

# **“LAW AS DATA”**

**Visualizations**

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*Plots*

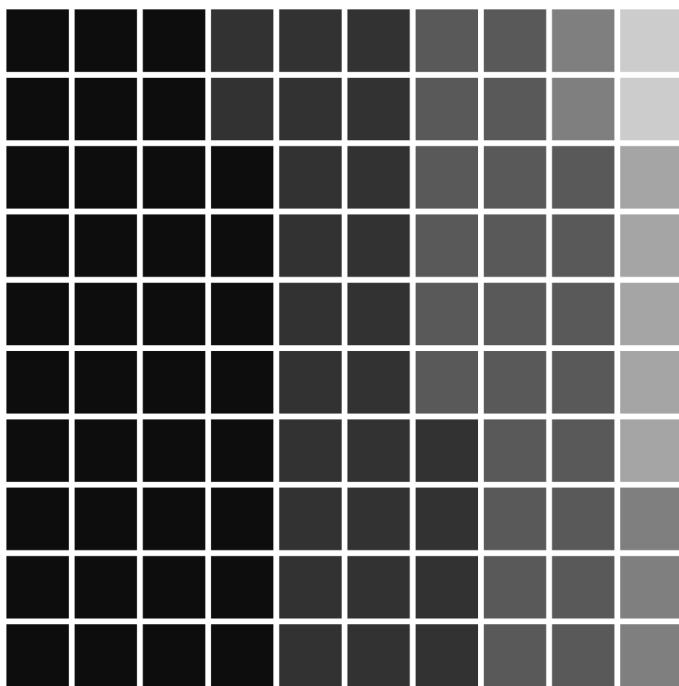
# Alexander

*Alexander*

*Alexander Figure 4*

(Alexander 4)

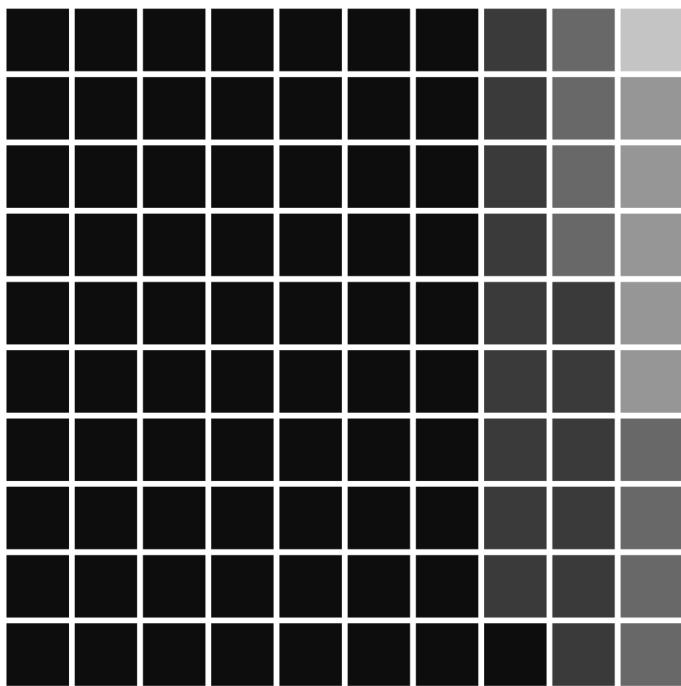
## Version 1 (Claim type)



- Retaliation (38%)
- Sex (26%)
- Race (24%)
- Exemption (5%)
- National origin (5%)
- Religion (2%)
- Color (0%)

(Alexander 4)

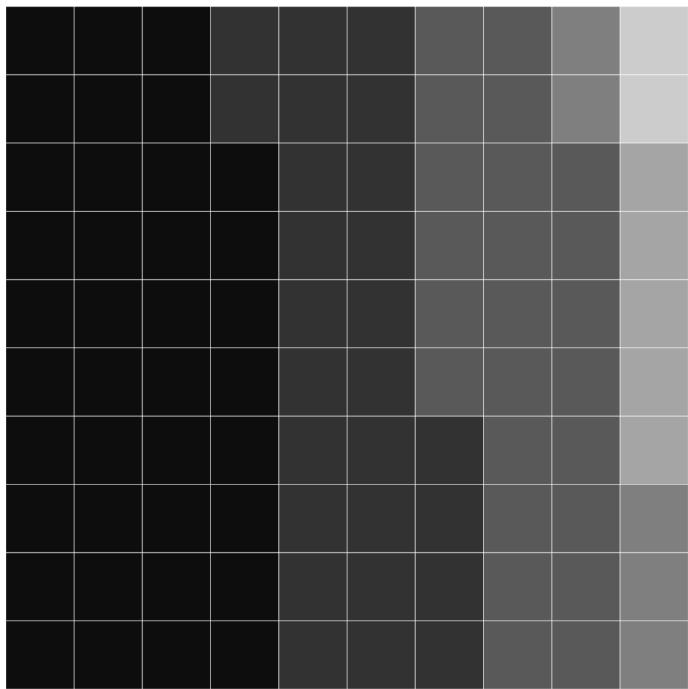
## Version 1 (National origin)



- African American (71%)
- Hispanic/Latino (15%)
- Asian American (8%)
- Indian (5%)
- Middle Eastern (1%)
- Native American (0.1%)

(Alexander 4)

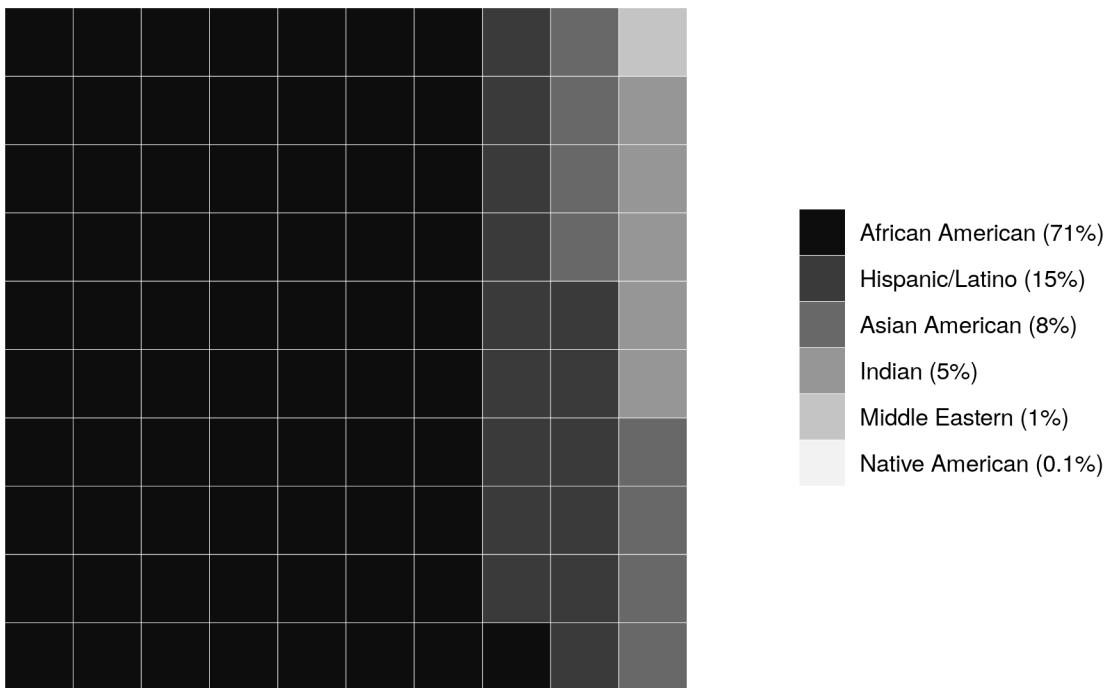
## Version 2 (Claim type)



- Retaliation (38%)
- Sex (26%)
- Race (24%)
- Exemption (5%)
- National origin (5%)
- Religion (2%)
- Color (0%)

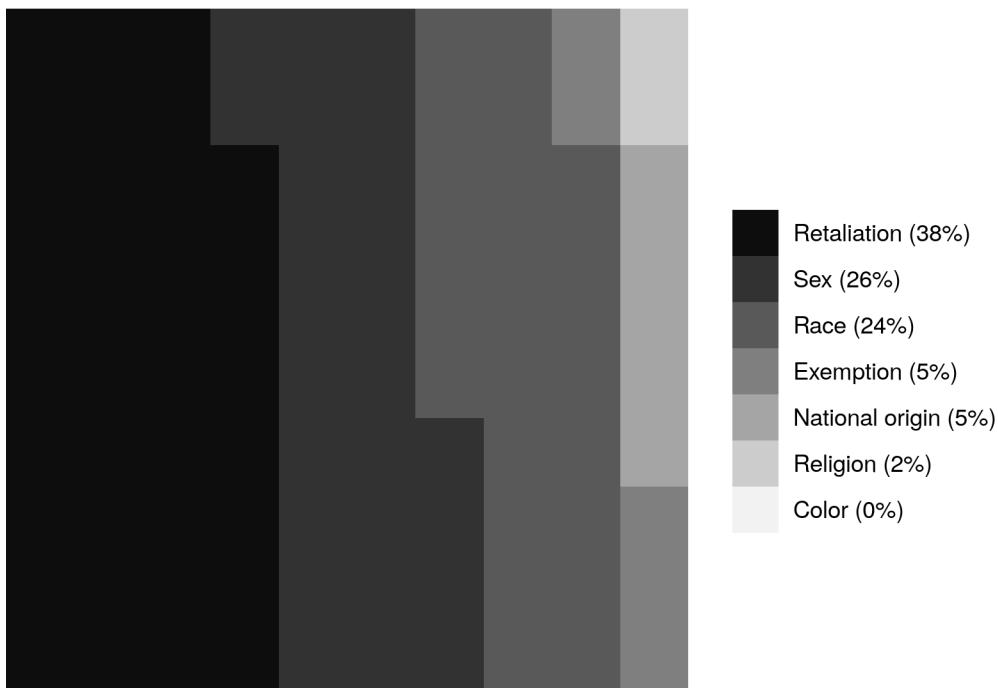
(Alexander 4)

## Version 2 (National origin)



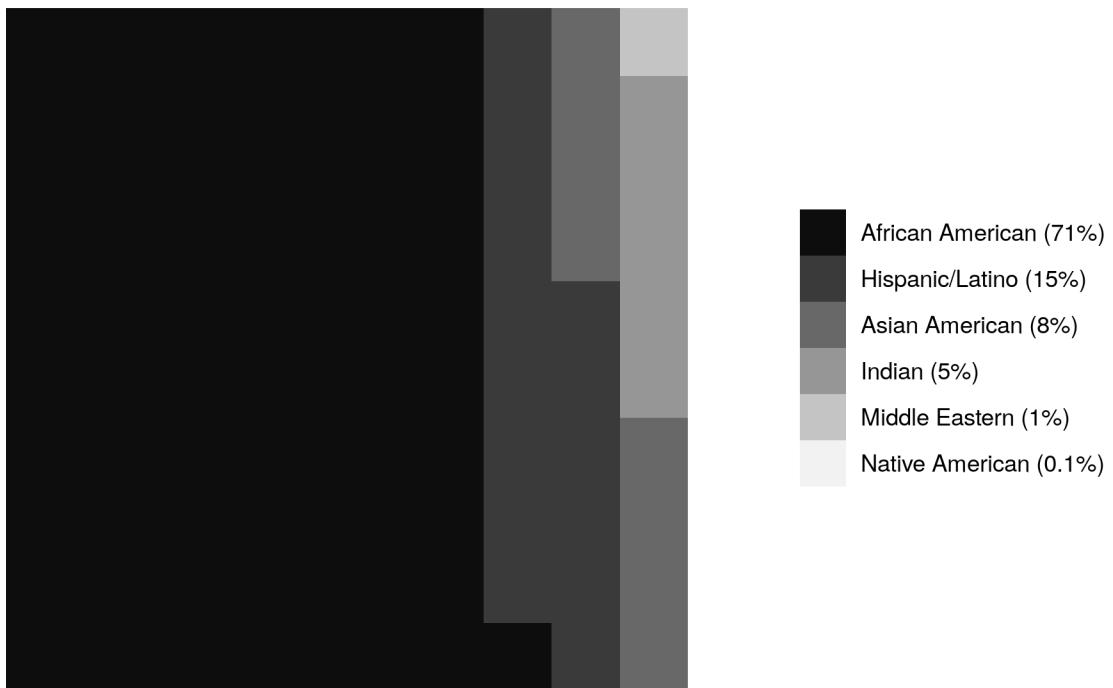
(Alexander 4)

## Version 3 (Claim type)



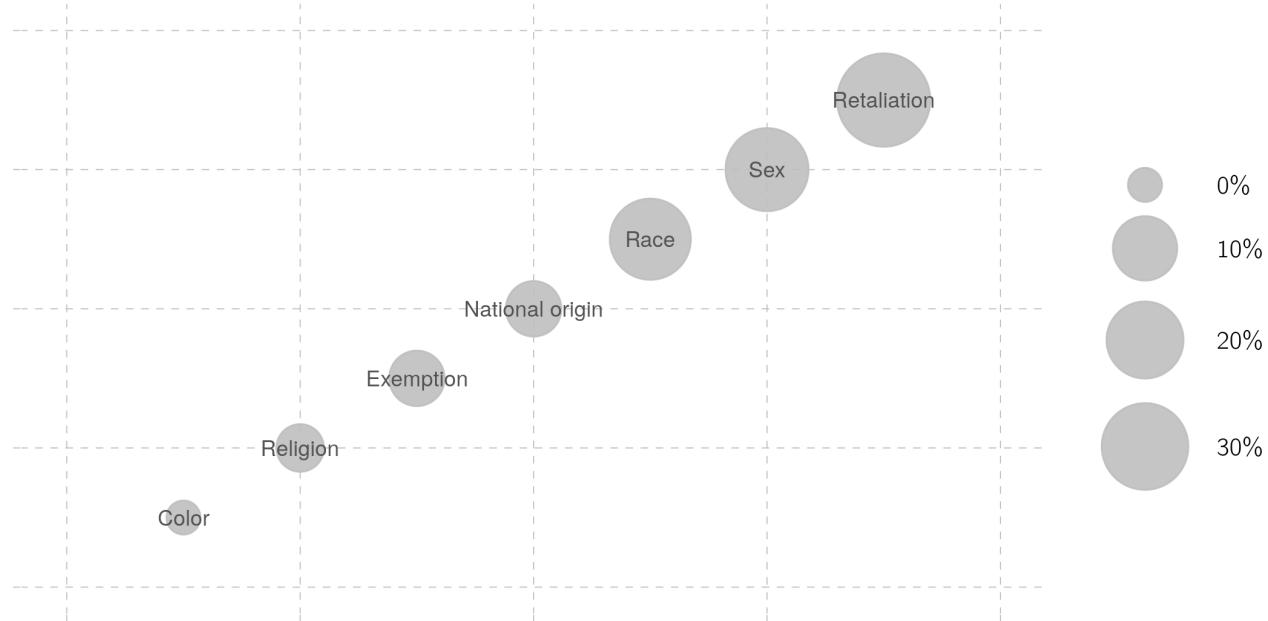
(Alexander 4)

## Version 3 (National origin)



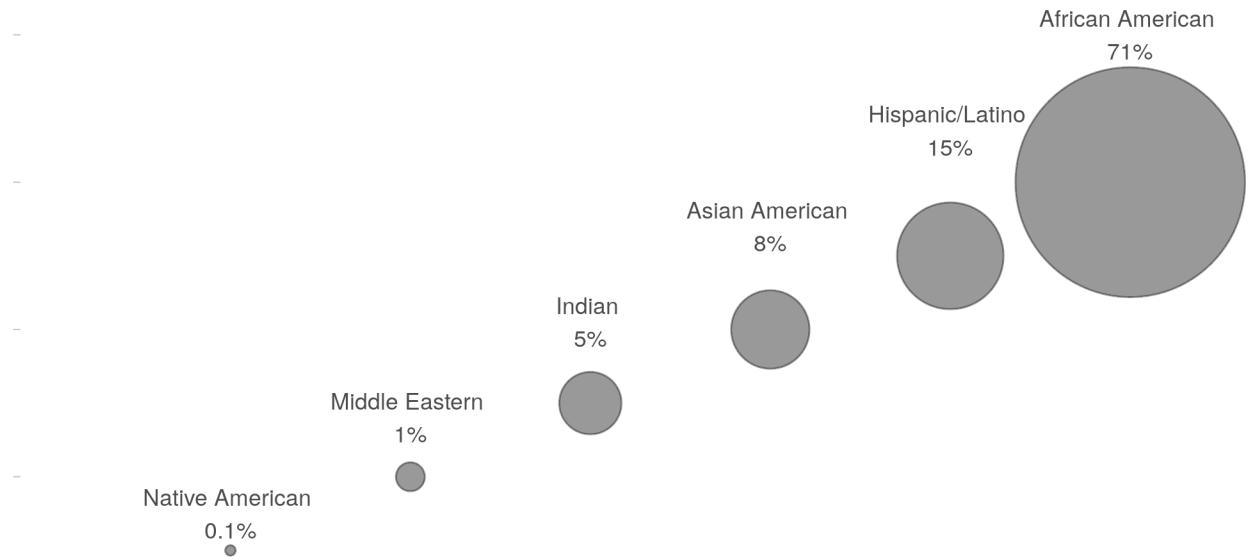
(Alexander 4)

### Version 4 (Claim type)



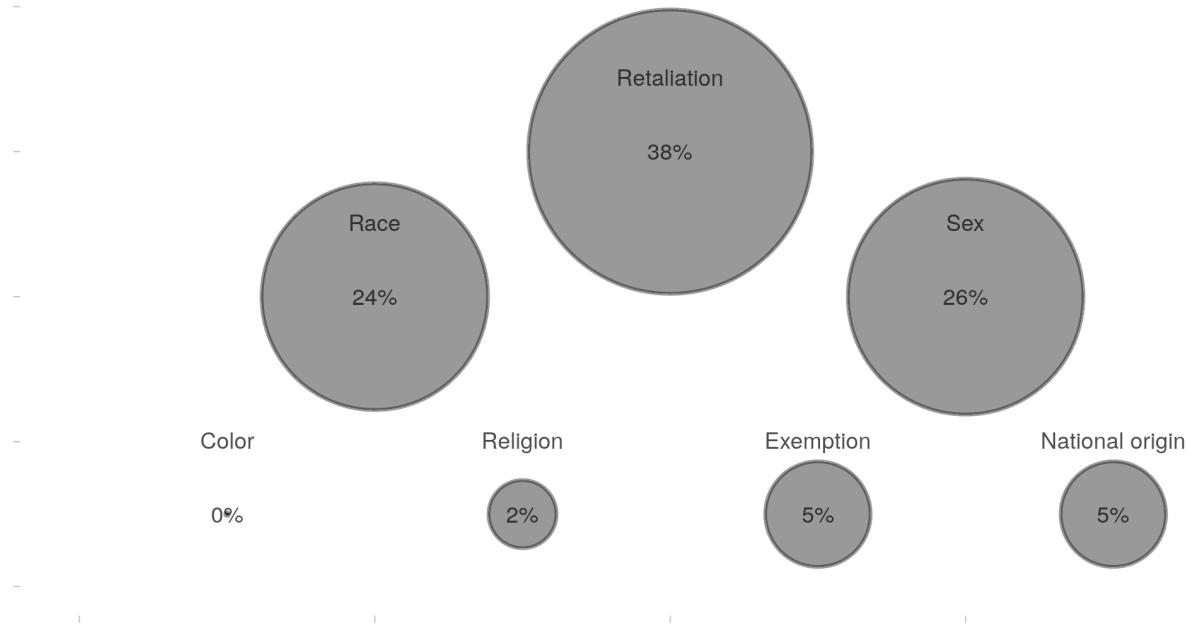
(Alexander 4)

## Version 4 (National origin)



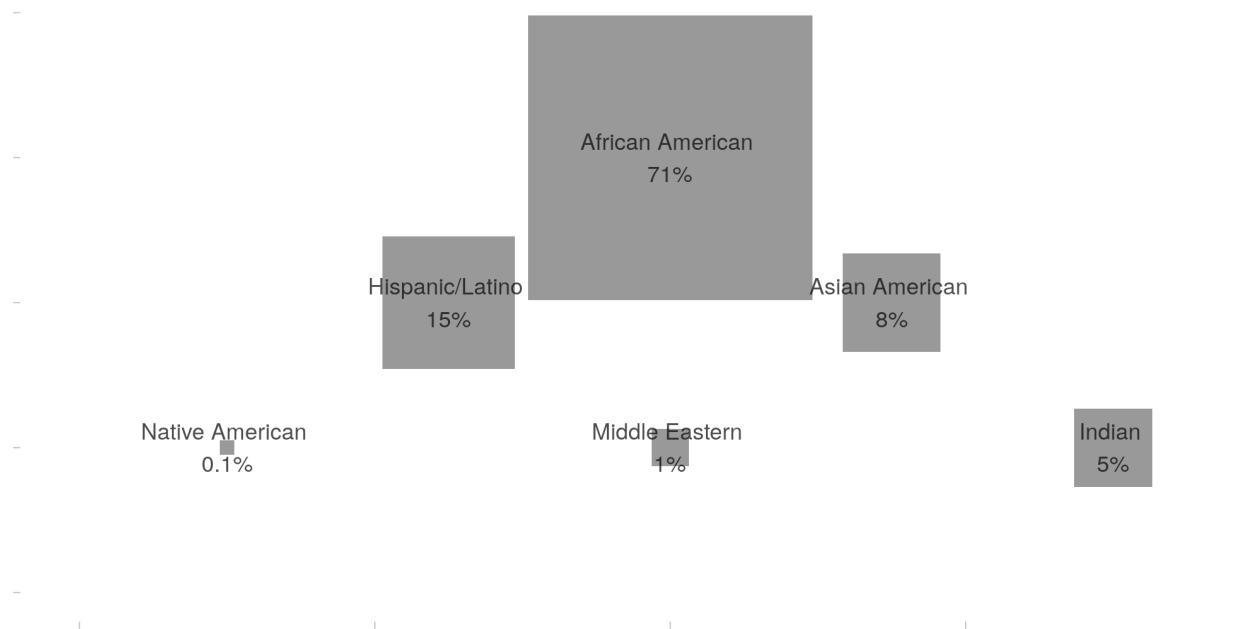
(Alexander 4)

Version 5 (Claim type)



