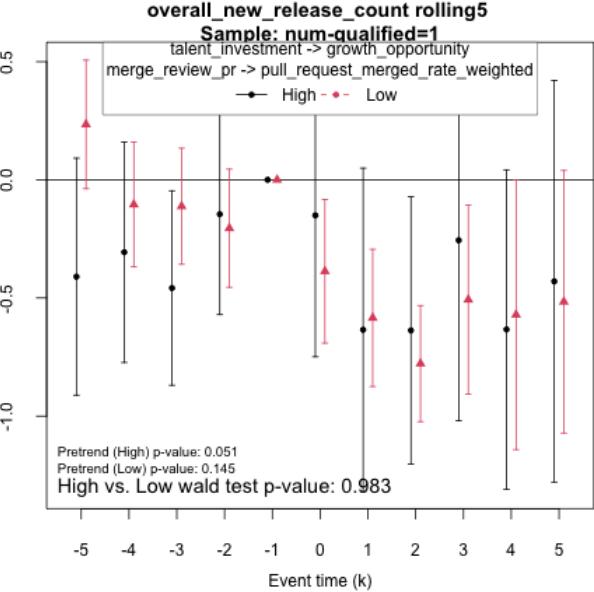
● High ▲ Low



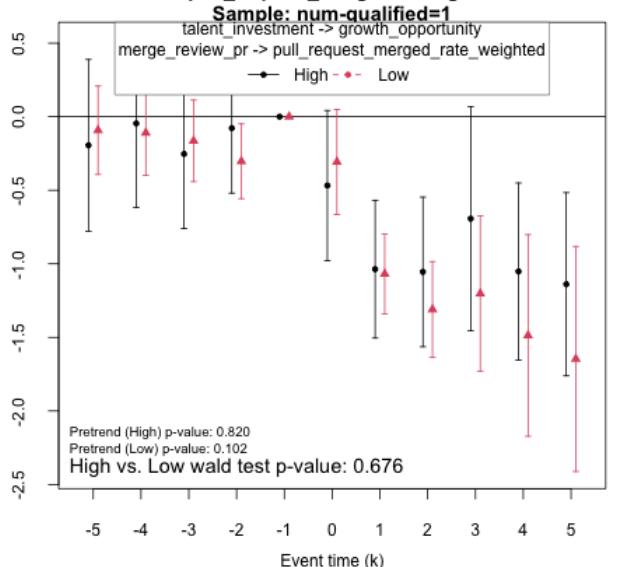
### major\_minor\_release\_count rolling5



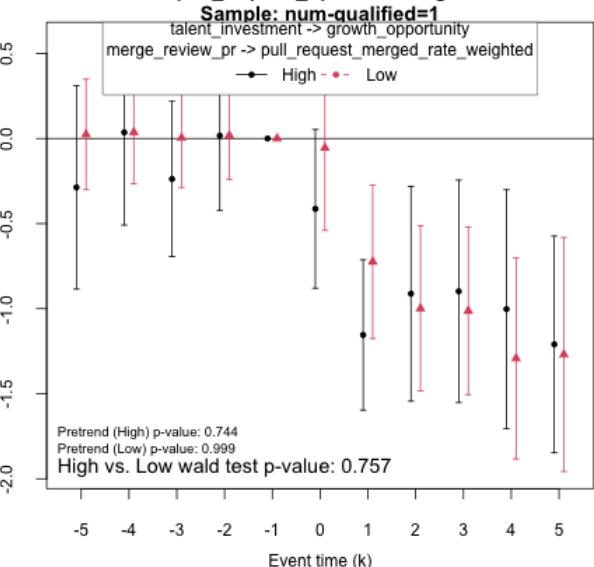
### overall\_new\_release\_count rolling5