**(Alexander 4)**

## Version 5 (National origin)



**(Alexander 4)**

## Version 6 (Claim type)

-



-

National origin

-

5%

Race

24%

Sex

26%

-

Color

-

0%

Religion

-

2%

Exemption

-

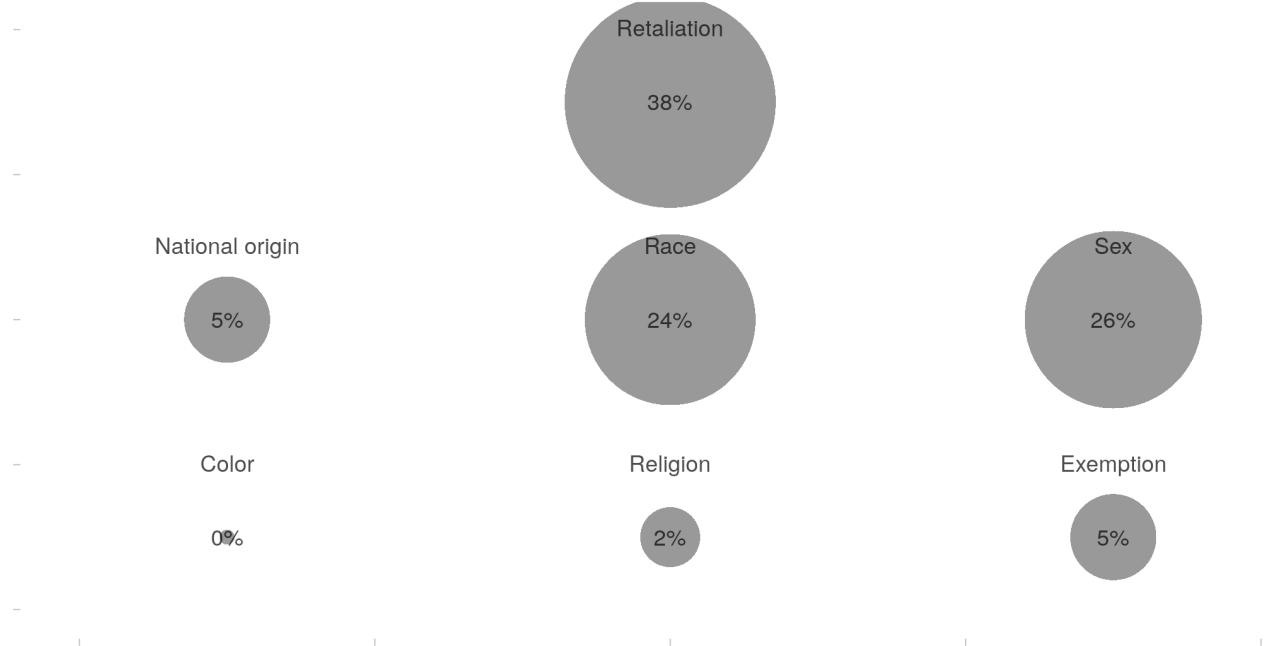
5%

-

-

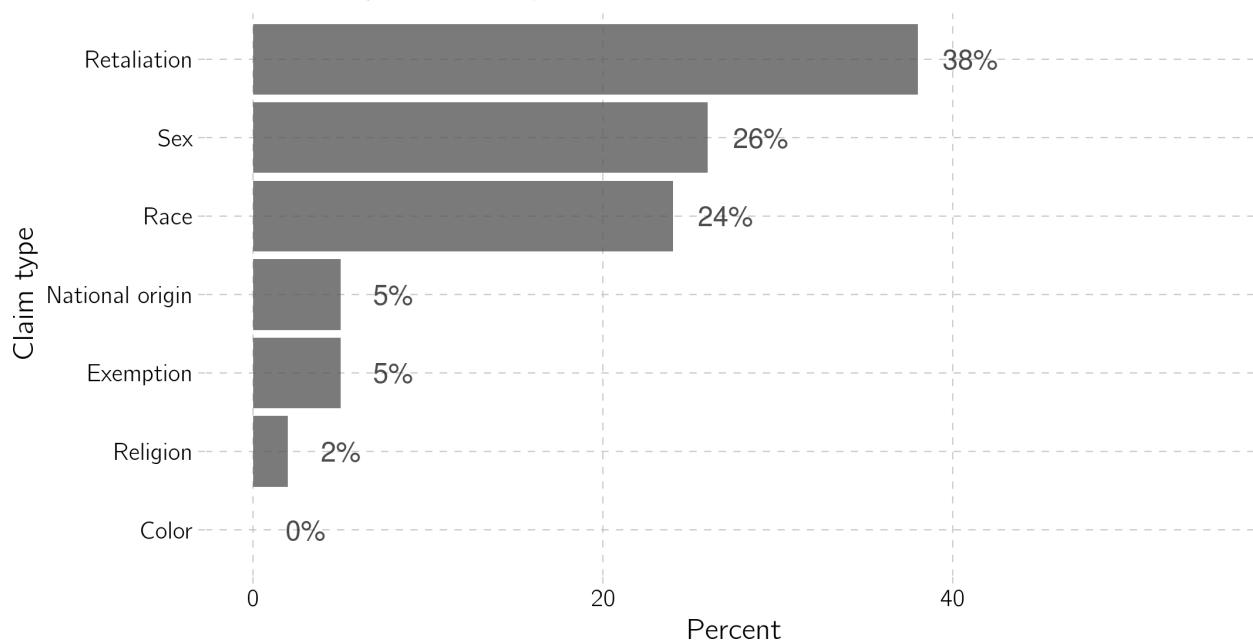
**(Alexander 4)**

Version 7 (Claim type)



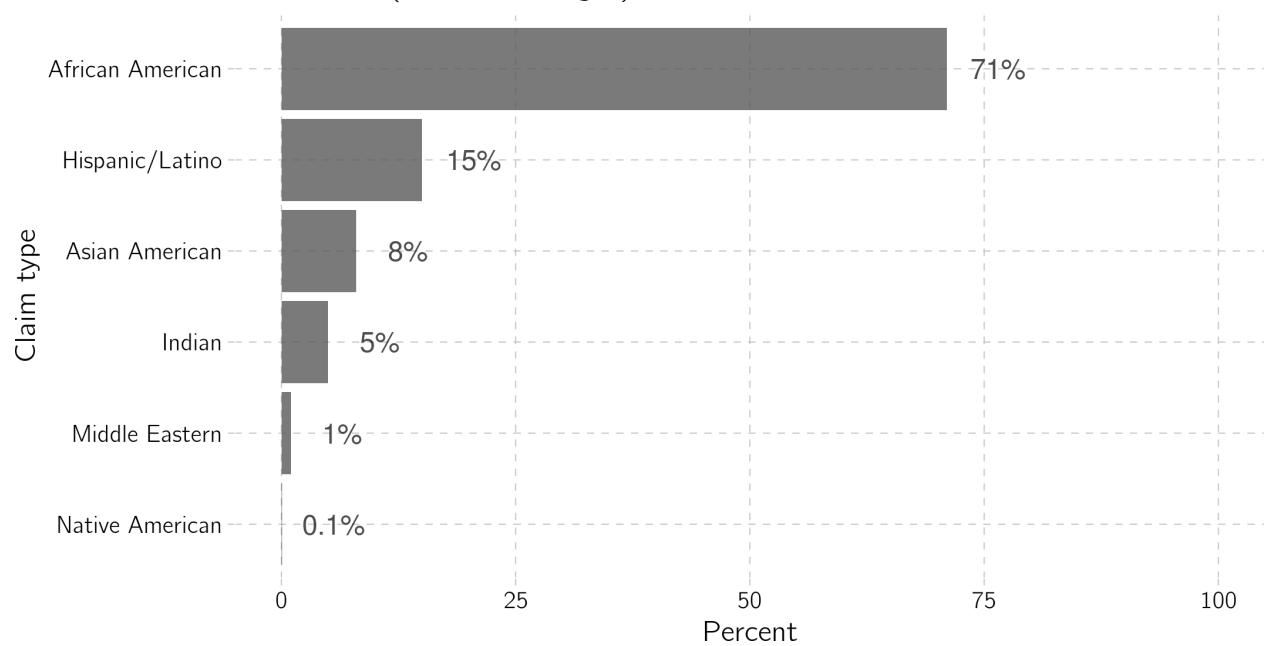
(Alexander 4)

Version 8 (Claim type)

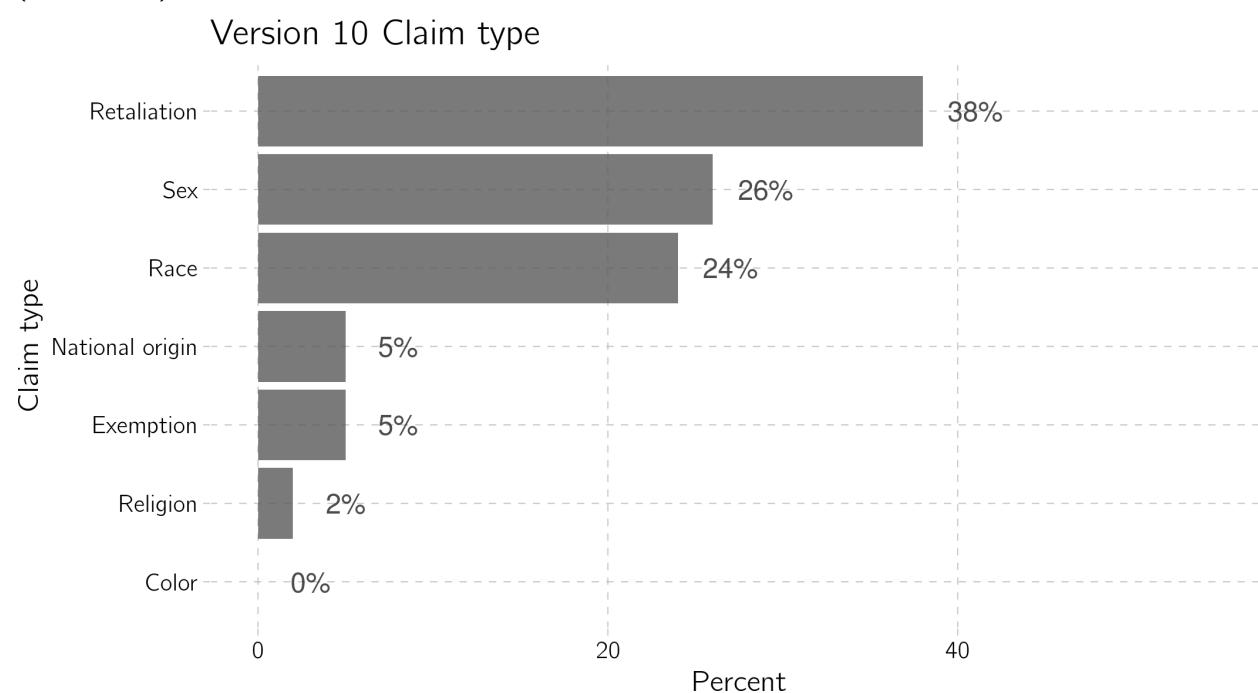


(Alexander 4)

### Version 9 (National origin)

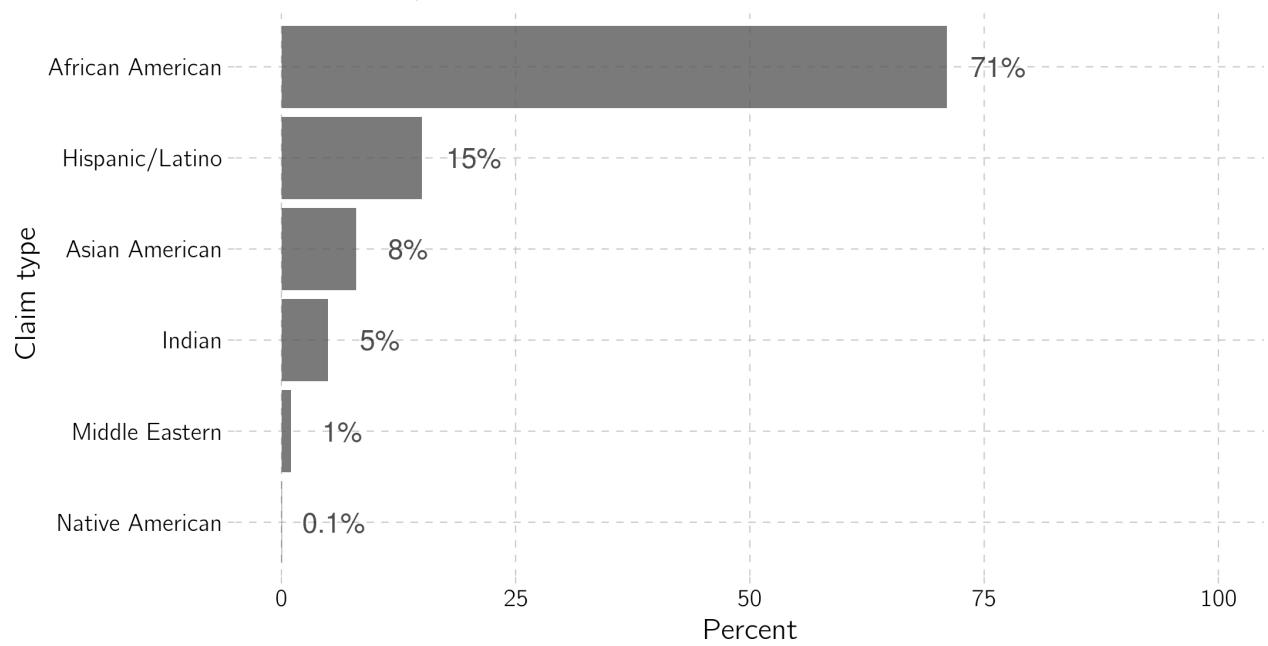


(Alexander 4)



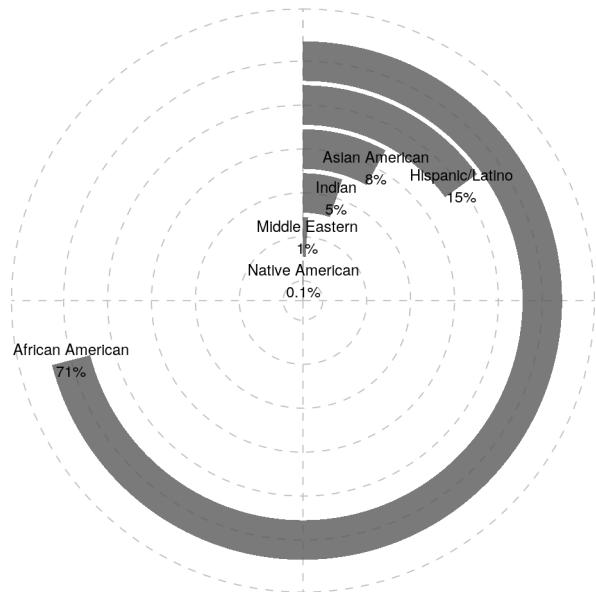
(Alexander 4)

### Version 10 (National origin)



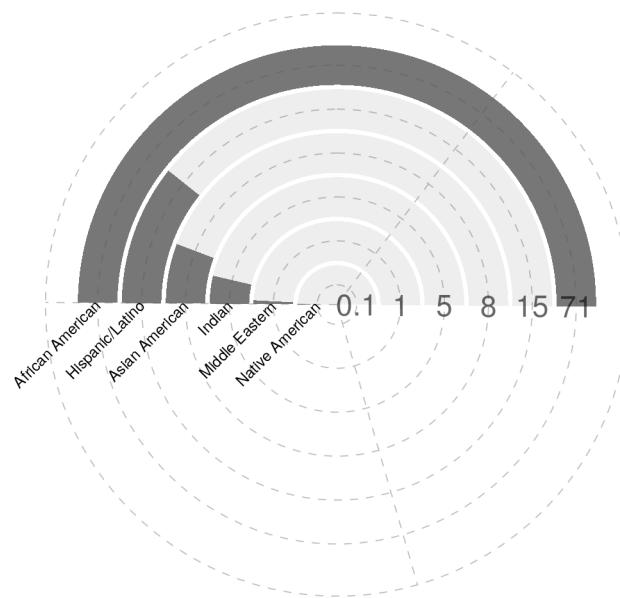
(Alexander 4)

Version 17



(Alexander 4)

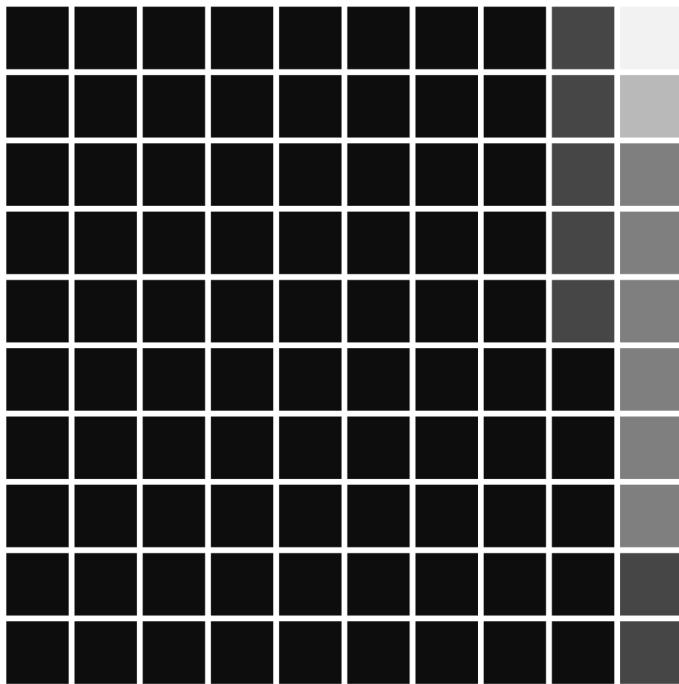
Version 18



Alexander Figure 7

(Alexander 7)

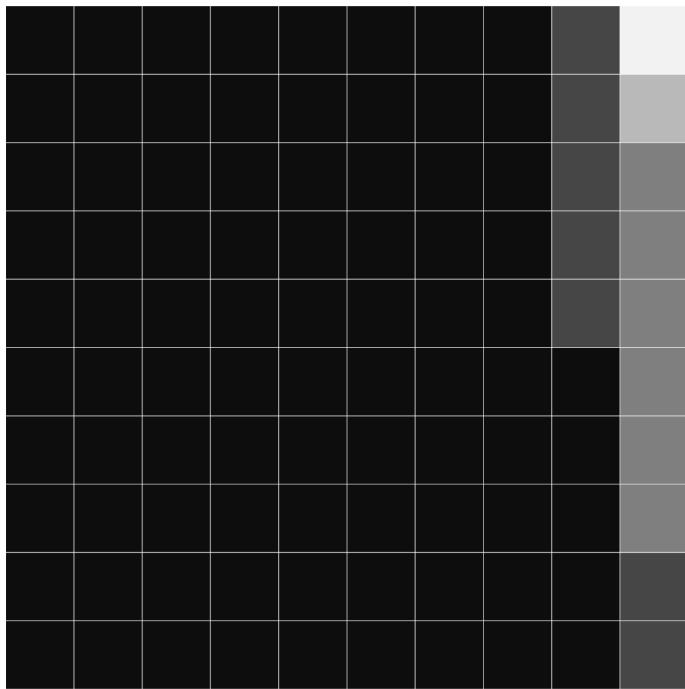
## Version 1



- Adopted (85%)
- Partial (7%)
- Unknown (6%)
- Rejected (1%)
- Other (1%)

(Alexander 7)

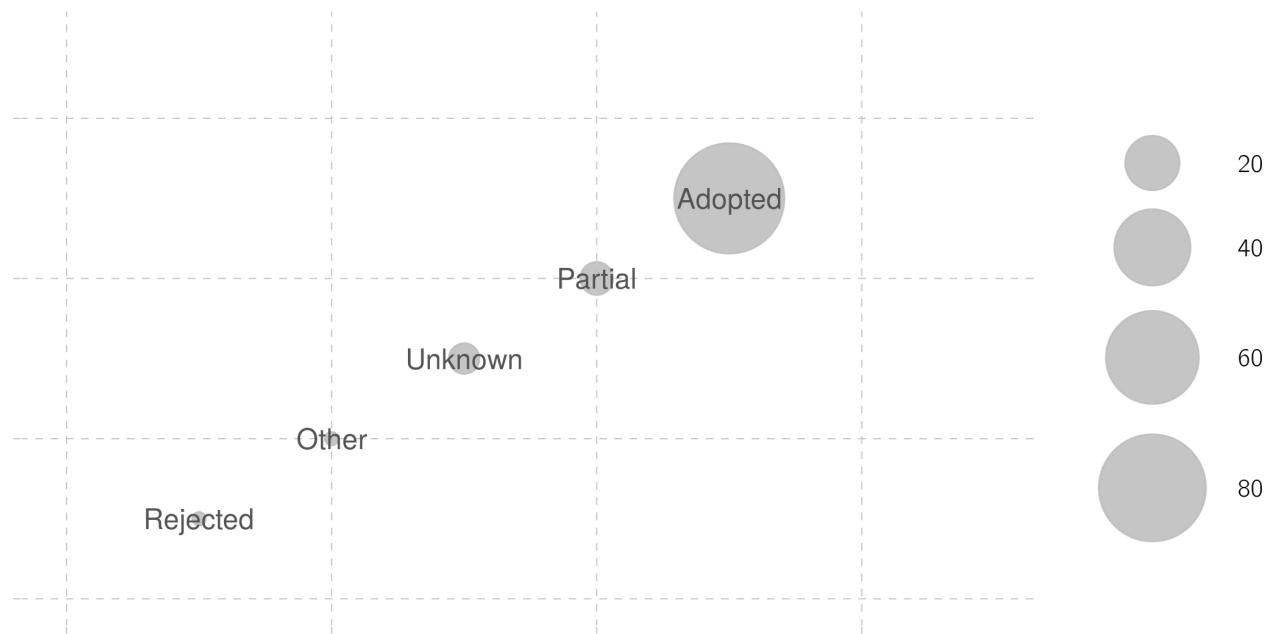
## Version 2



- Adopted (85%)
- Partial (7%)
- Unknown (6%)
- Rejected (1%)
- Other (1%)

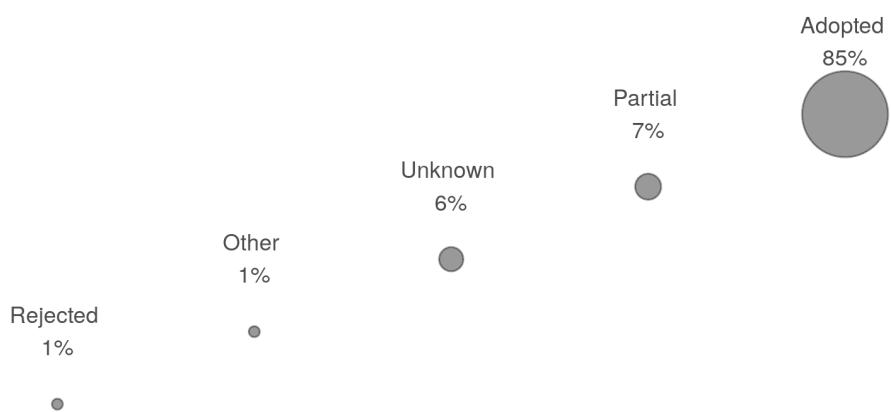
(Alexander 7)

Version 3



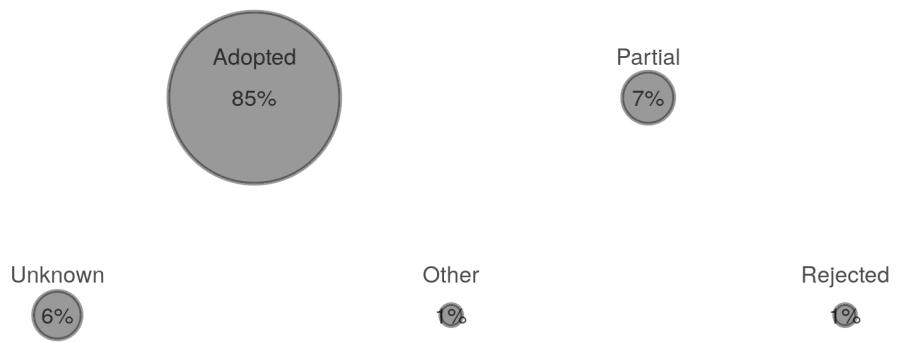
(Alexander 7)

Version 4



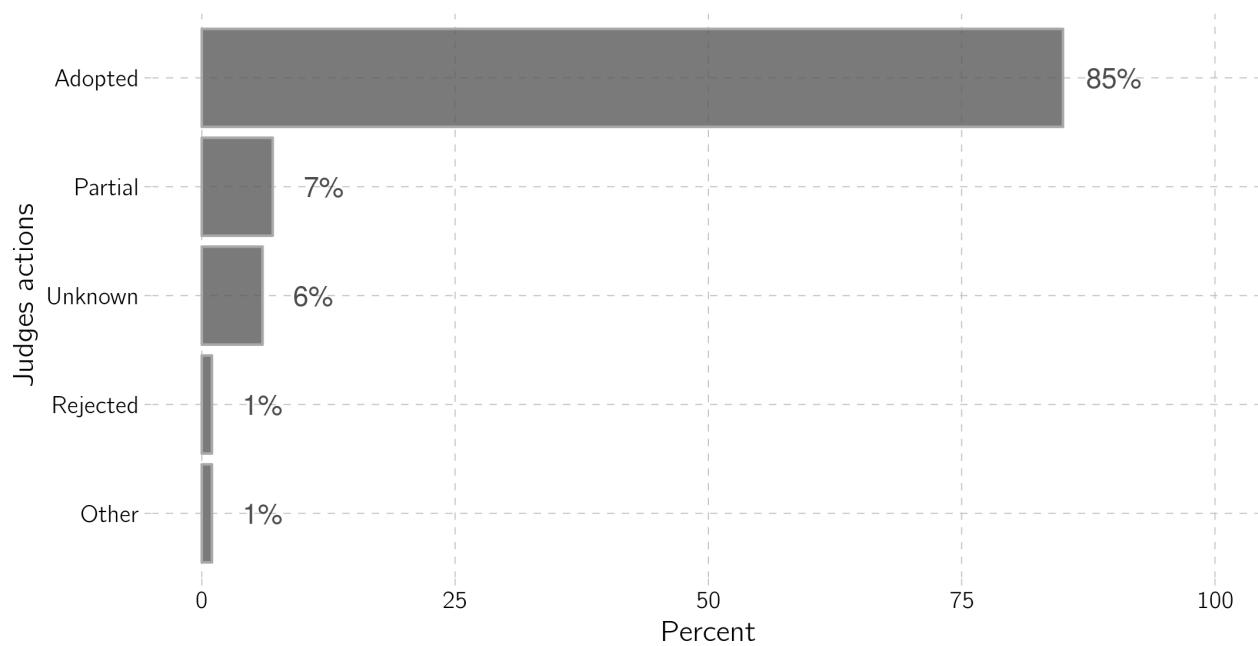
(Alexander 7)

Version 5



(Alexander 7)

Version 6



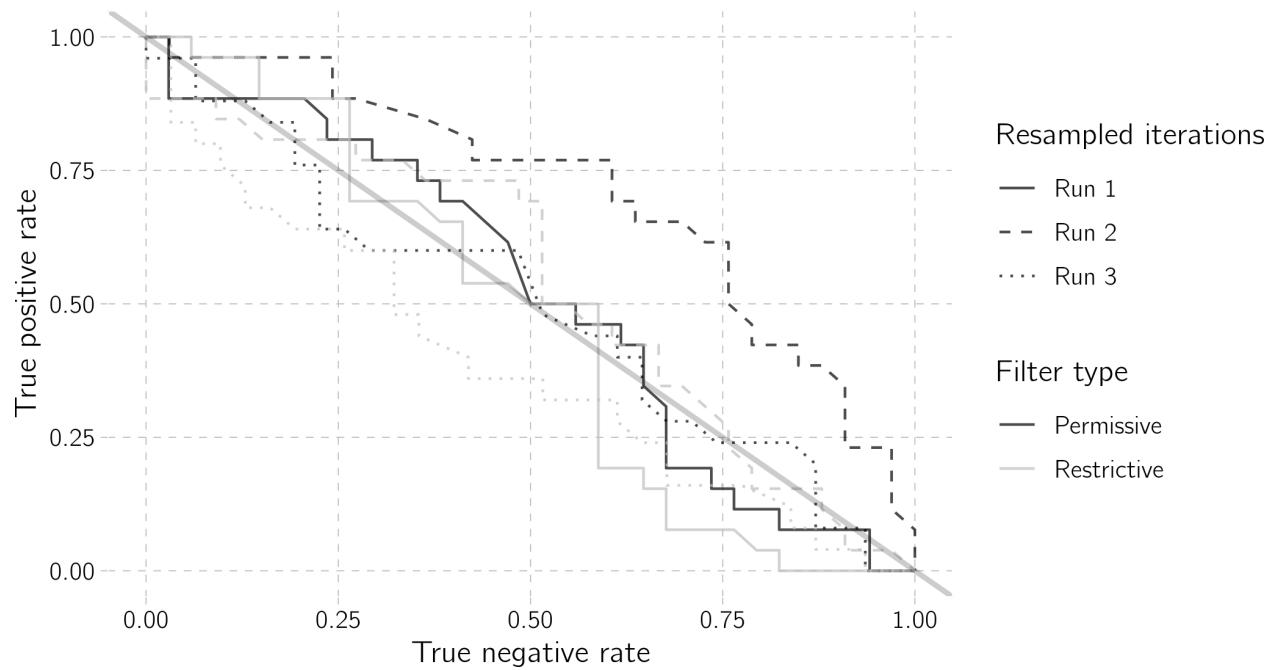
# Dumas

*Dumas*

*Dumas Figure 1*

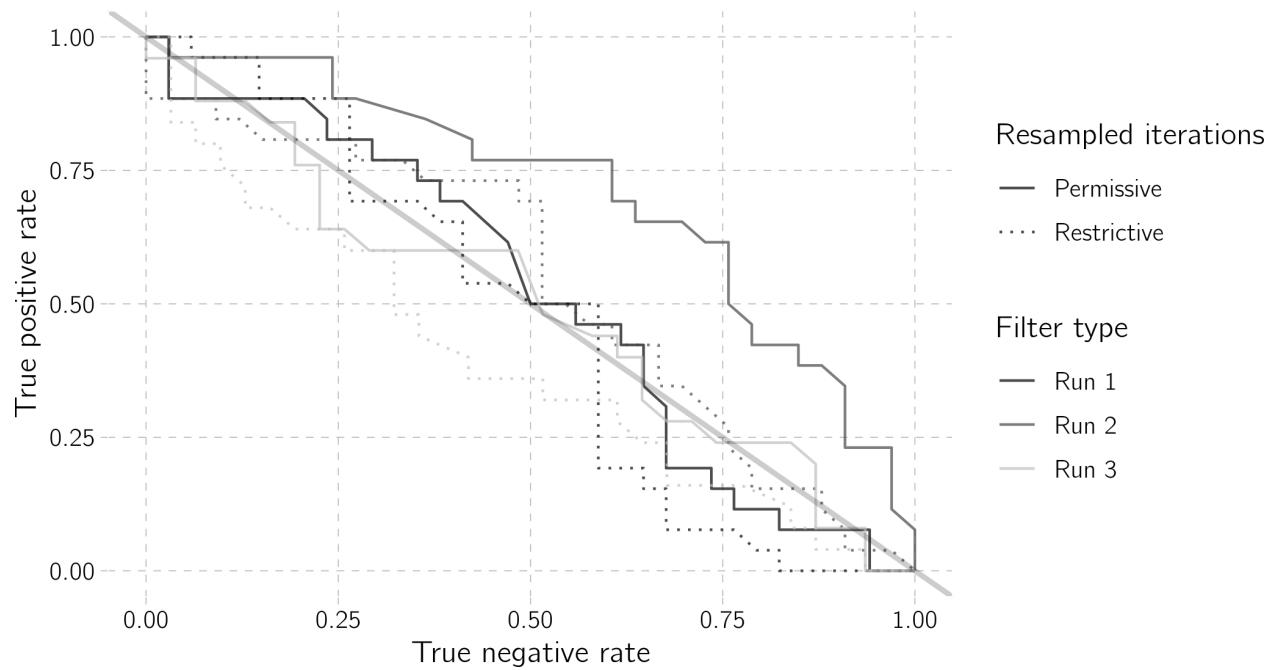
(Dumas 1)

Version 1



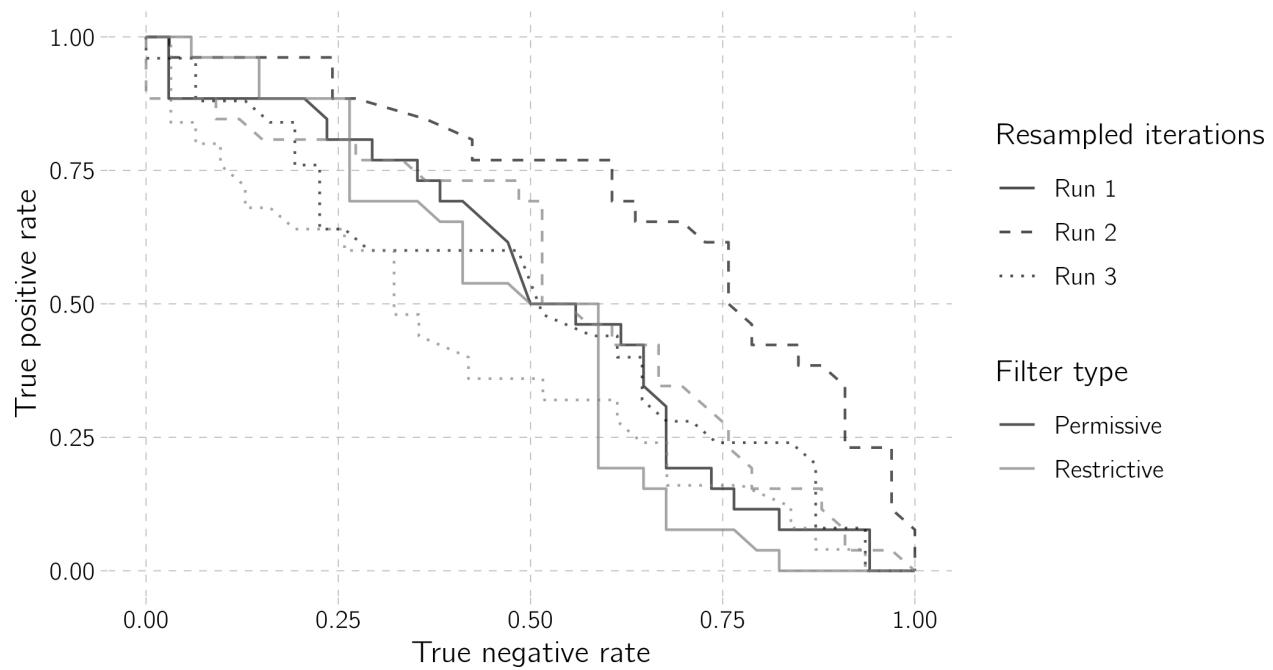
(Dumas 1)

Version 2



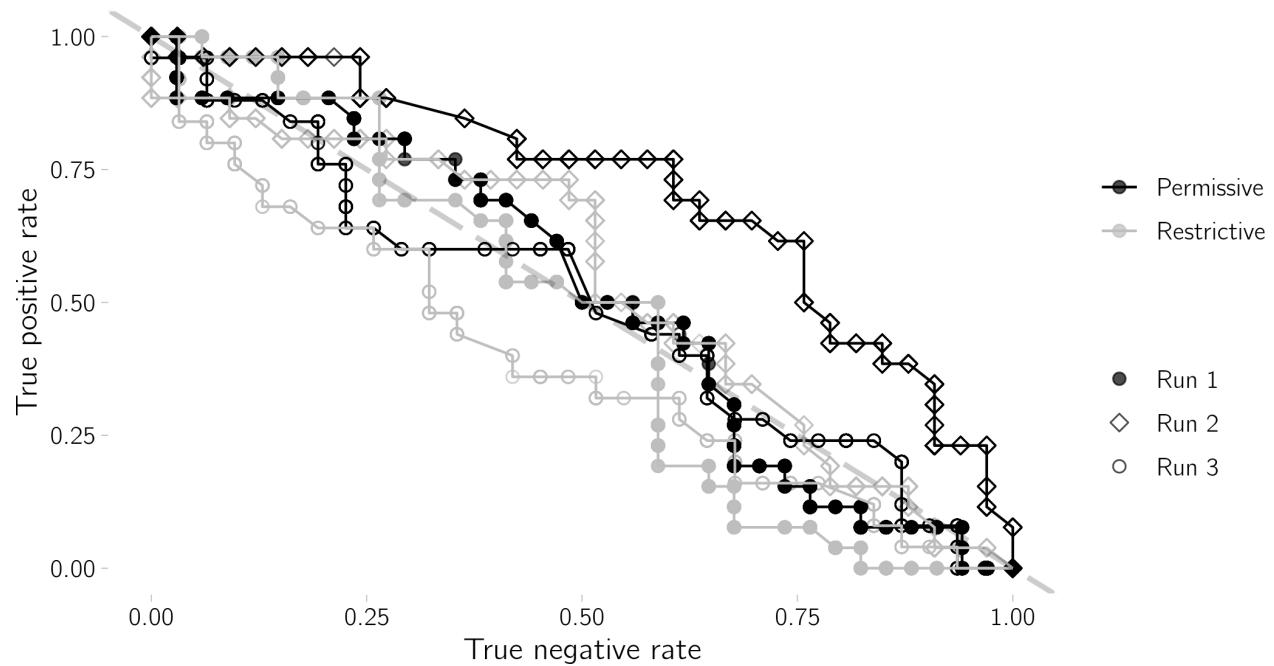
(Dumas 1)

Version 3



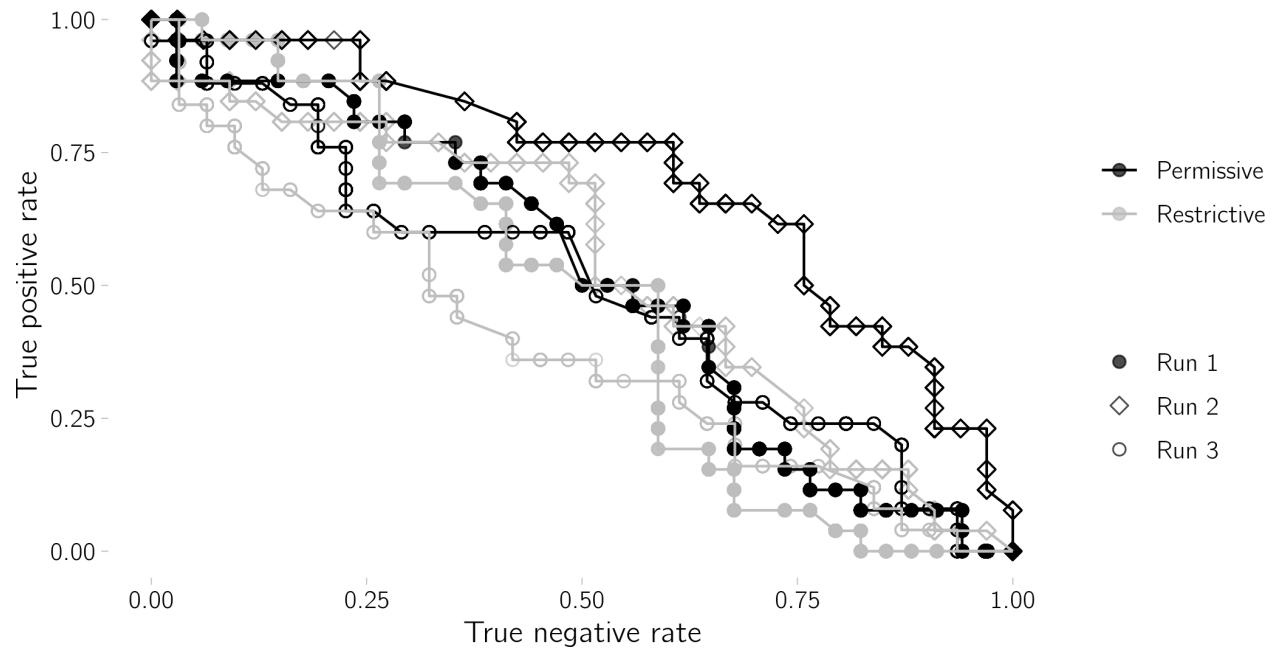
(Dumas 1)

Version 4



(Dumas 1)

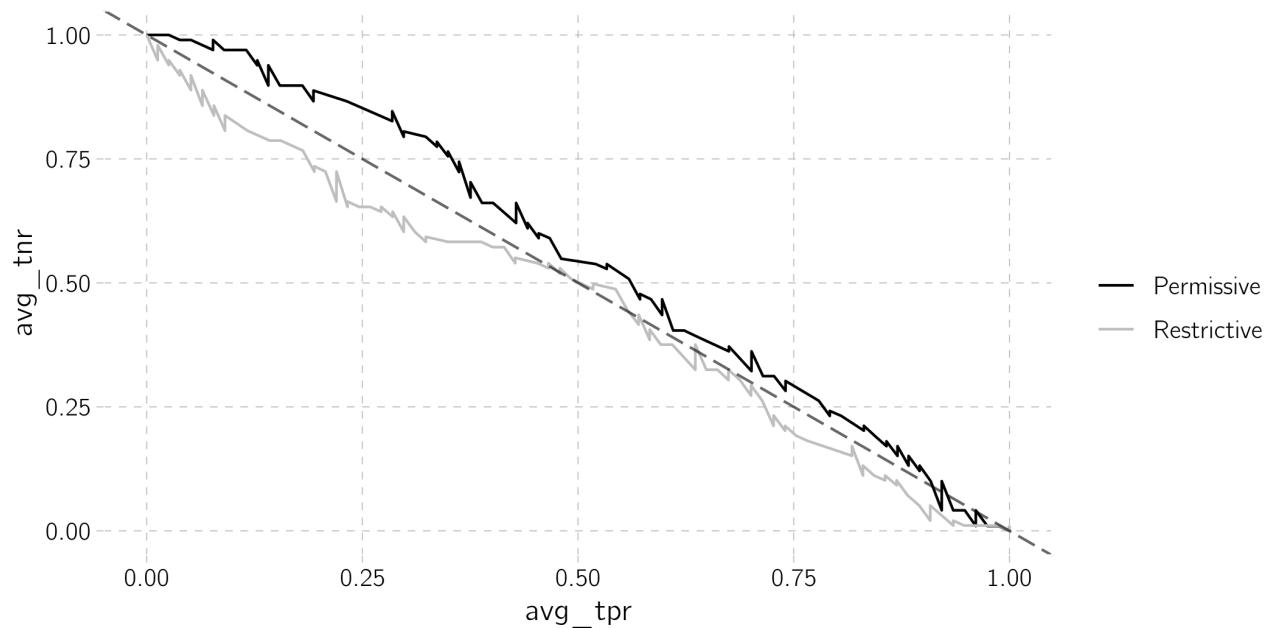
Version 5



**(Dumas 1)**

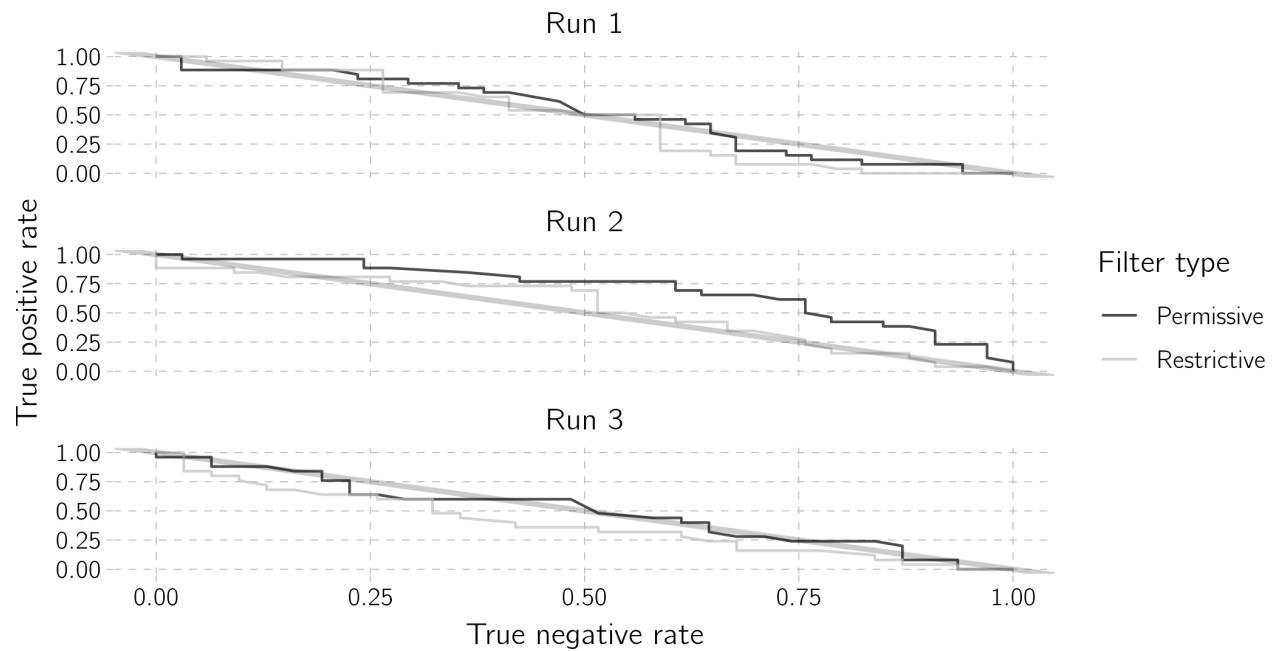
Version 6

Average over the 3 resampled runs



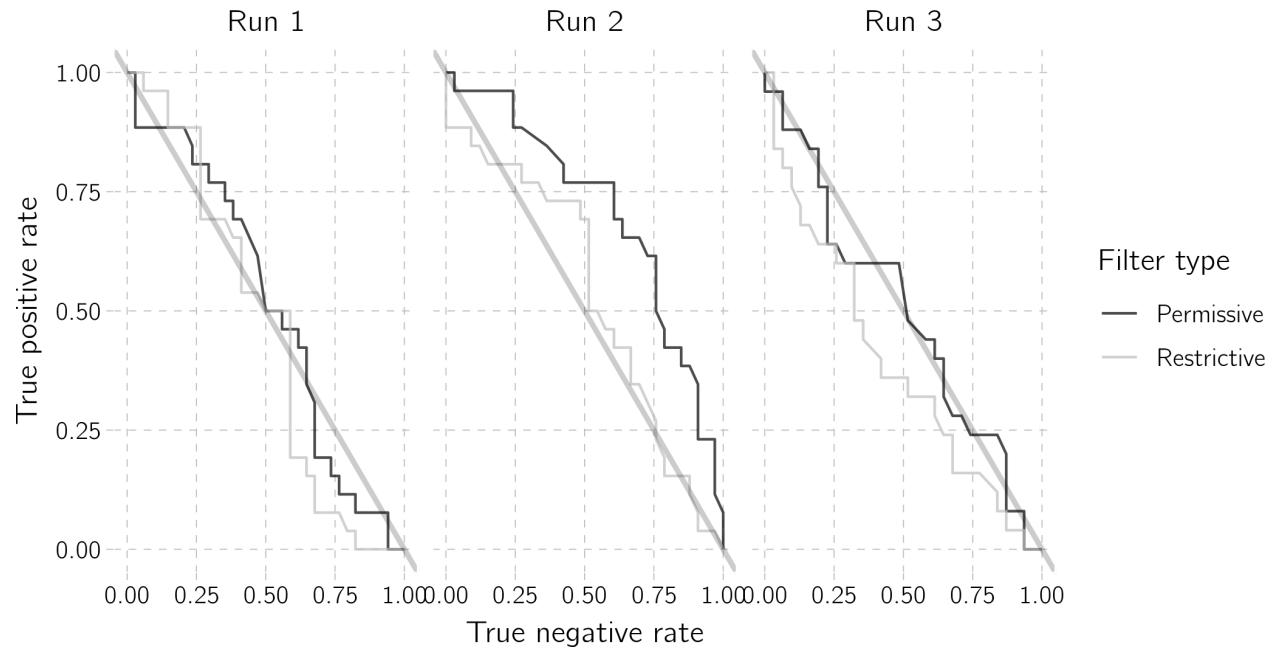
**(Dumas 1)**

Version 7



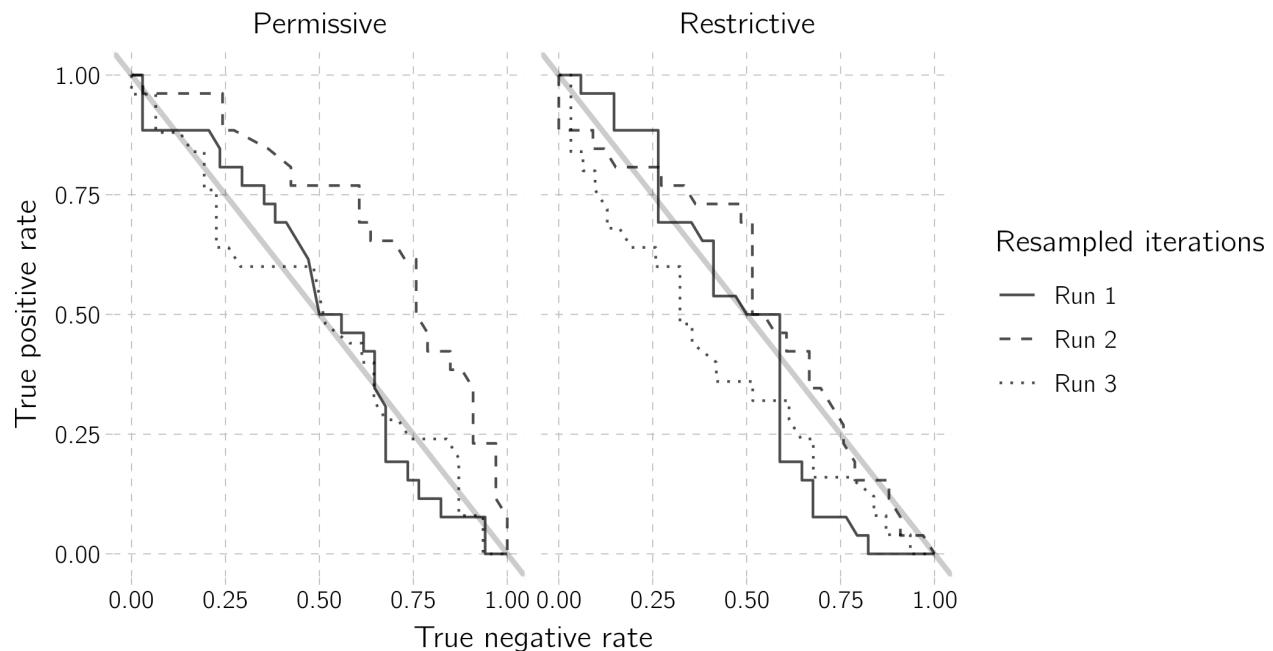
(Dumas 1)