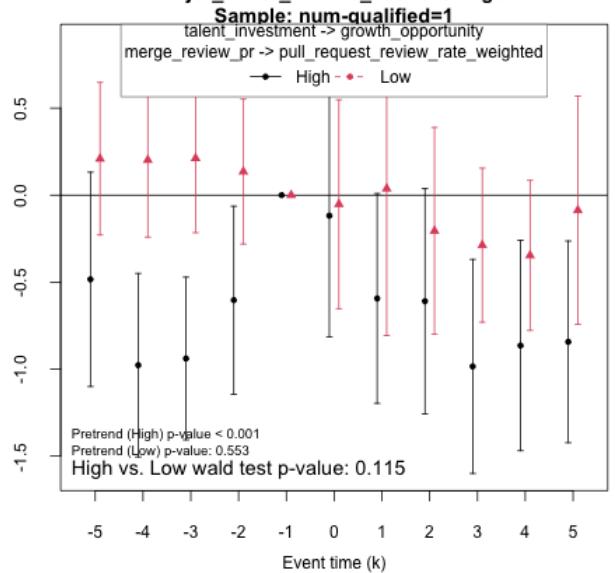
### pull\_request\_merged rolling5



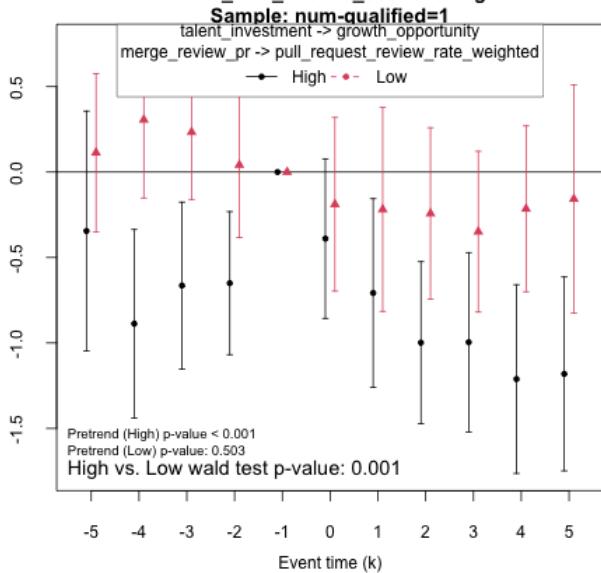
### pull\_request\_opened rolling5



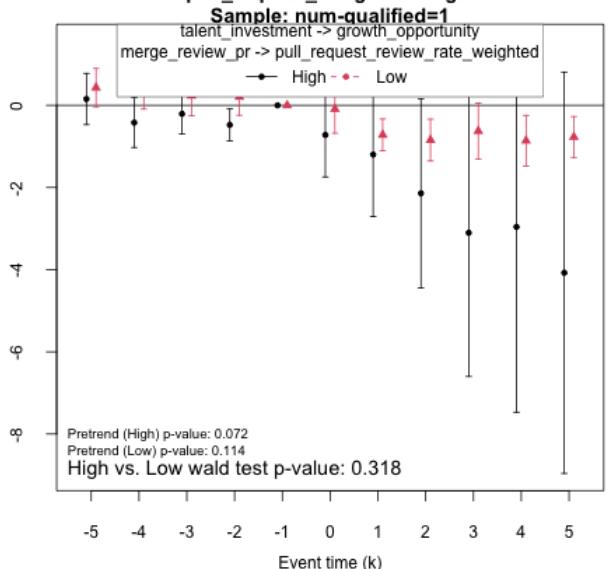
### major\_minor\_release\_count rolling5



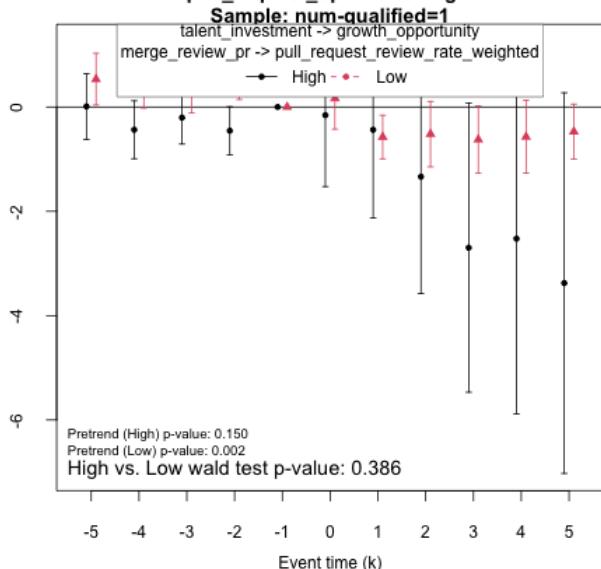
### overall\_new\_release\_count rolling5