Version 8



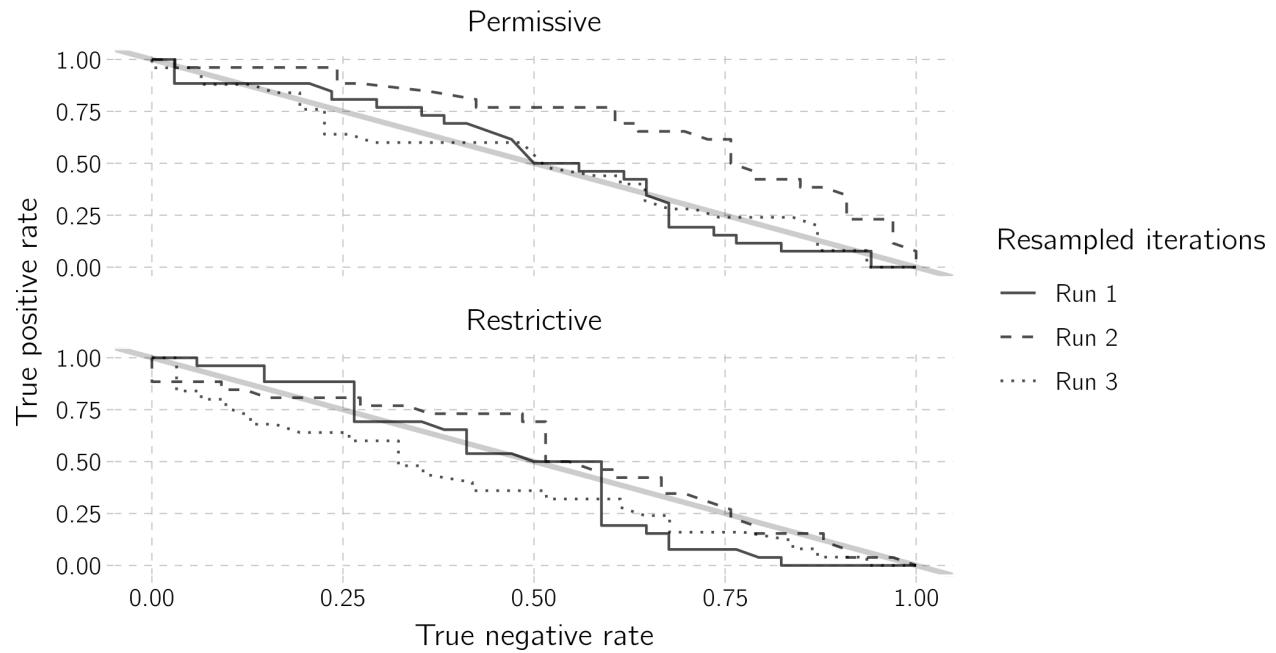
(Dumas 1)

Version 9



(Dumas 1)

Version 10



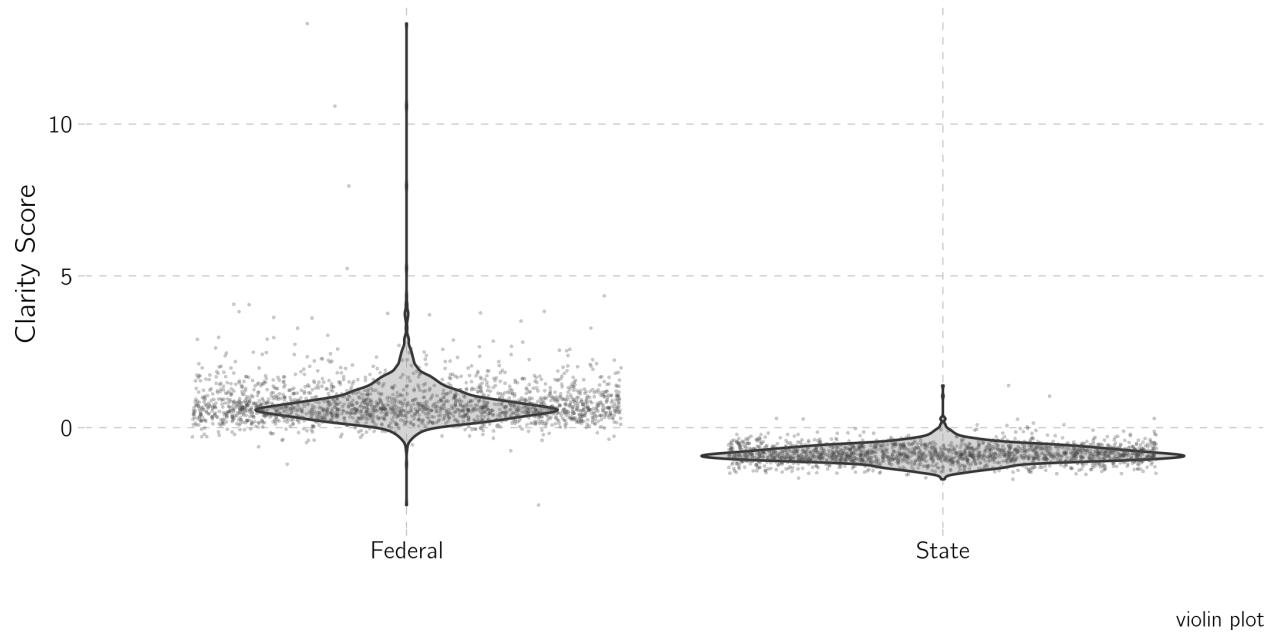
# **Feldman**

*Feldman*

*Feldman Figure 1*

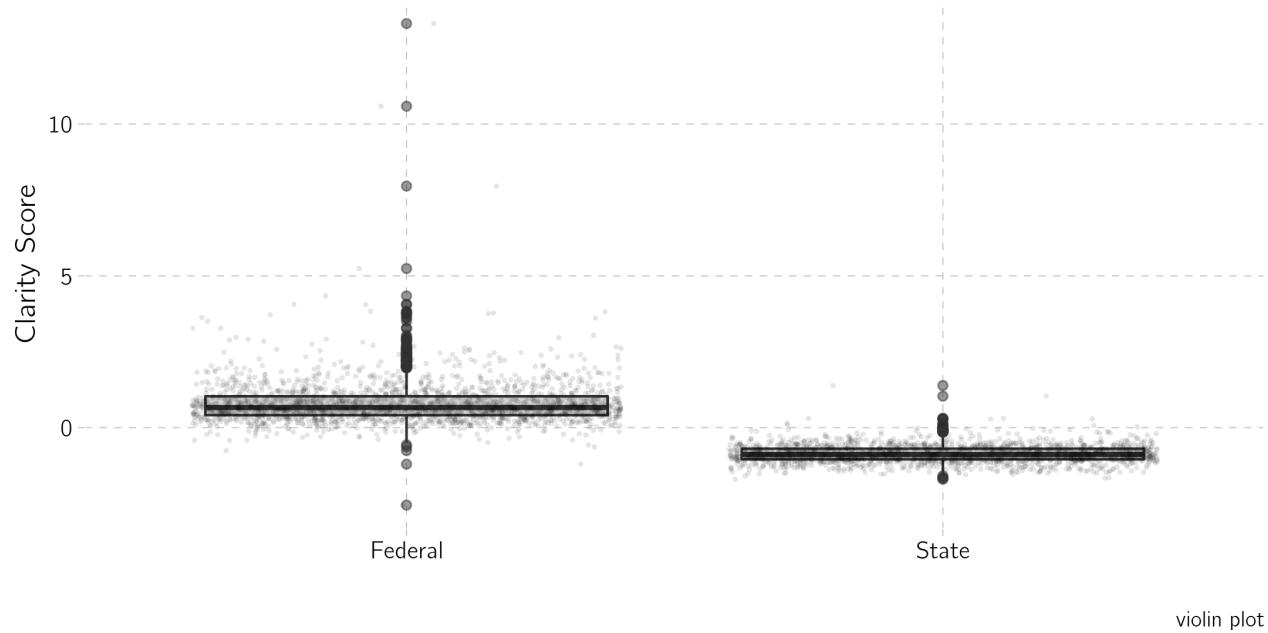
(Feldman 1)

Version 4



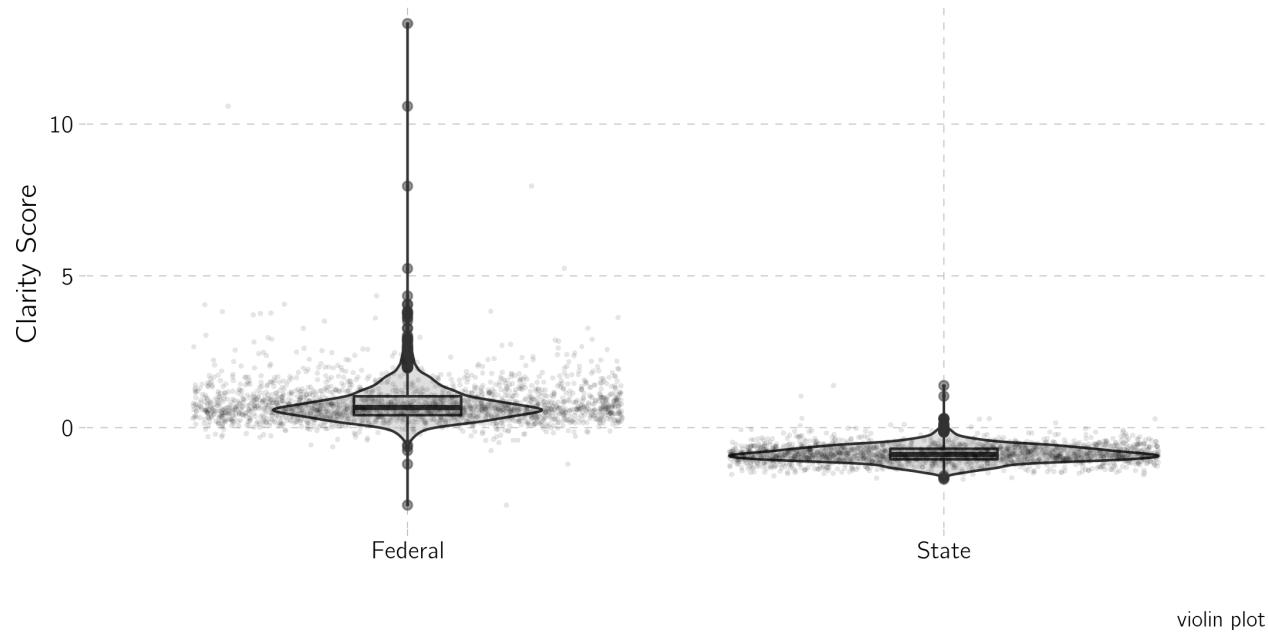
(Feldman 1)

Version 4

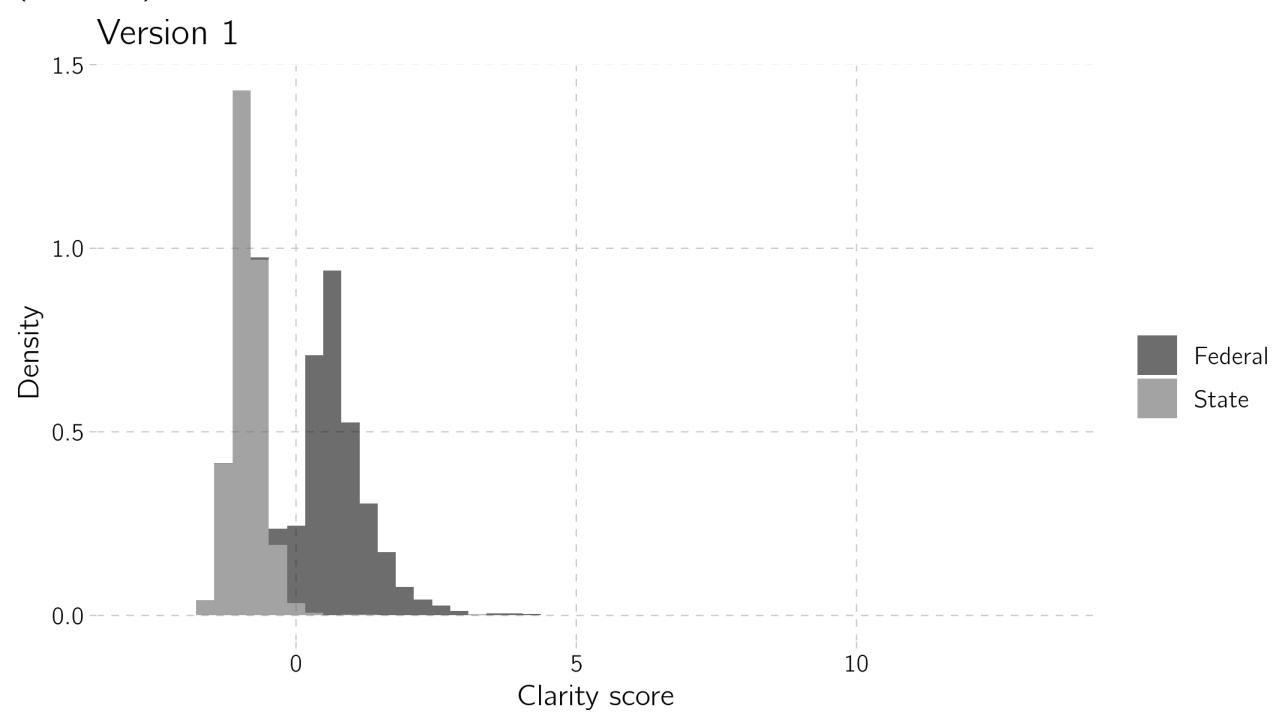


(Feldman 1)

Version 4



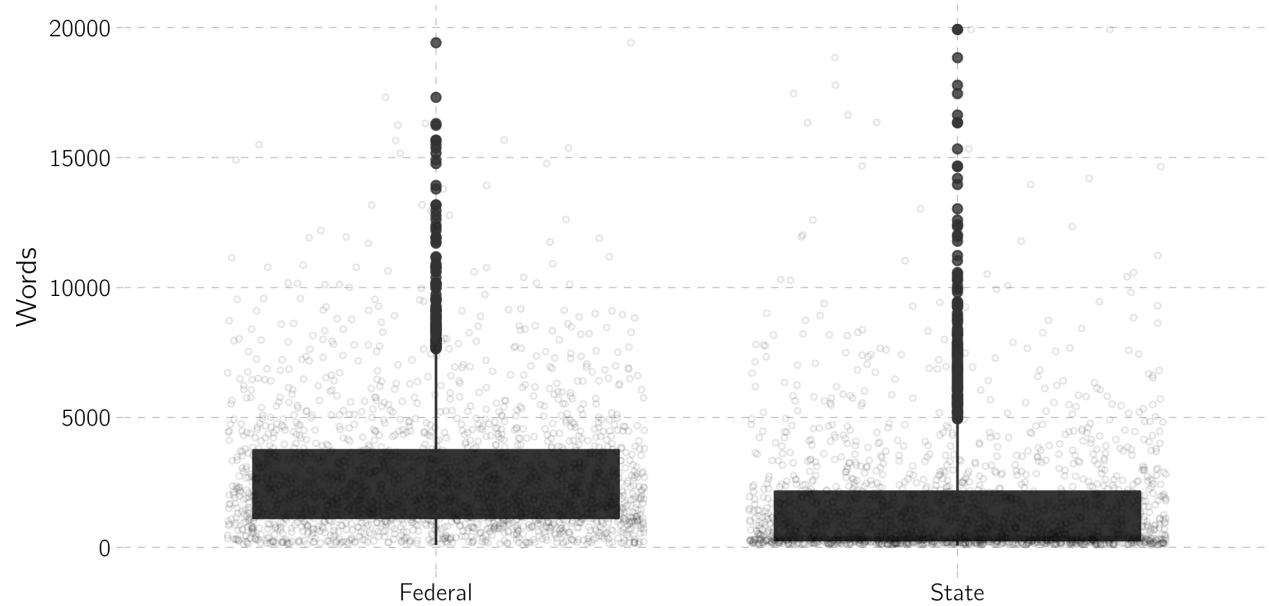
(Feldman 1)



Feldman Figure 2

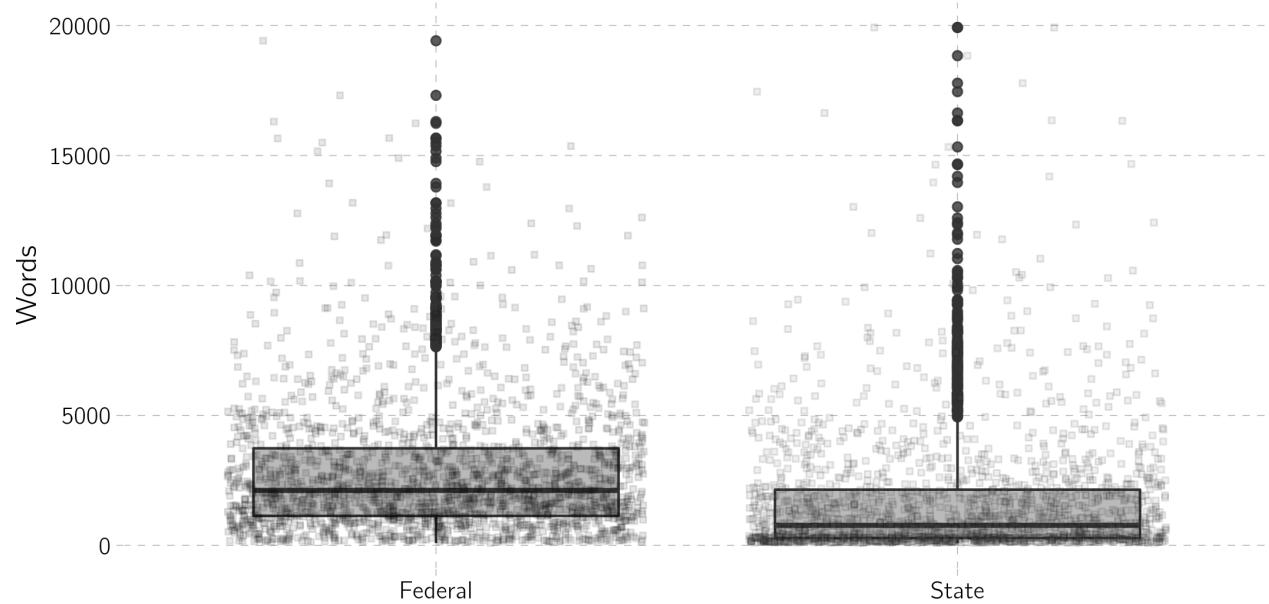
**(Feldman 2)**

Version 1



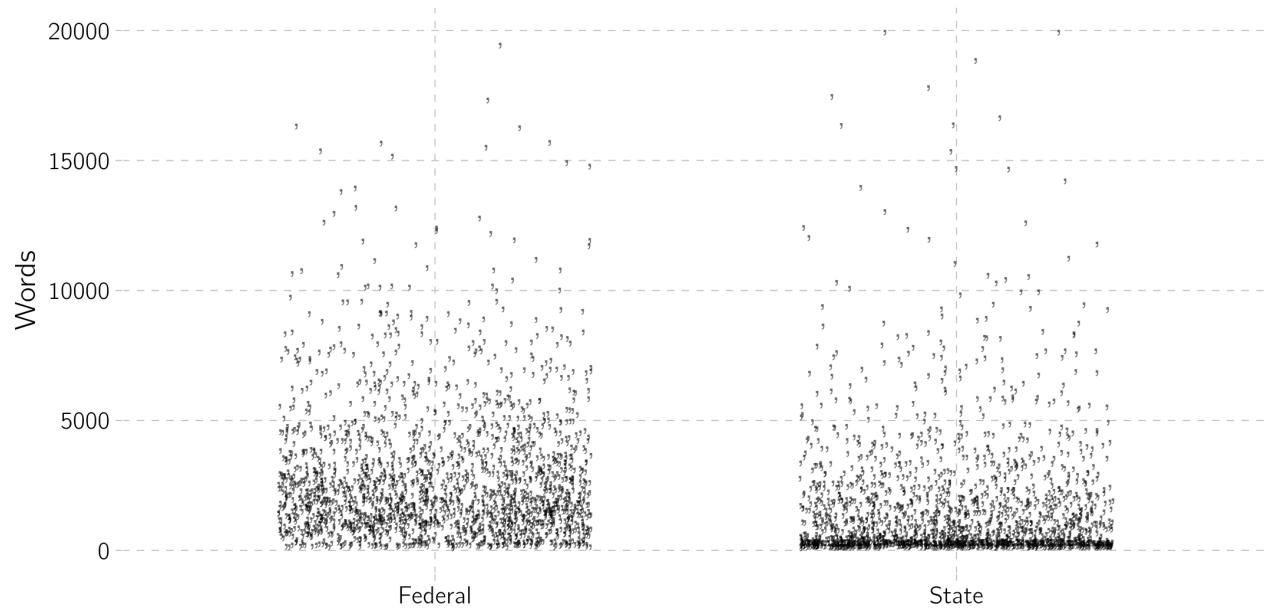
(Feldman 2)

Version 2



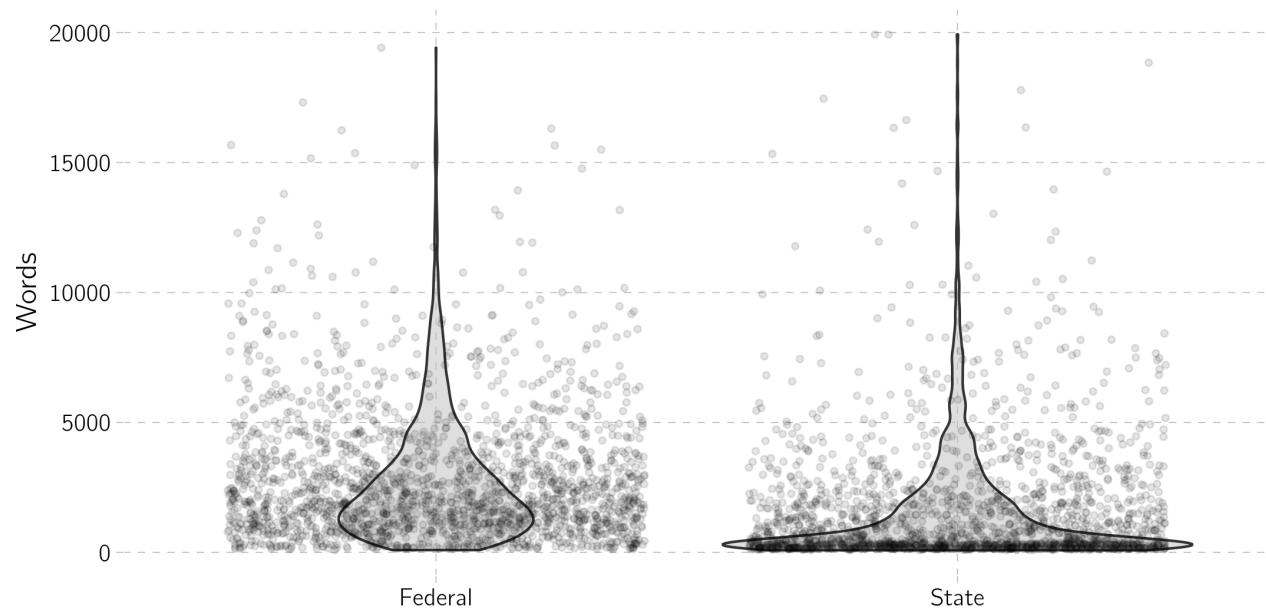
**(Feldman 2)**

Version 3



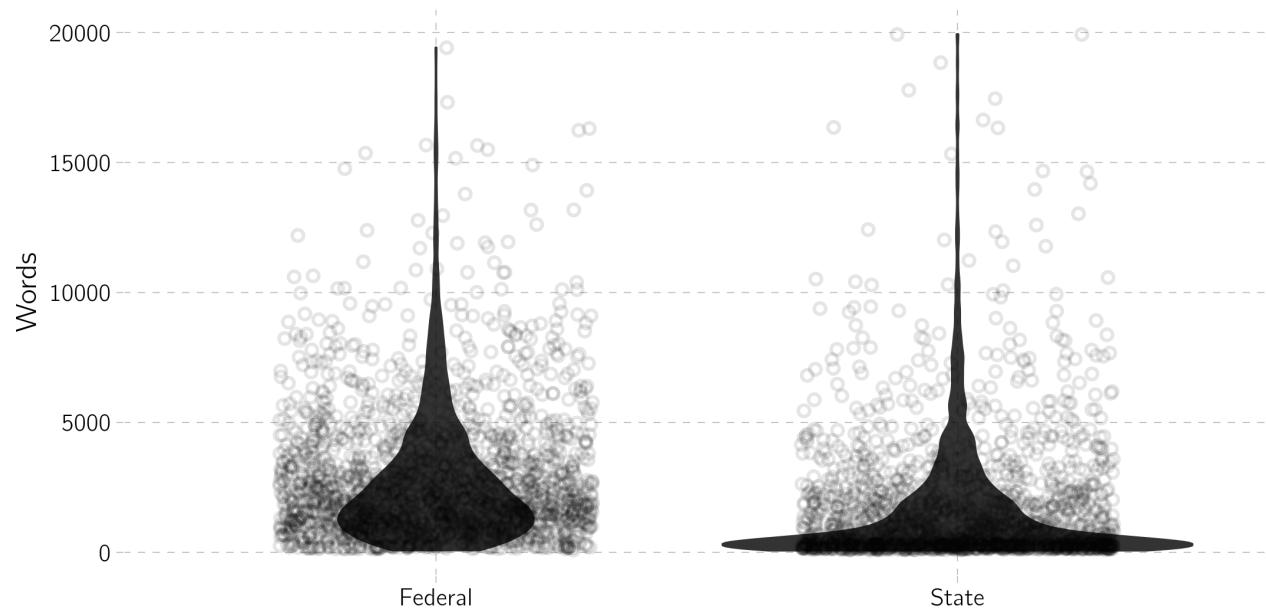
(Feldman 2)

Version 4



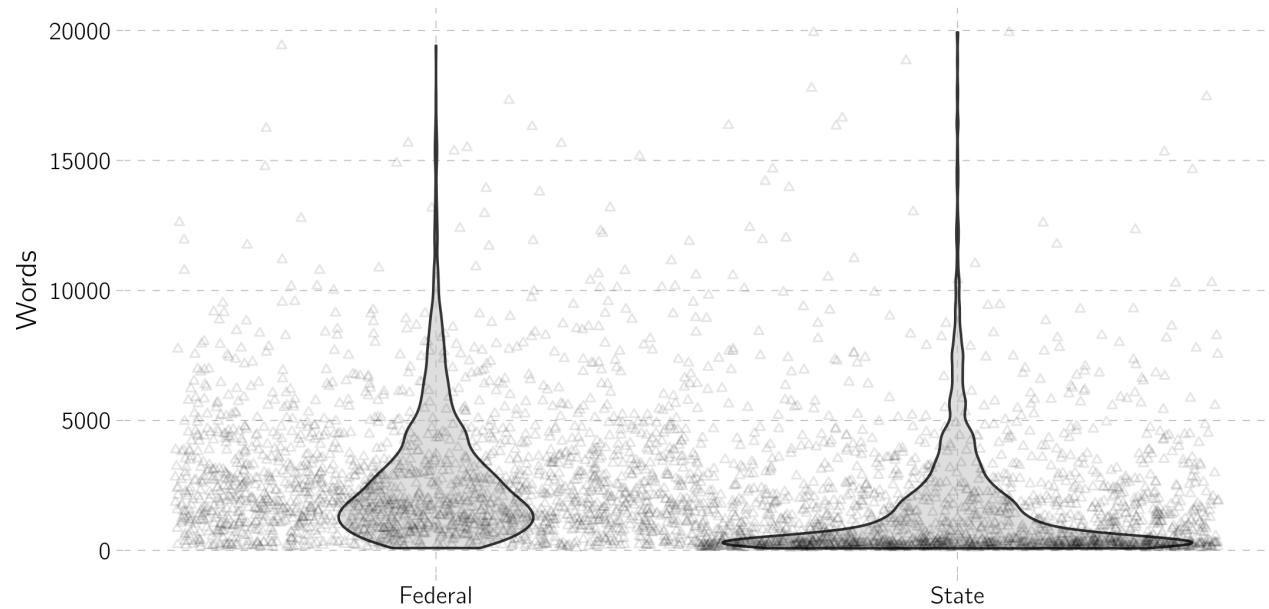
(Feldman 2)

Version 5



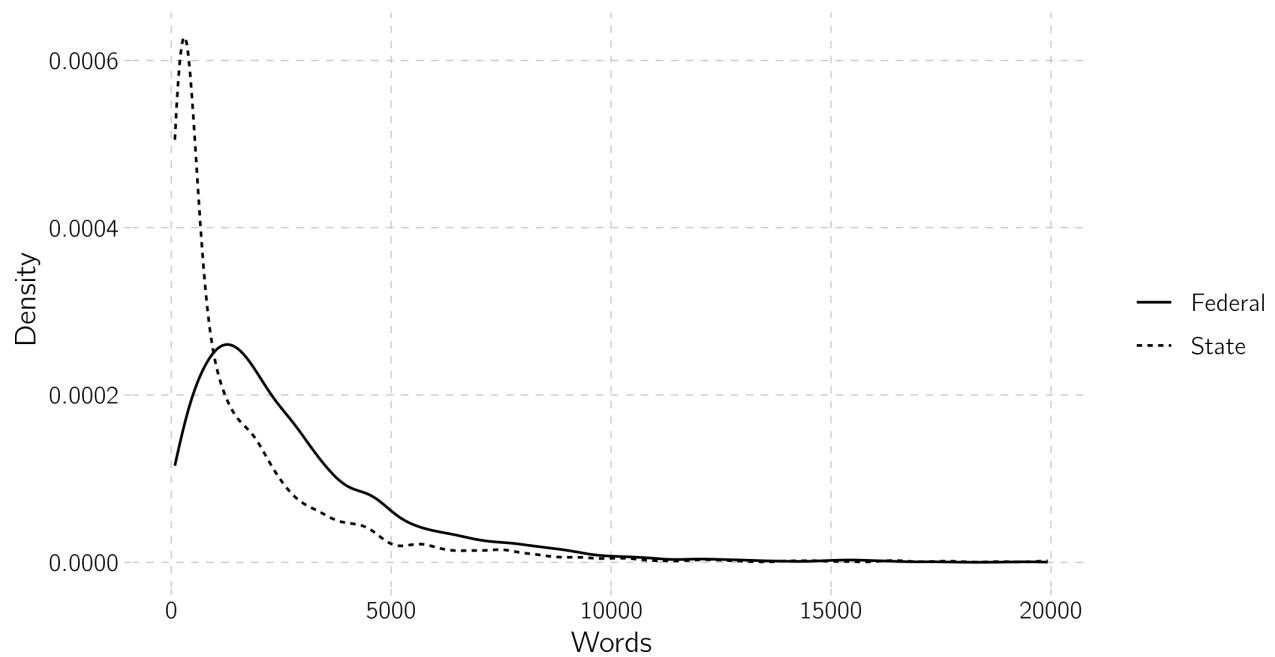
(Feldman 2)

Version 6



(Feldman 2)

Version 7 (similar to authro)



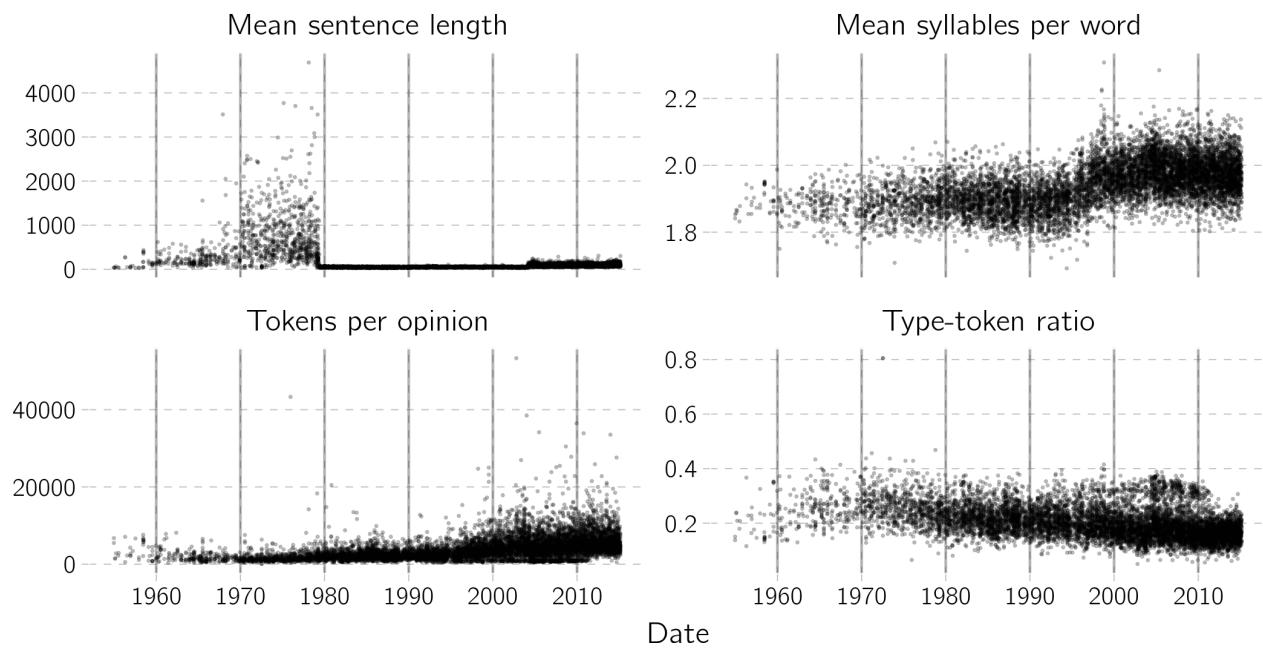
# **Frankenreiter**

*Frankenreiter*

*Frankenreiter Figure 2*

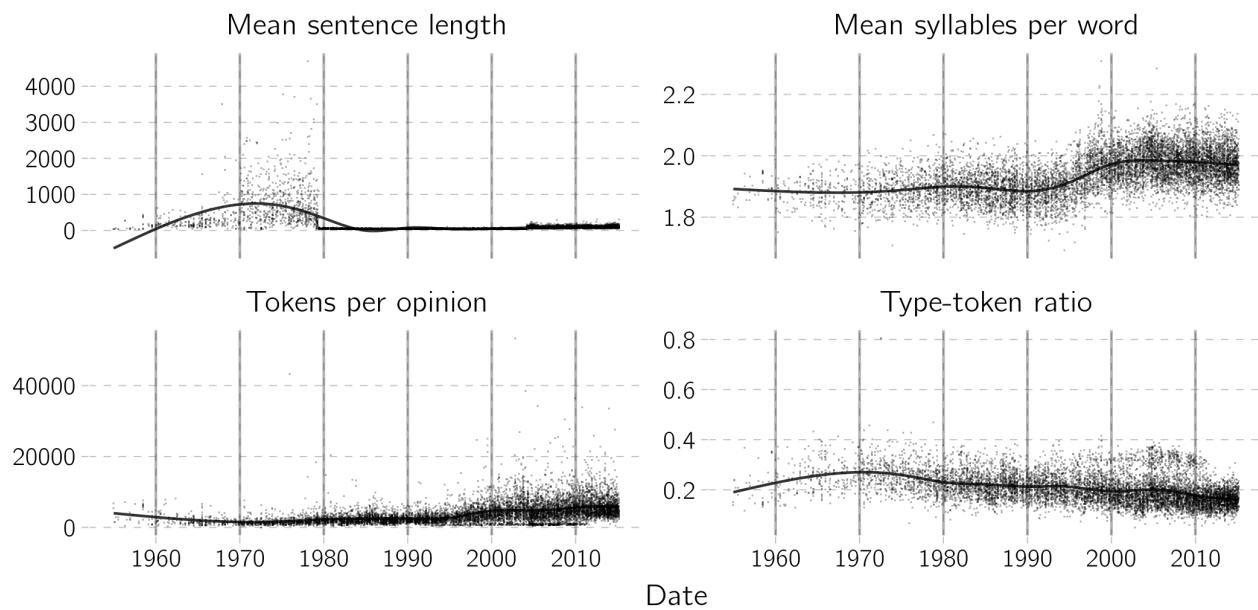
(Frankenreiter 2)

Version 1



(Frankenreiter 2)

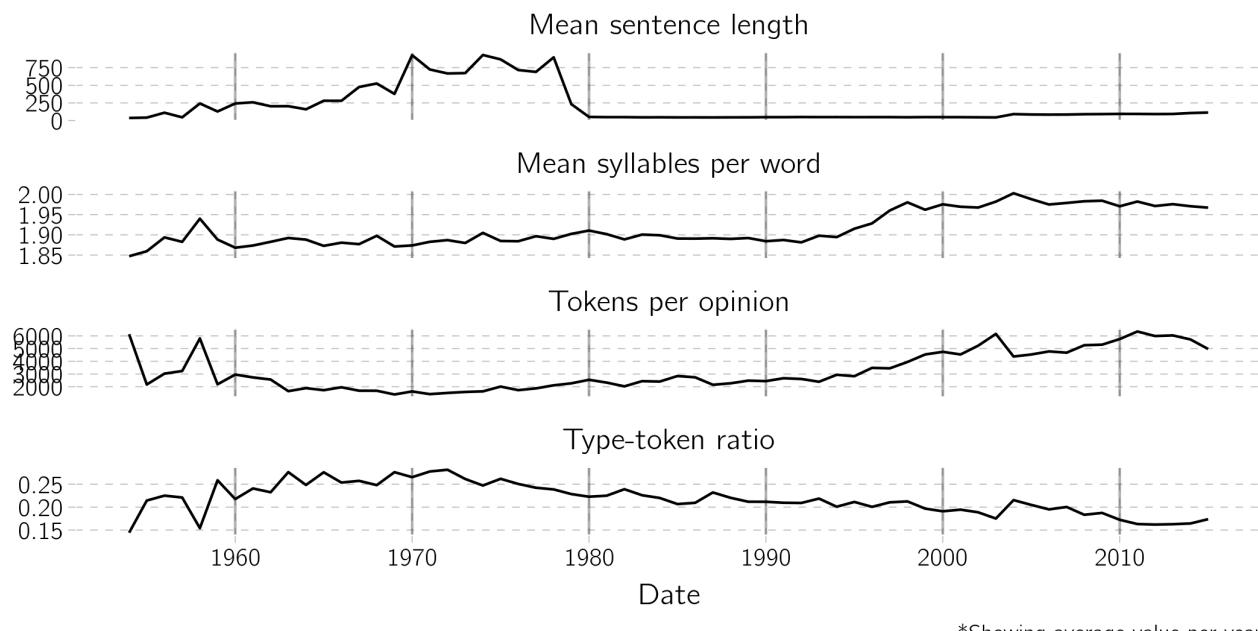
Version 2



\*Lines smoothed using local regression

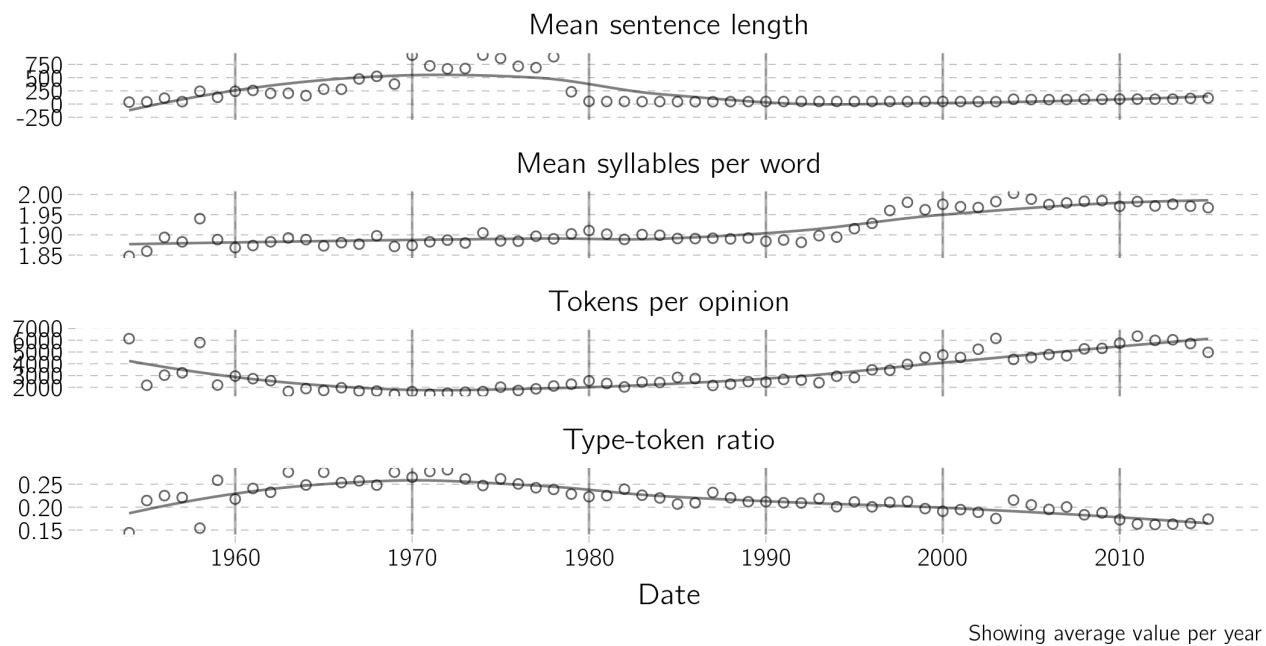
(Frankenreiter 2)

Version 3



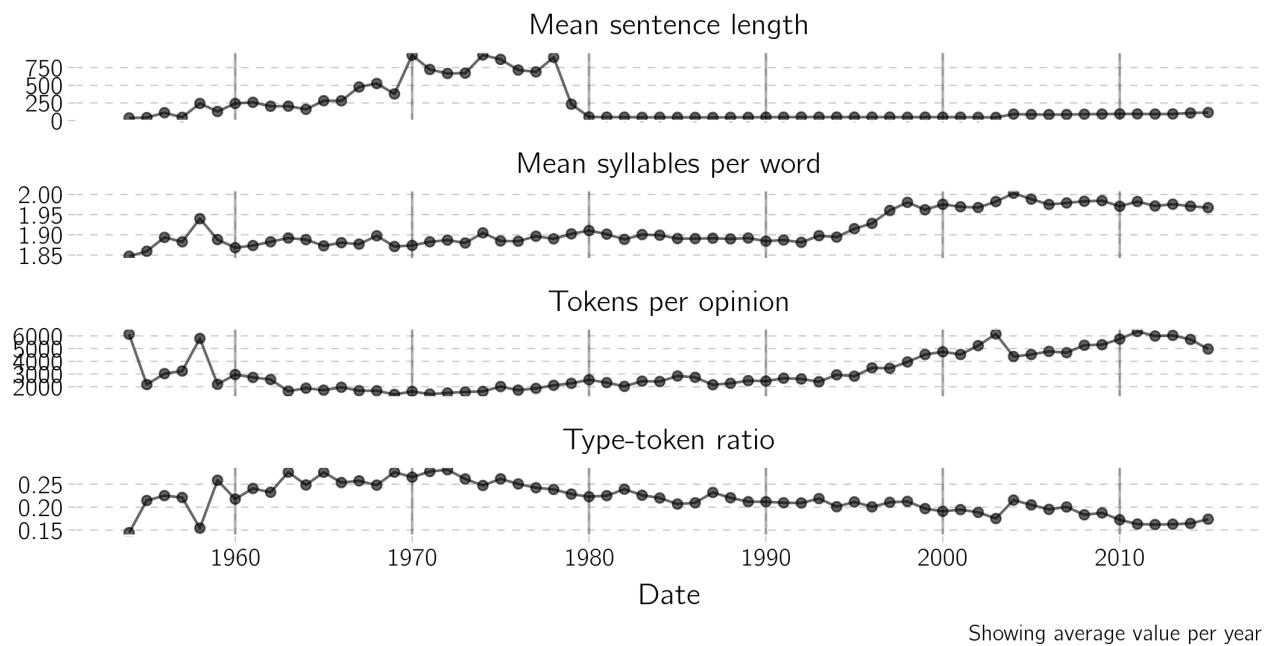
(Frankenreiter 2)

Version 4



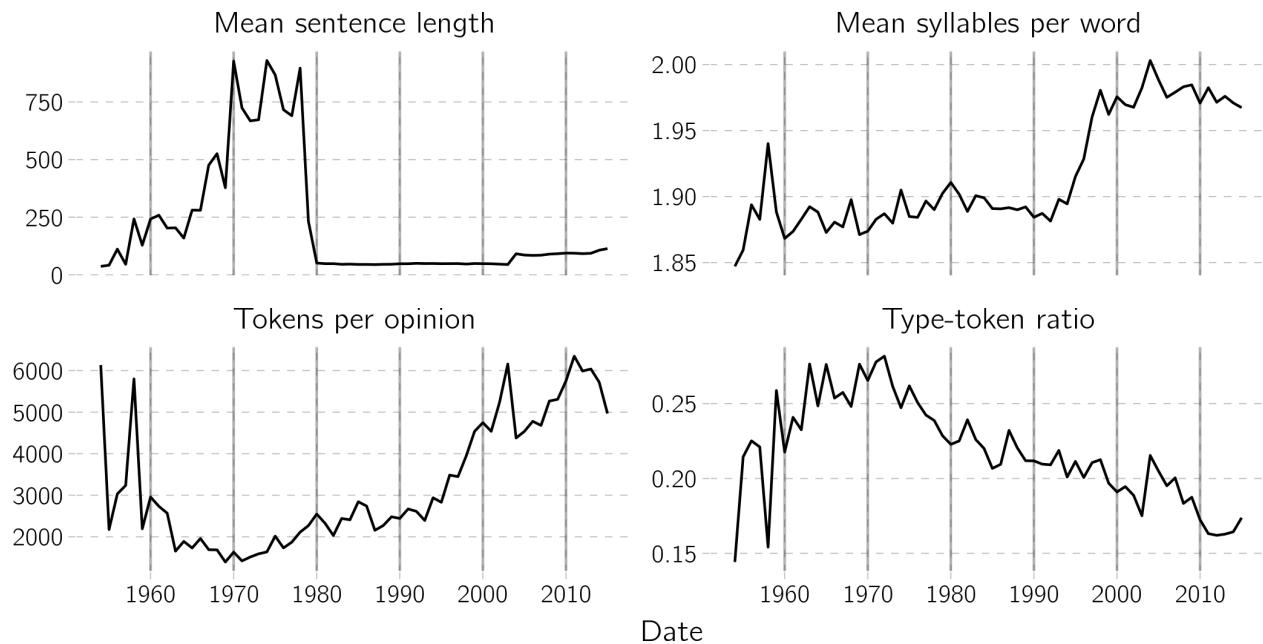
(Frankenreiter 2)

Version 5



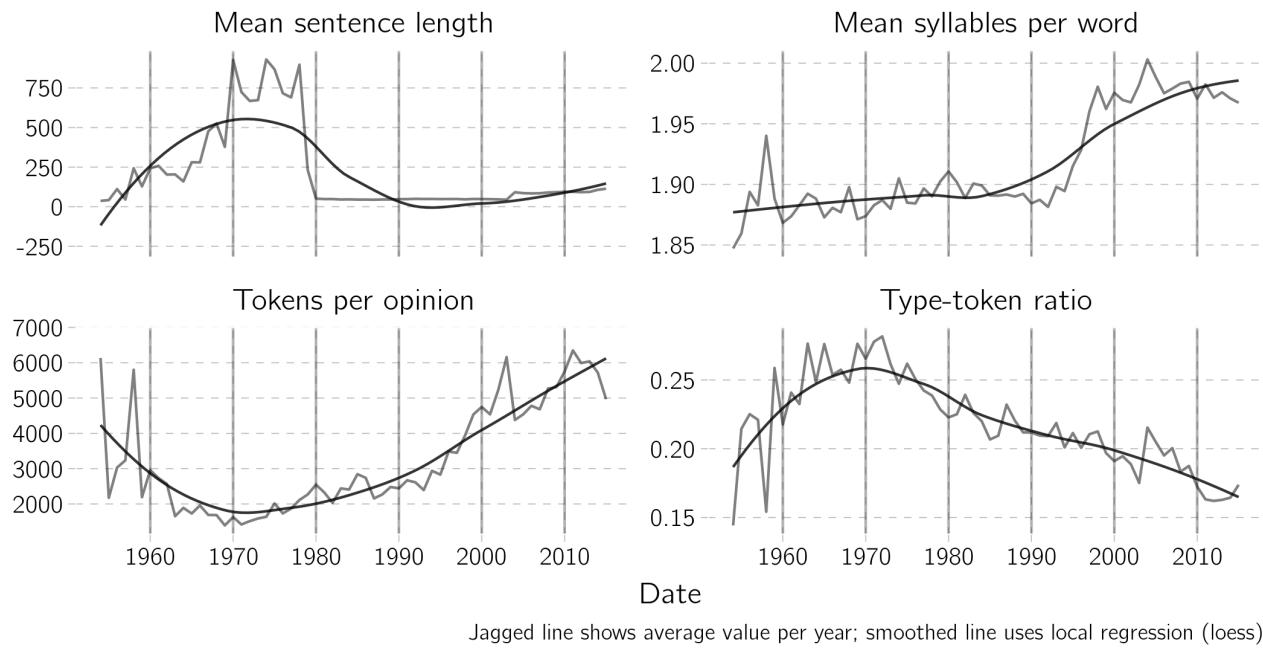
(Frankenreiter 2)

Version 6



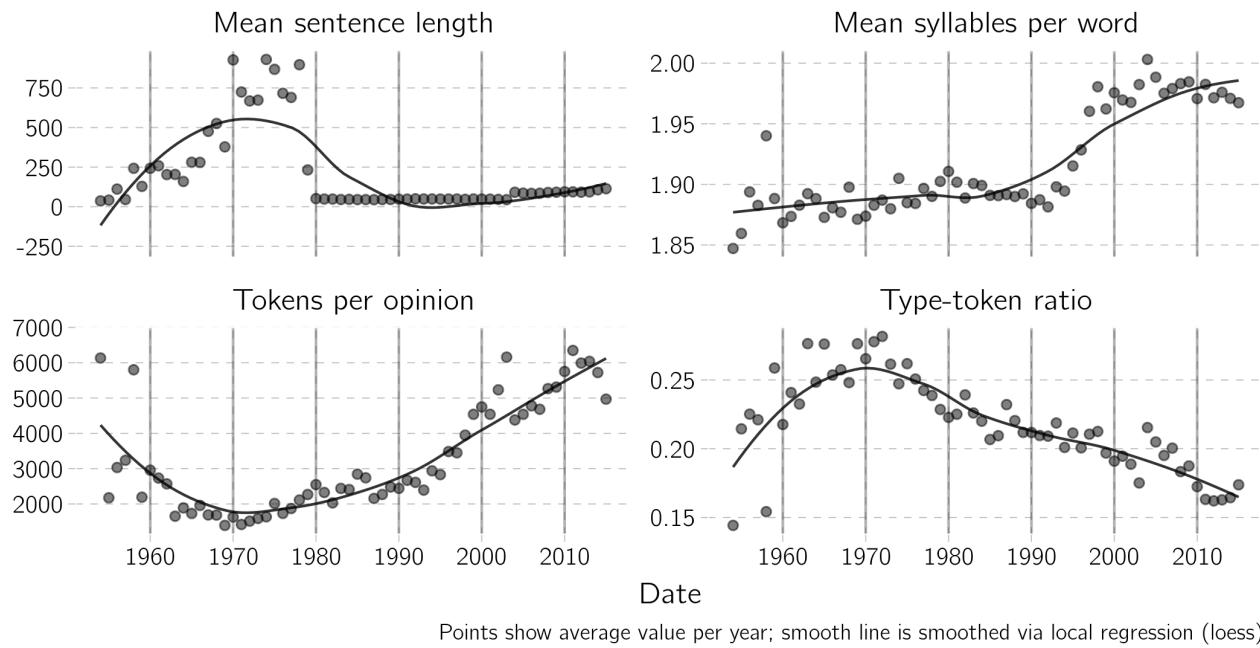
(Frankenreiter 2)