### pull\_request\_merged rolling5



### pull\_request\_opened rolling5

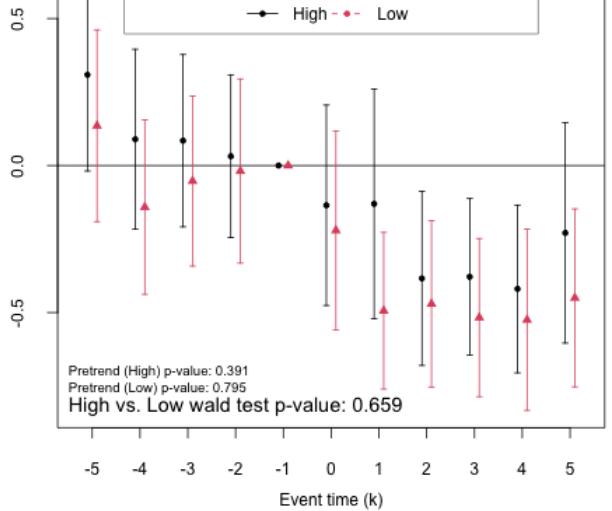


### major\_minor\_release\_count rolling5

Sample: num-qualified=1

talent\_investment -> organizational\_closeness  
network\_clustering\_coefficient -> clustering\_coefficient

● High ▲ Low

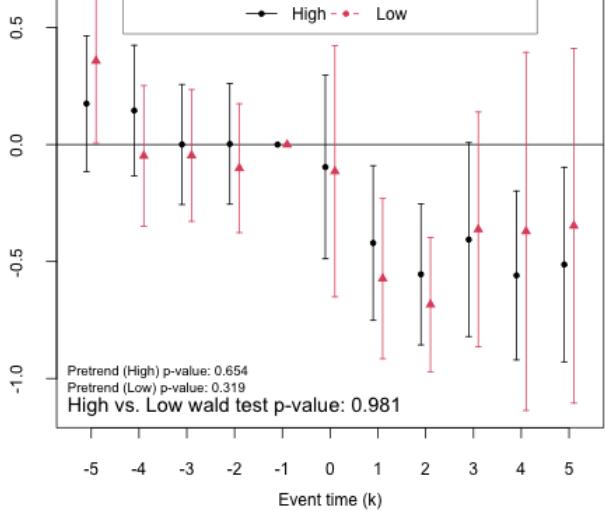


### overall\_new\_release\_count rolling5

Sample: num-qualified=1

talent\_investment -> organizational\_closeness  
network\_clustering\_coefficient -> clustering\_coefficient

● High ▲ Low

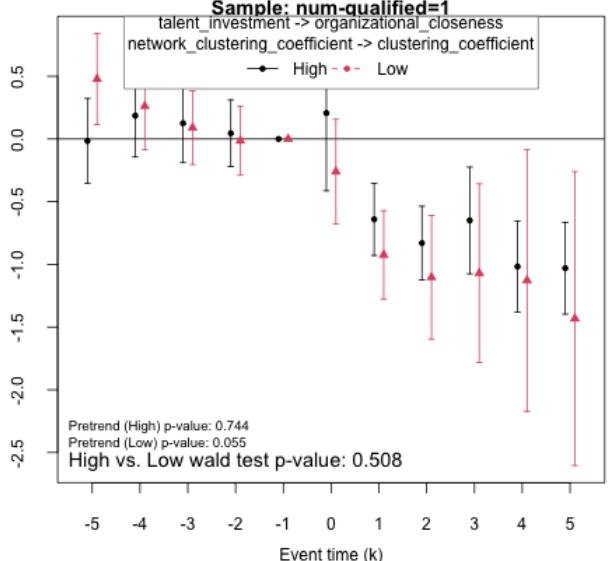


### pull\_request\_merged rolling5

Sample: num-qualified=1

talent\_investment -> organizational\_closeness  
network\_clustering\_coefficient -> clustering\_coefficient

● High ▲ Low



### pull\_request\_opened rolling5

Sample: num-qualified=1

talent\_investment -> organizational\_closeness  
network\_clustering\_coefficient -> clustering\_coefficient

● High ▲ Low