Version 7



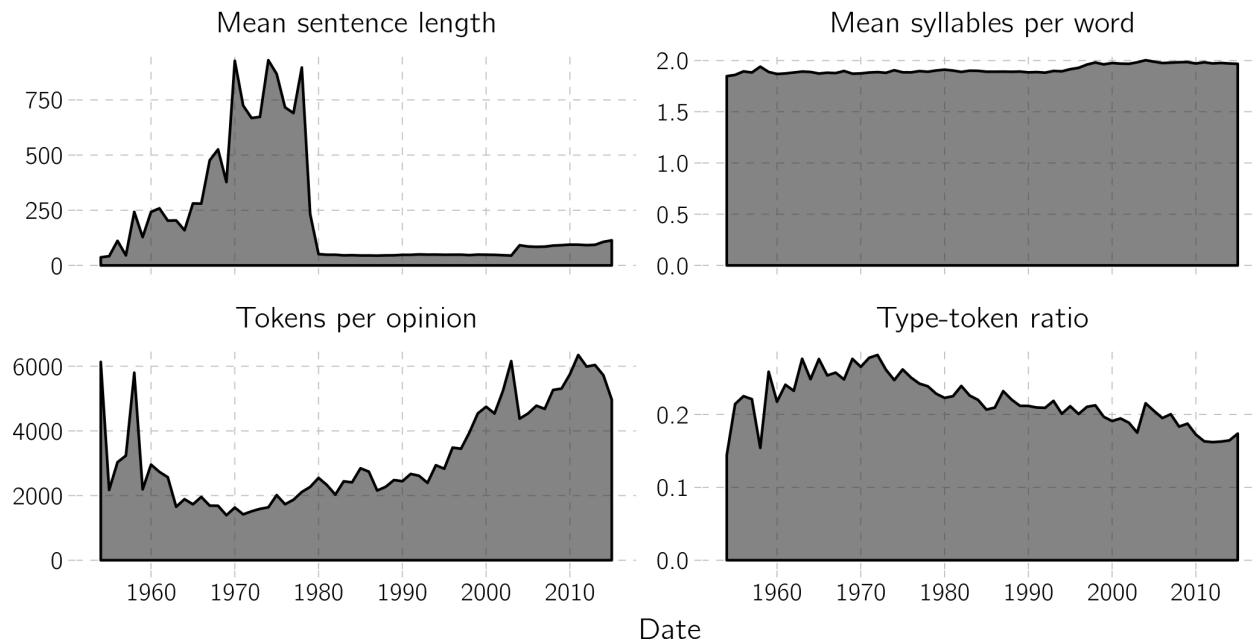
(Frankenreiter 2)

Version 8



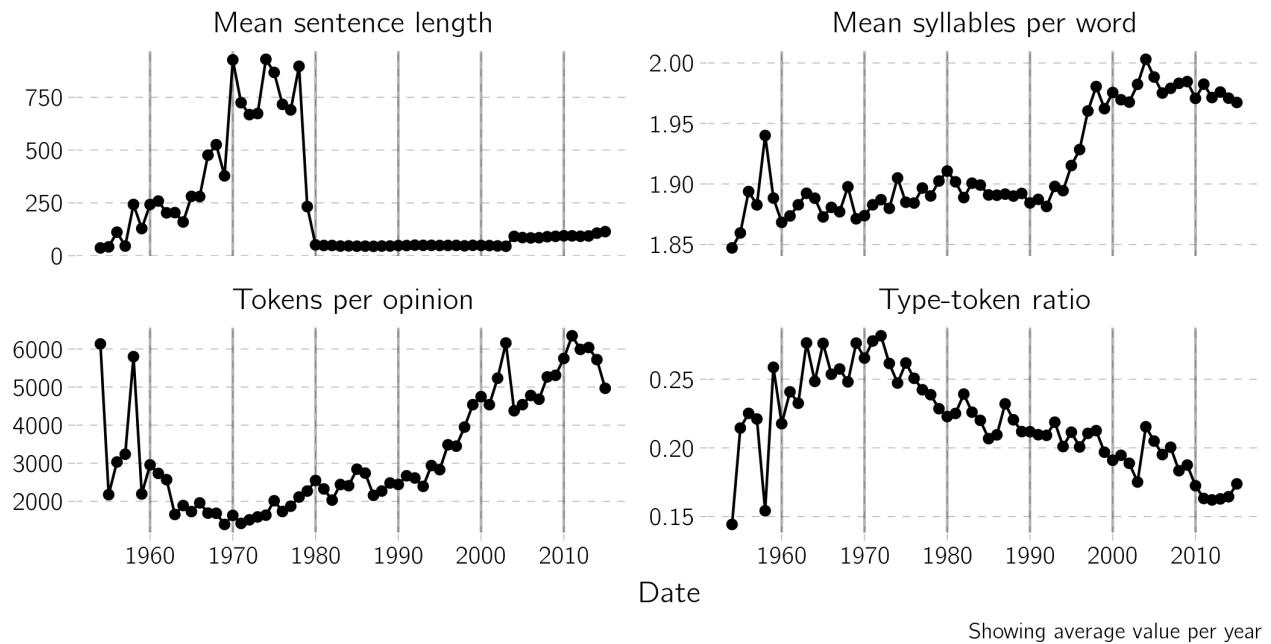
(Frankenreiter 2)

Version 9



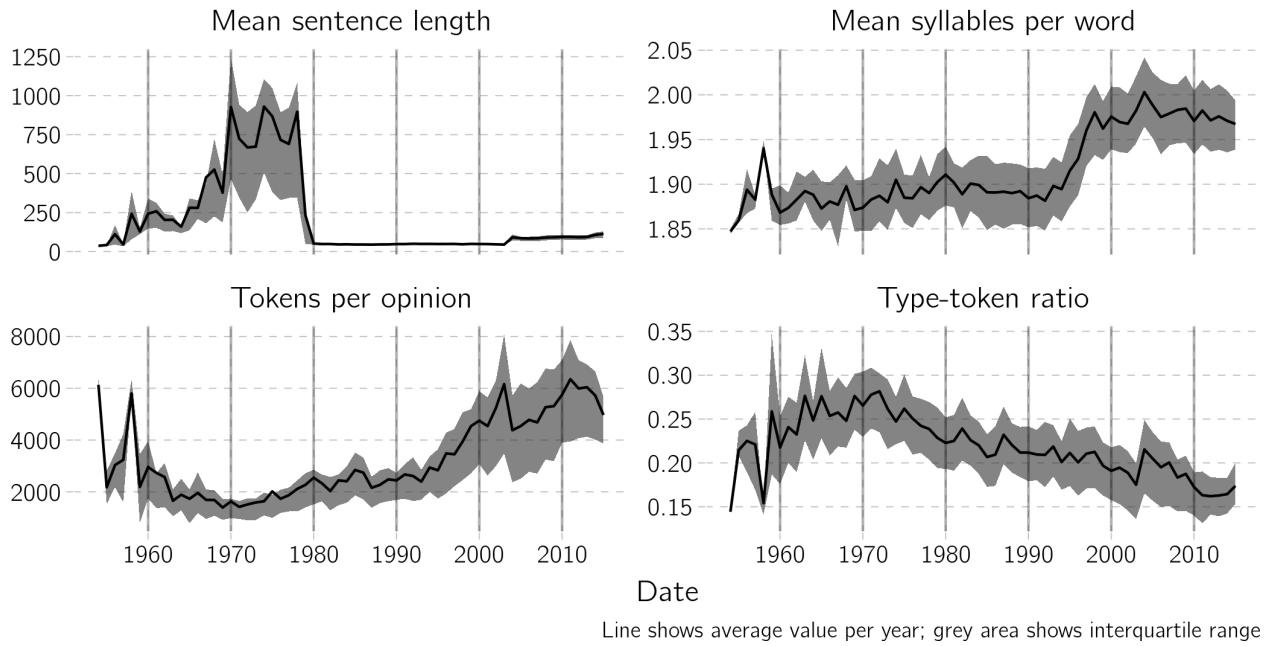
(Frankenreiter 2)

Version 10



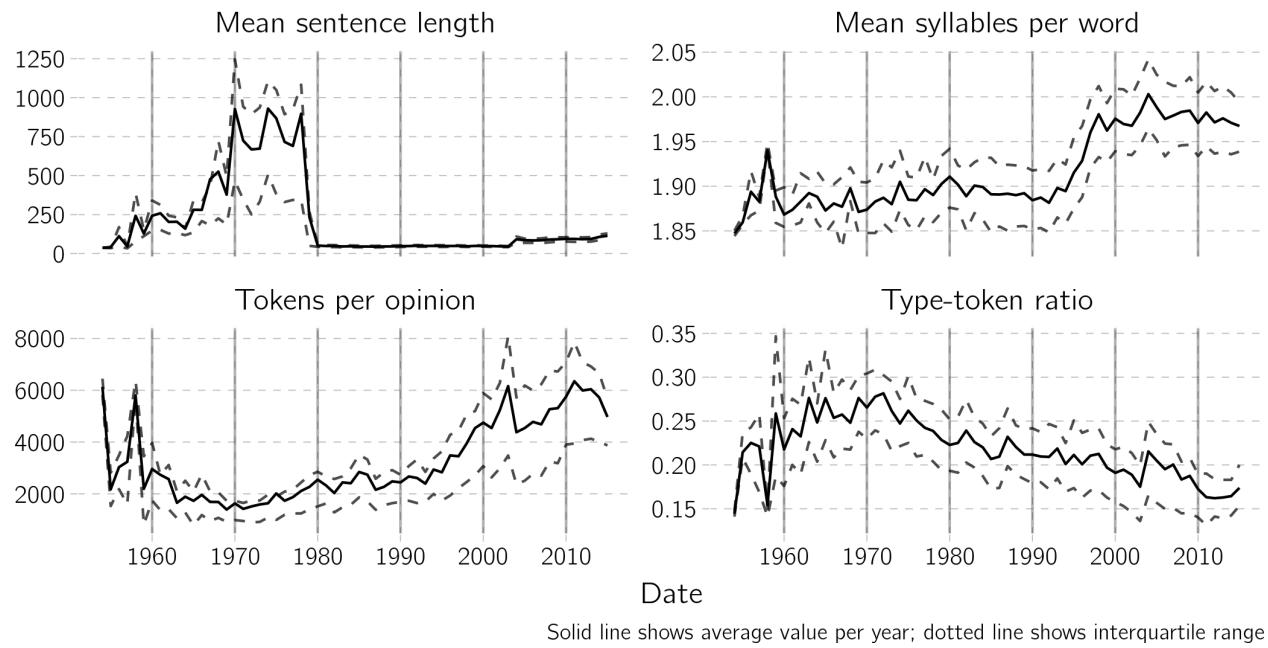
(Frankenreiter 2)

Version 11



(Frankenreiter 2)

Version 12

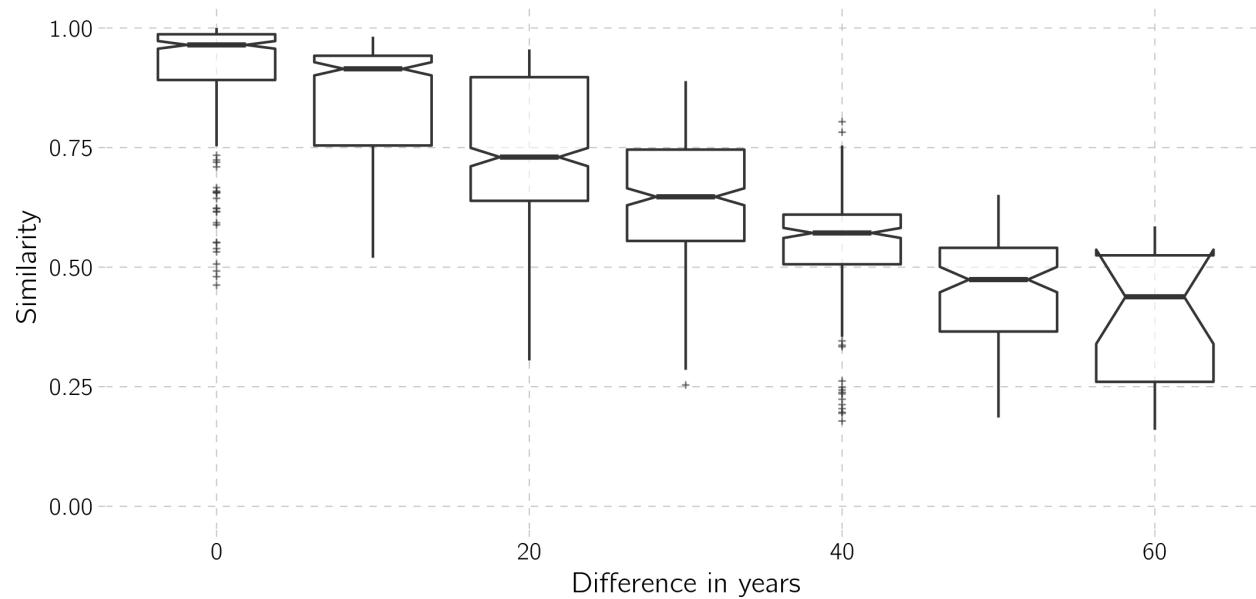


Frankenreiter Figure 3

(Frankenreiter 3)

Version 1

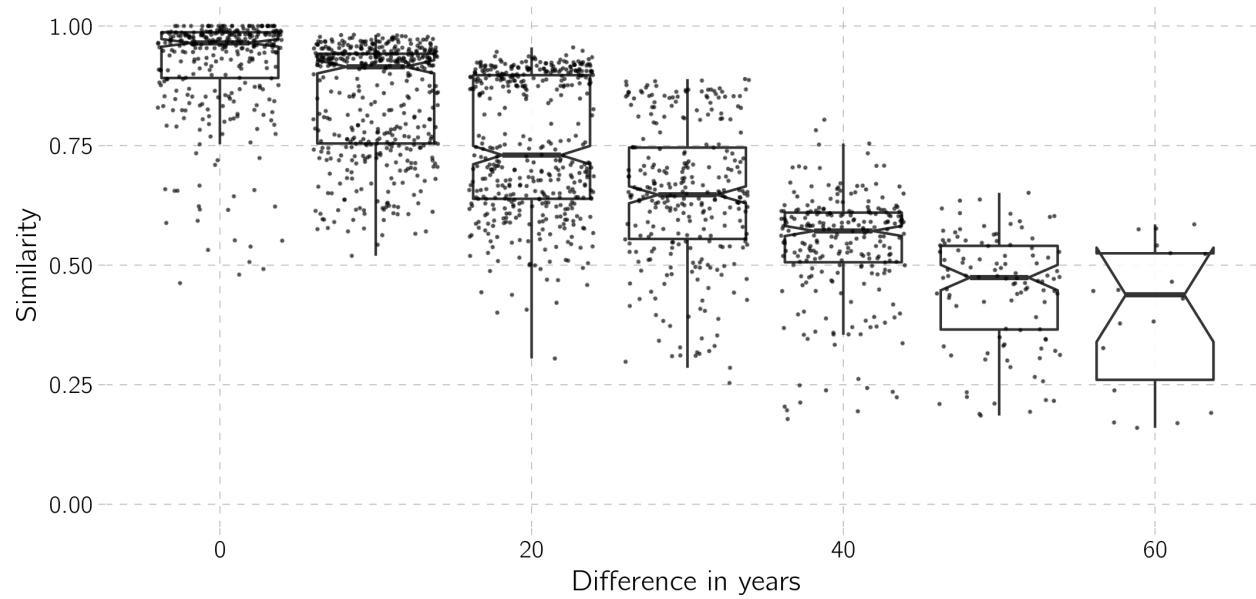
(Grouped every 10 years)



(Frankenreiter 3)

Version 2

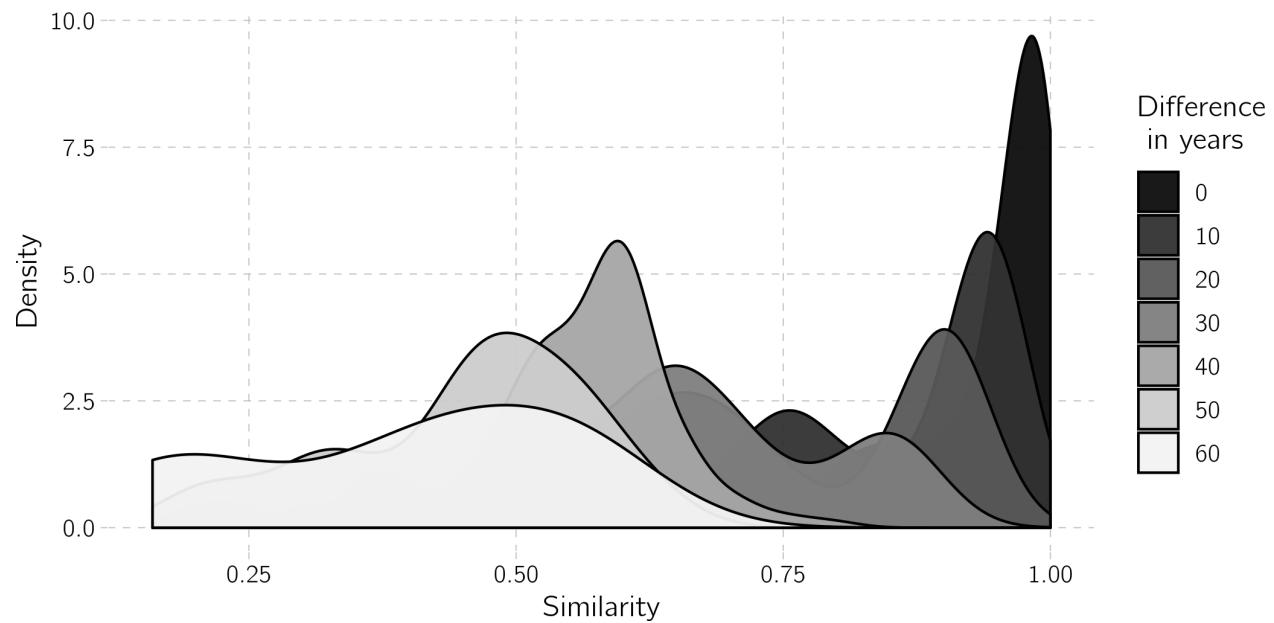
(Grouped every 10 years)



(Frankenreiter 3)

Version 3

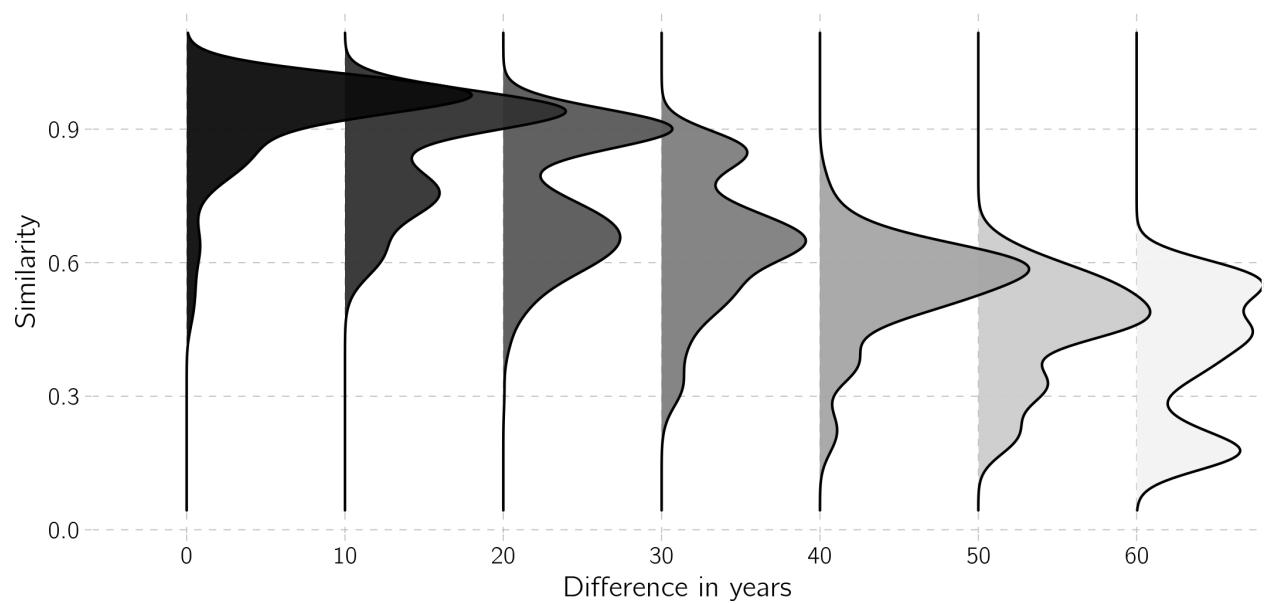
(Grouped every 10 years)



(Frankenreiter 3)

Version 4

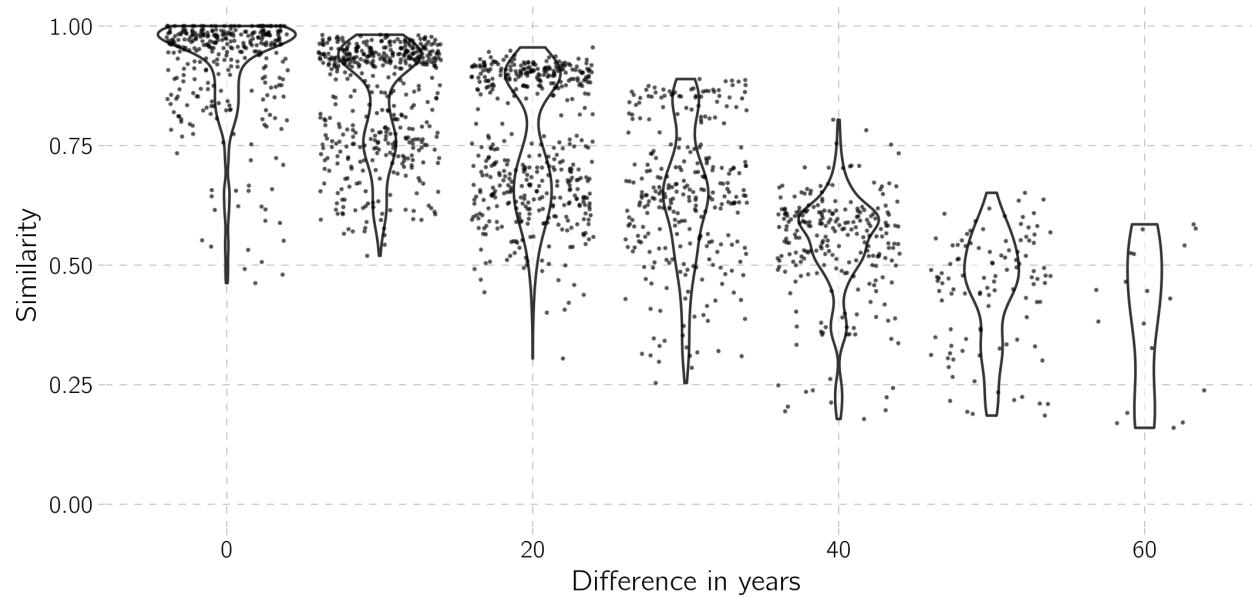
(Grouped every 10 years)



(Frankenreiter 3)

Version 5

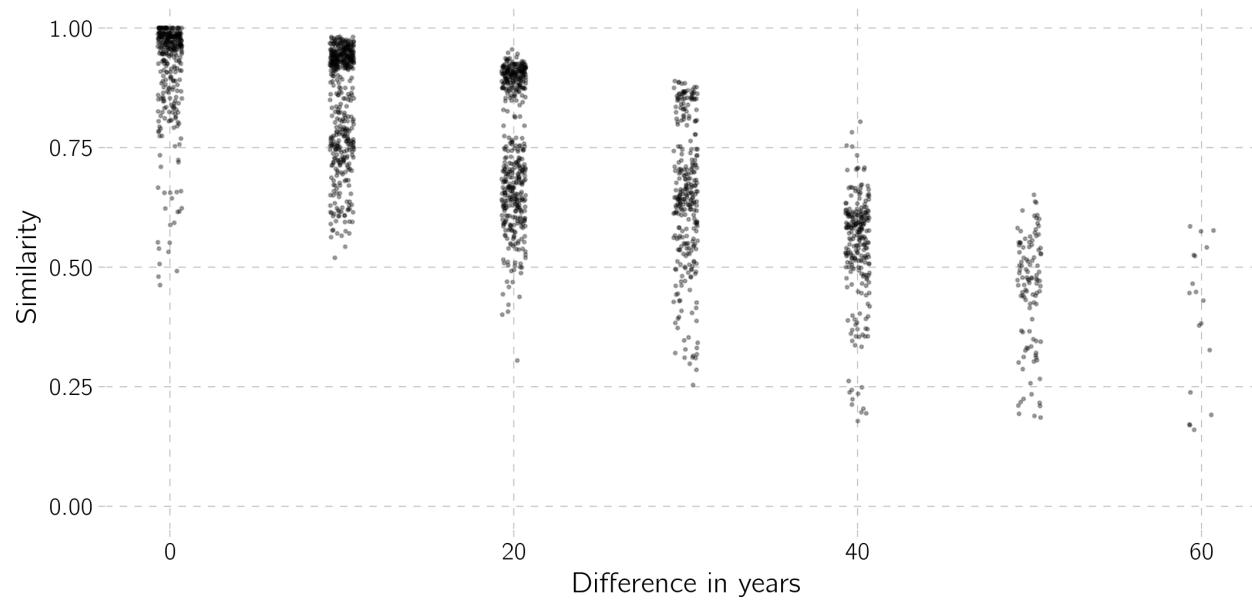
(Grouped every 10 years)



(Frankenreiter 3)

Version 6

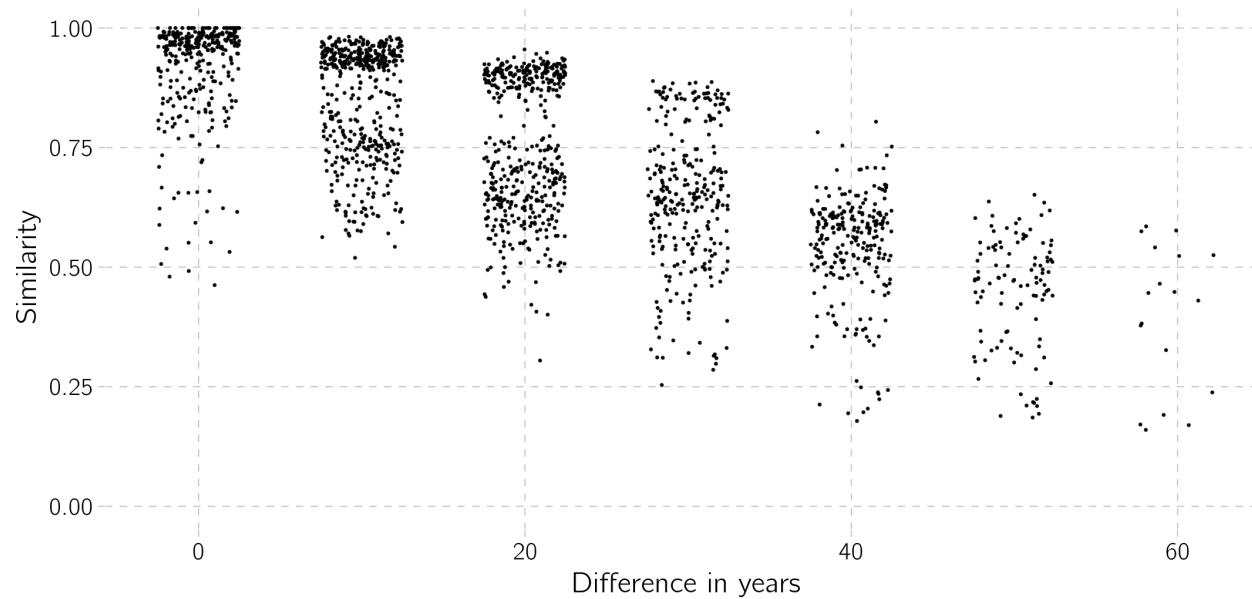
(Grouped every 10 years)



(Frankenreiter 3)

Version 7

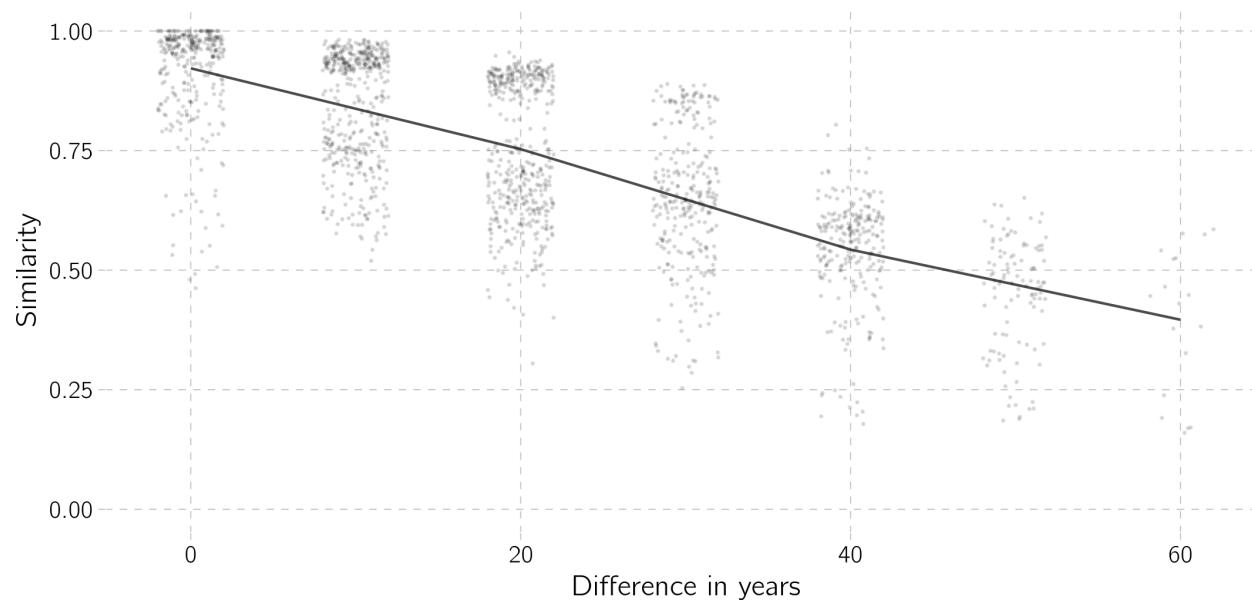
(Grouped every 10 years)



(Frankenreiter 3)

Version 8

(Grouped every 10 years)

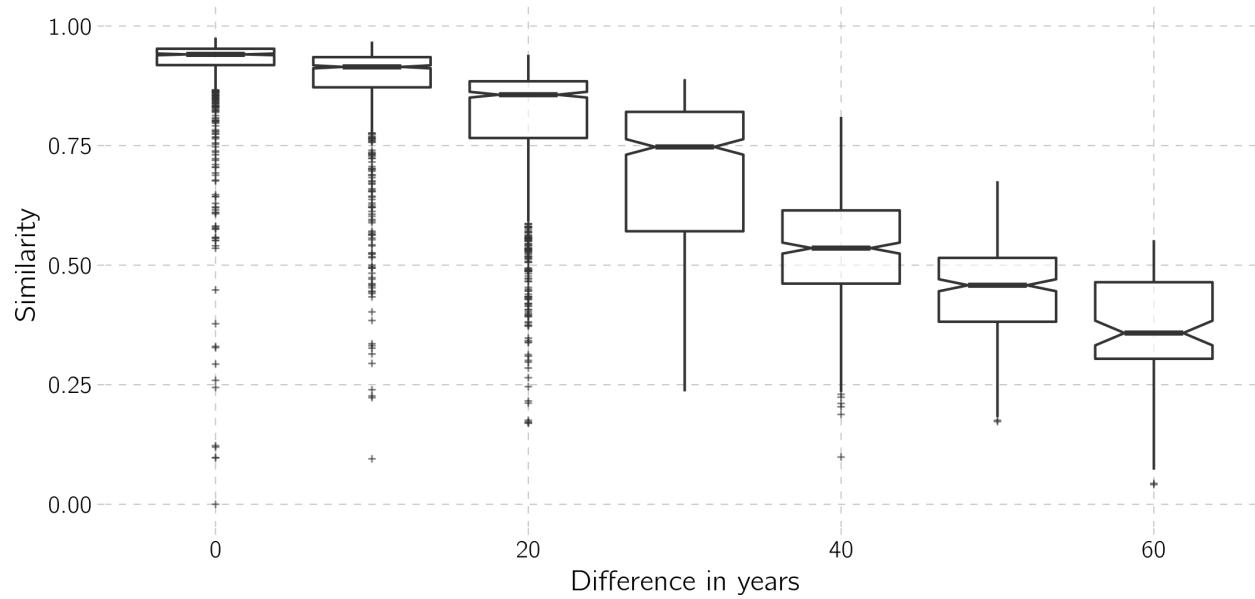


Frankenreiter Figure 4

(Frankenreiter 4)

Version 1

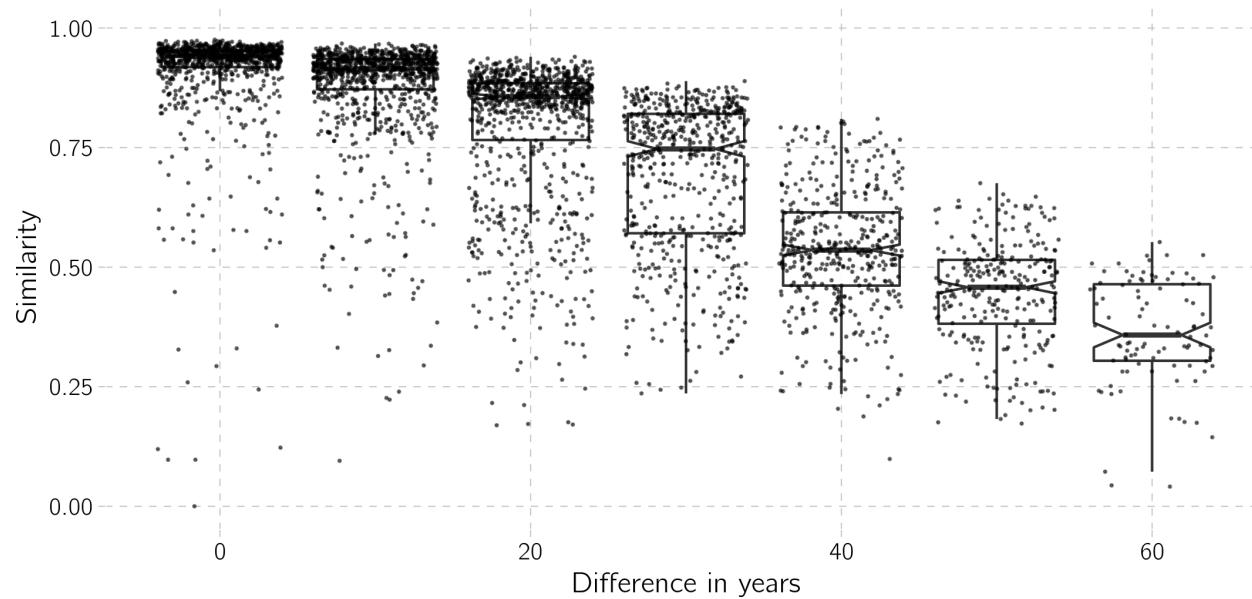
(Grouped every 10 years)



(Frankenreiter 4)

Version 2

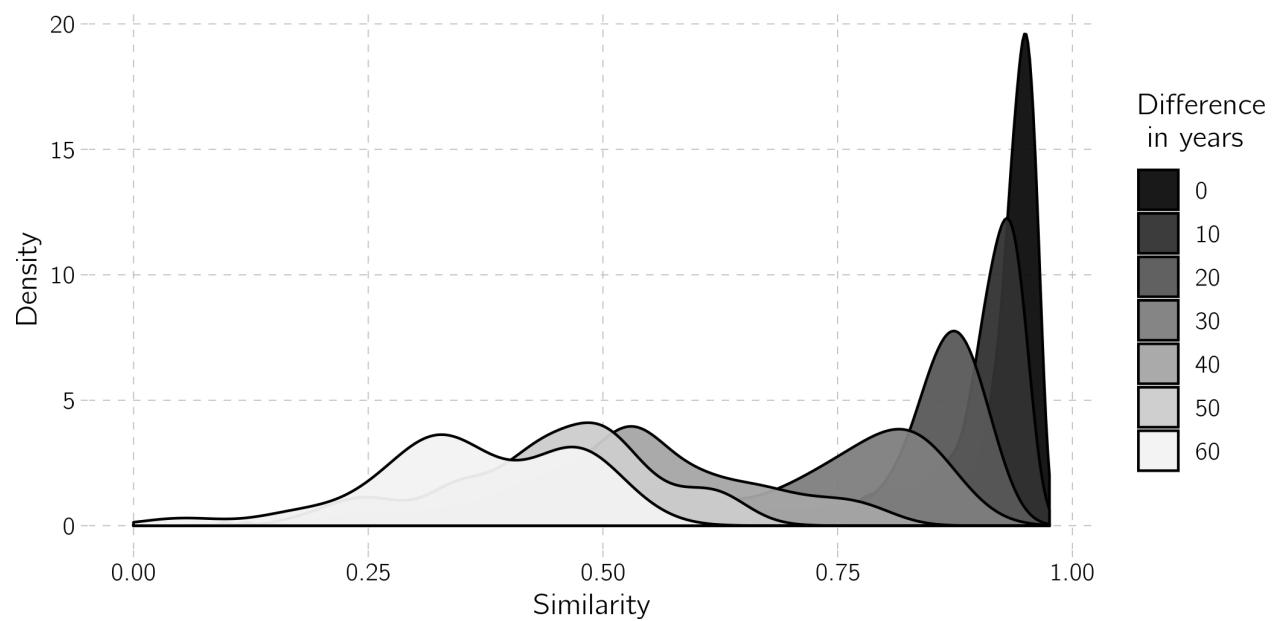
(Grouped every 10 years)



(Frankenreiter 4)

Version 3

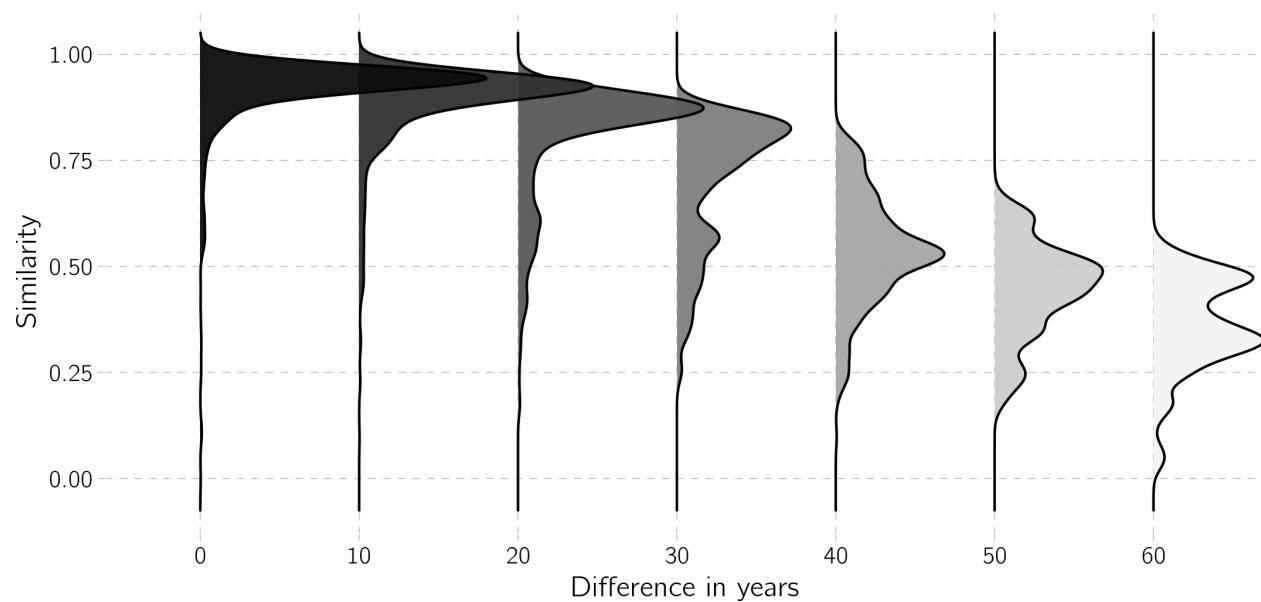
(Grouped every 10 years)



(Frankenreiter 4)

Version 4

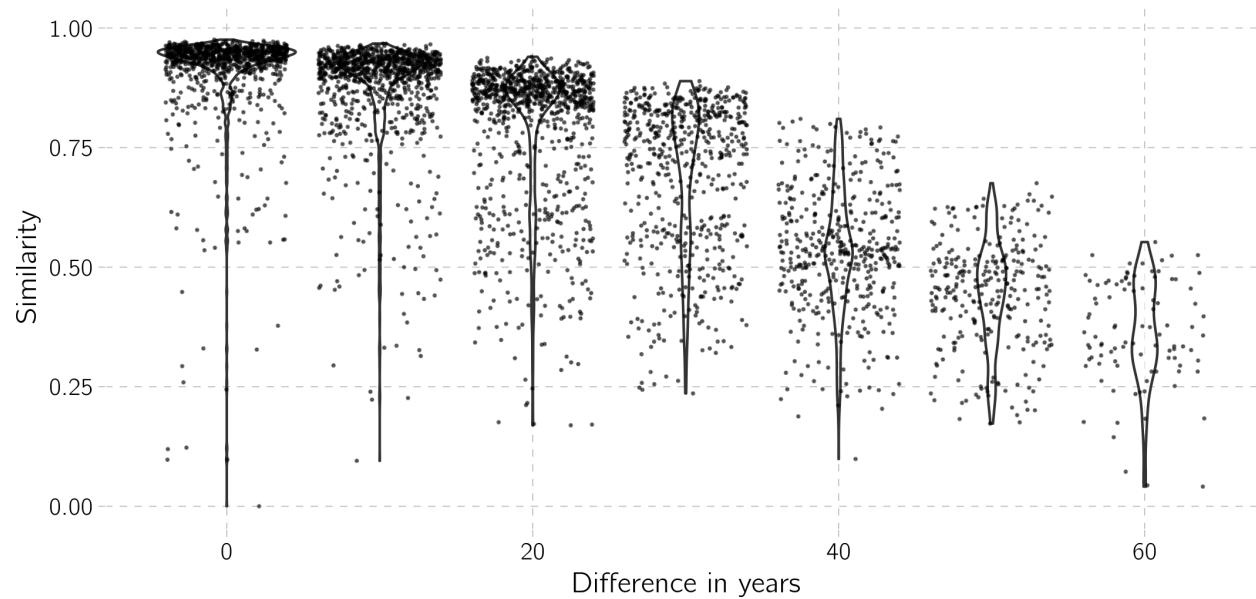
(Grouped every 10 years)



(Frankenreiter 4)

Version 5

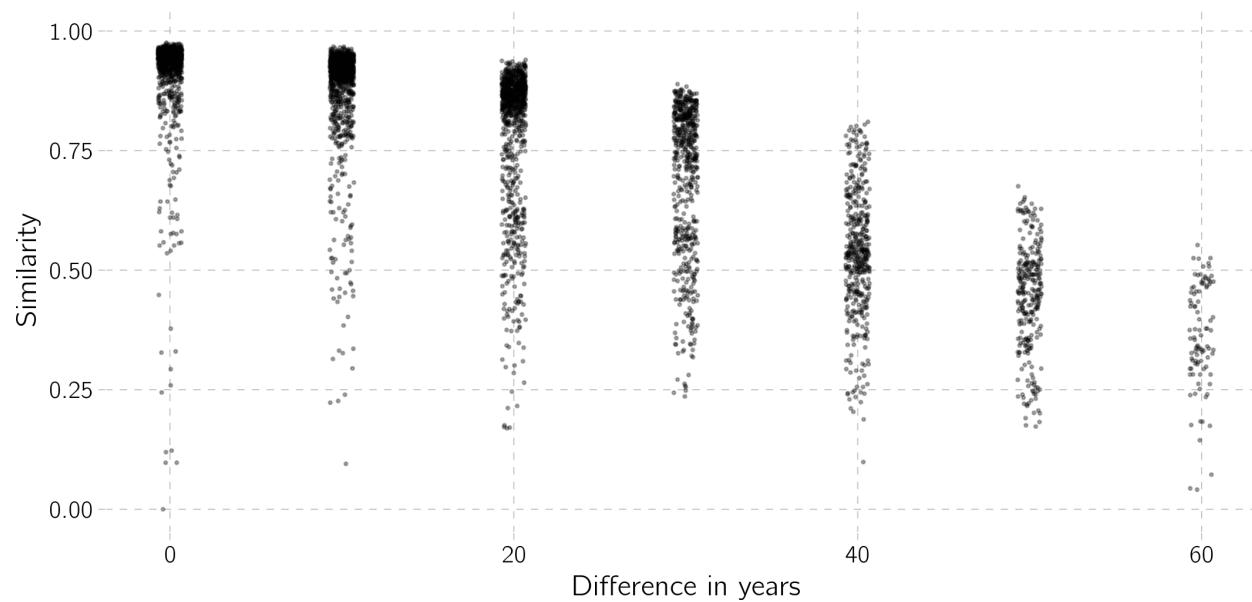
(Grouped every 10 years)



(Frankenreiter 4)

Version 6

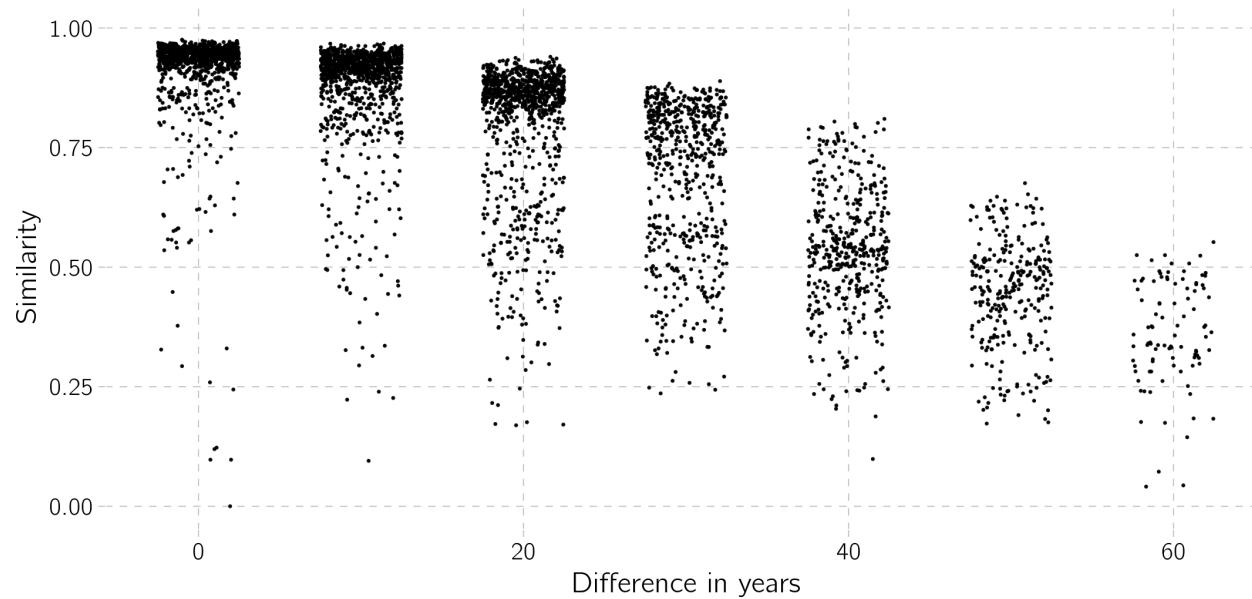
(Grouped every 10 years)



(Frankenreiter 4)

Version 7

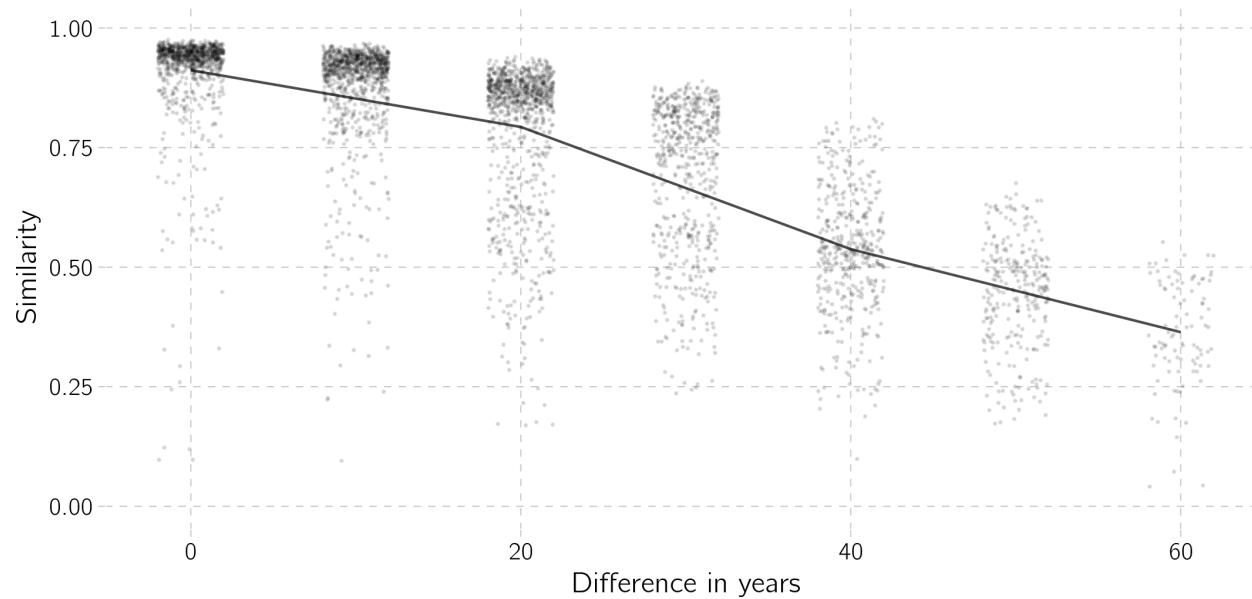
(Grouped every 10 years)



(Frankenreiter 4)

Version 8

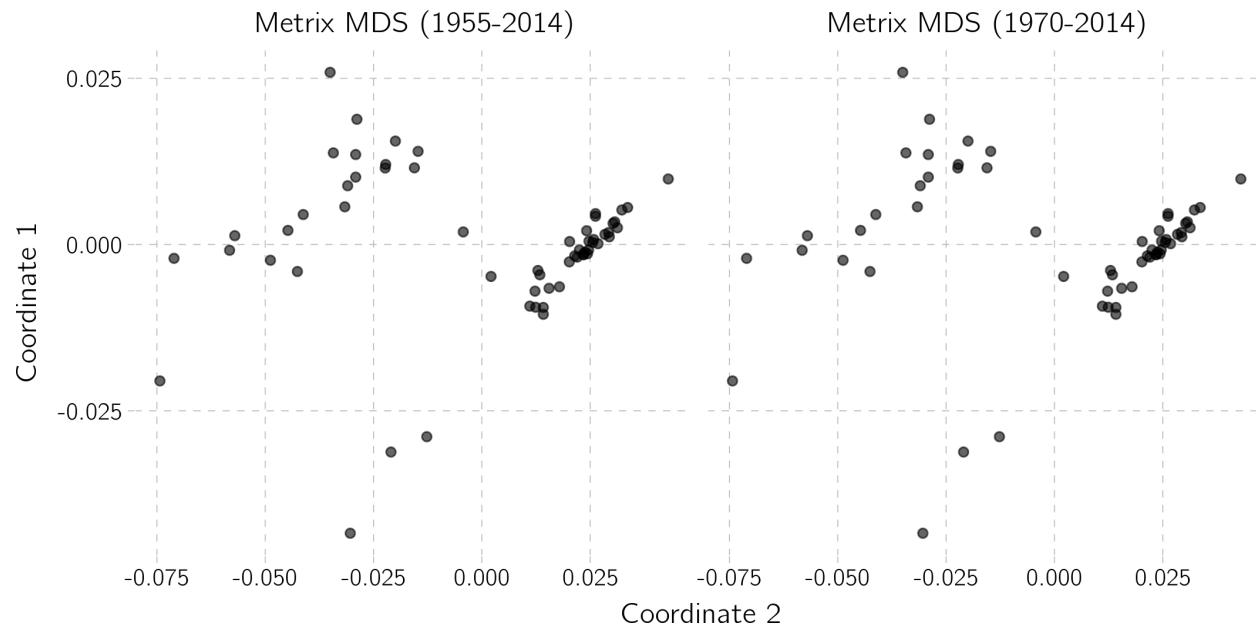
(Grouped every 10 years)



Frankenreiter Figure 5

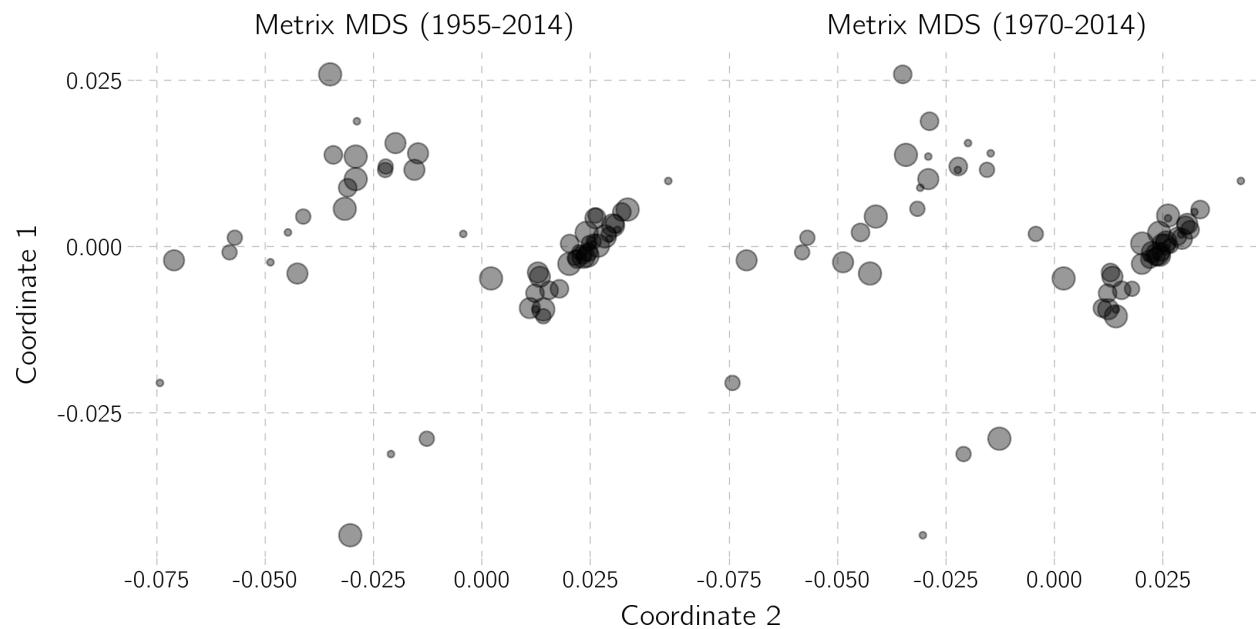
(Frankenreiter 5)

Version 1



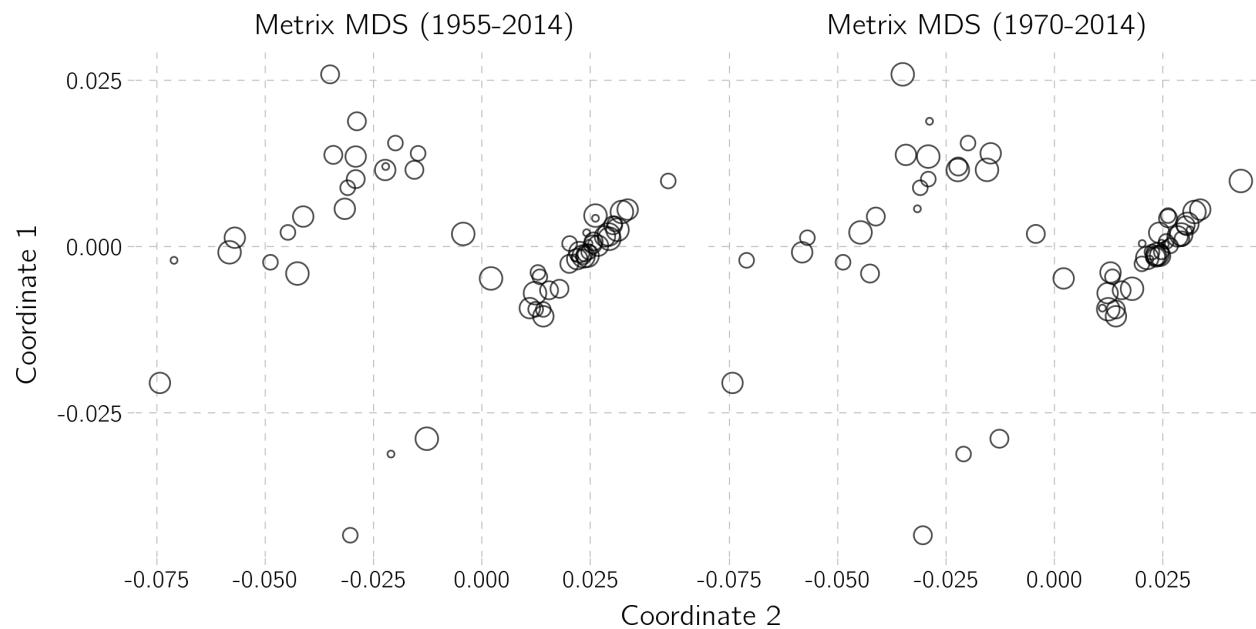
(Frankenreiter 5)

Version 2



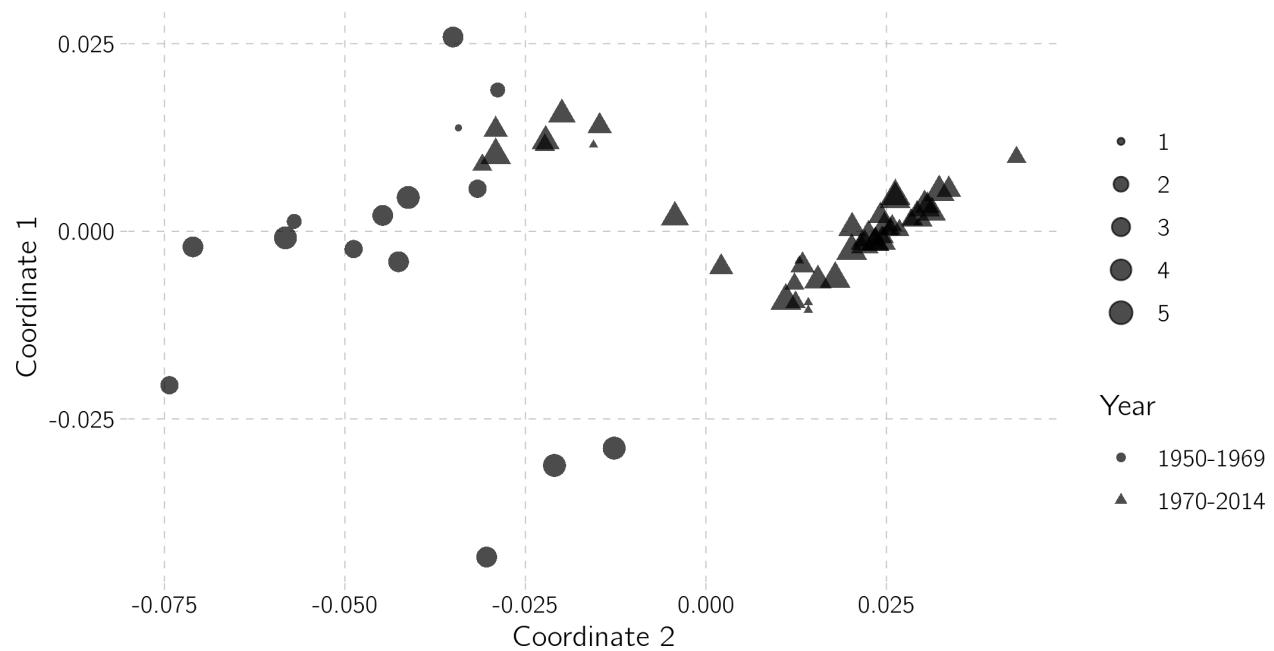
(Frankenreiter 5)

Version 3



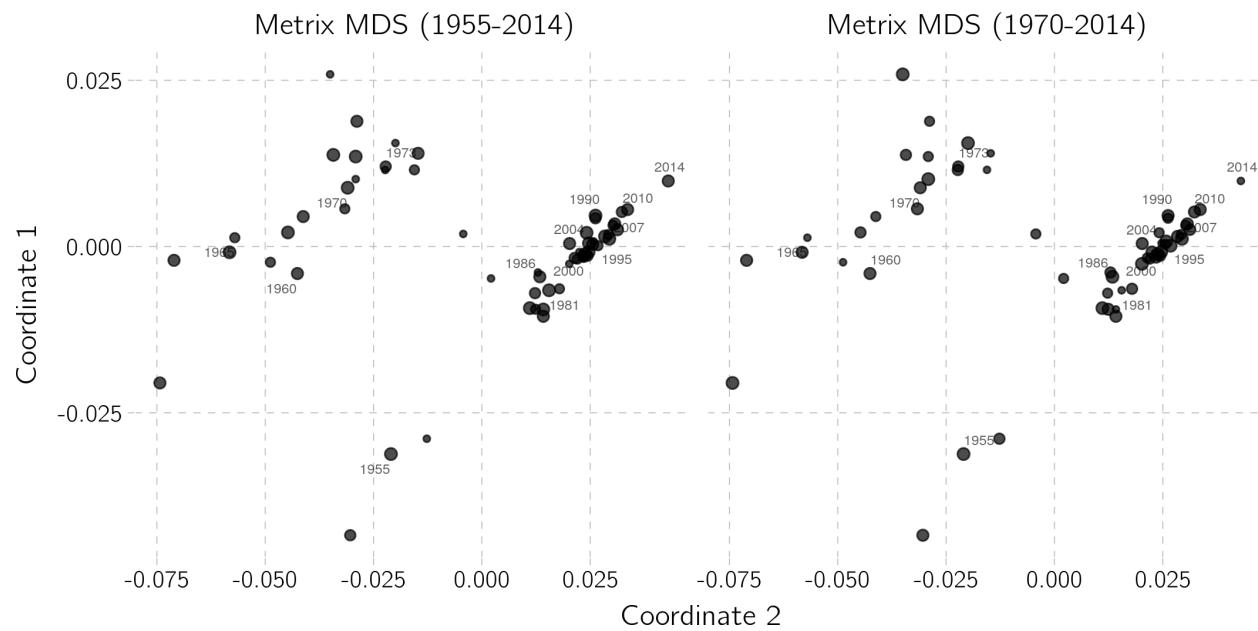
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Version 4



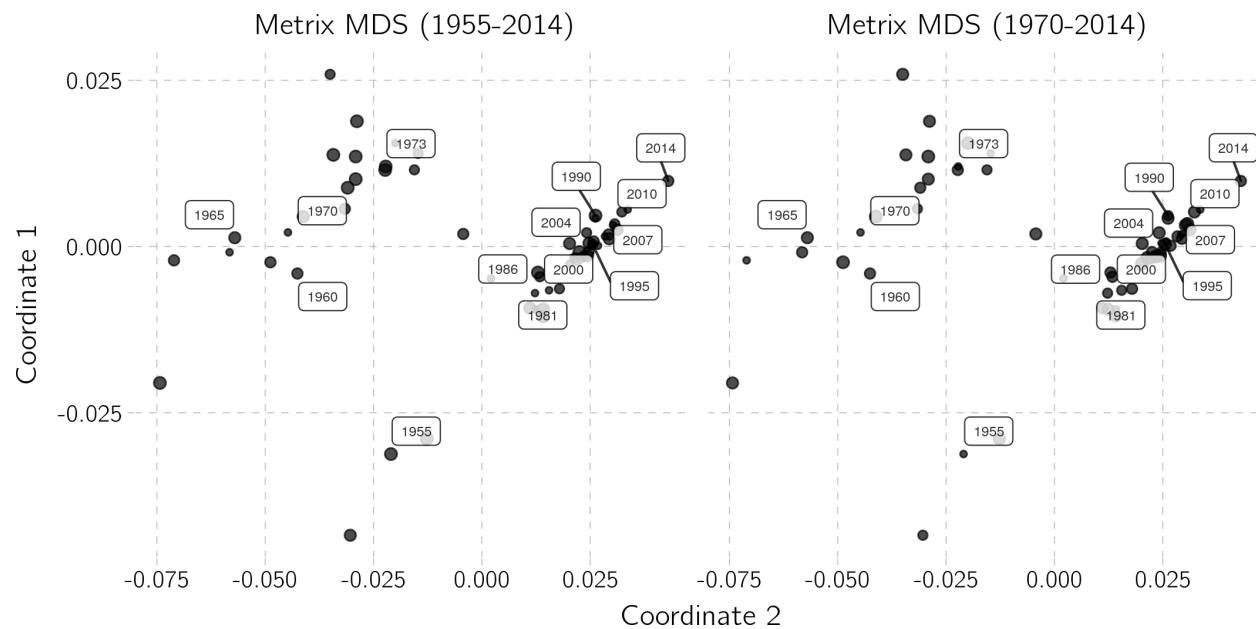
(Frankenreiter 5)

Version 5



(Frankenreiter 5)

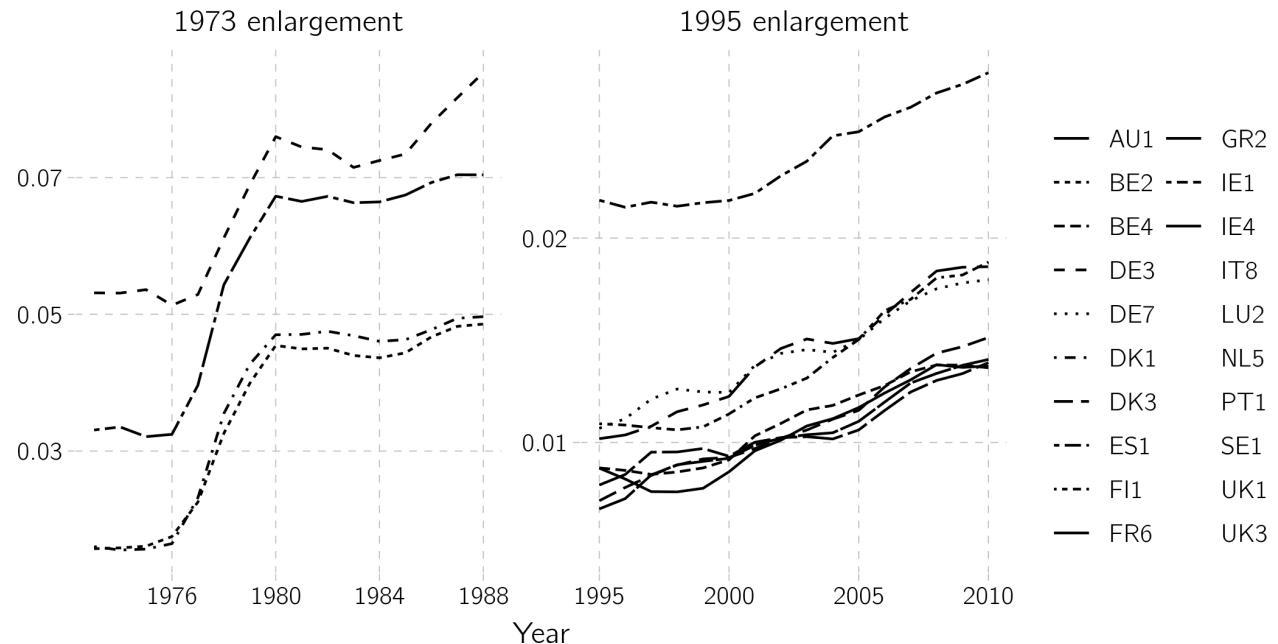
Version 6



Frankenreiter Figure 6

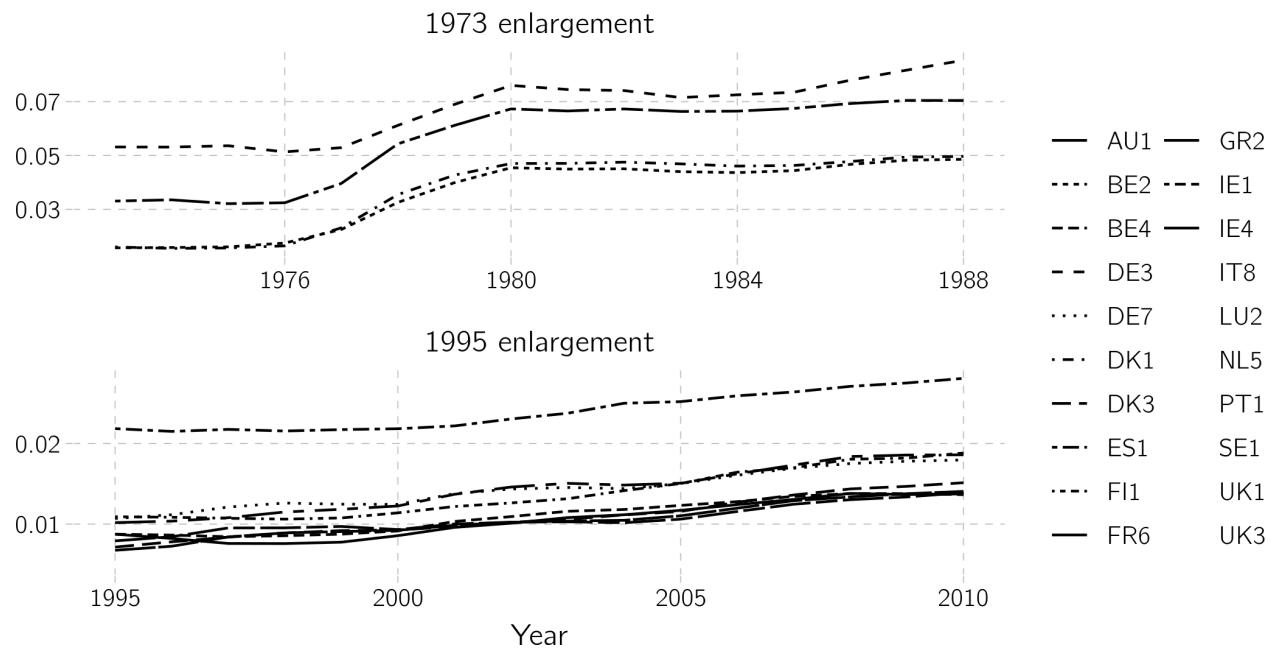
(Frankenreiter 6)

Version 1



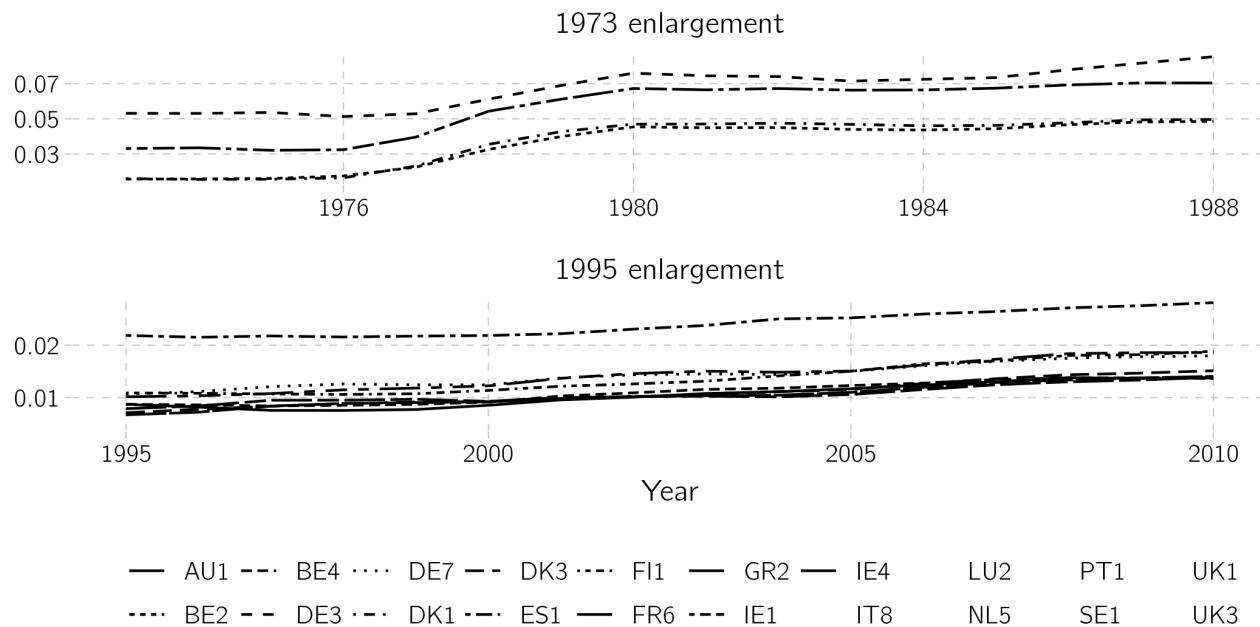
(Frankenreiter 6)

Version 2



(Frankenreiter 6)

Version 3



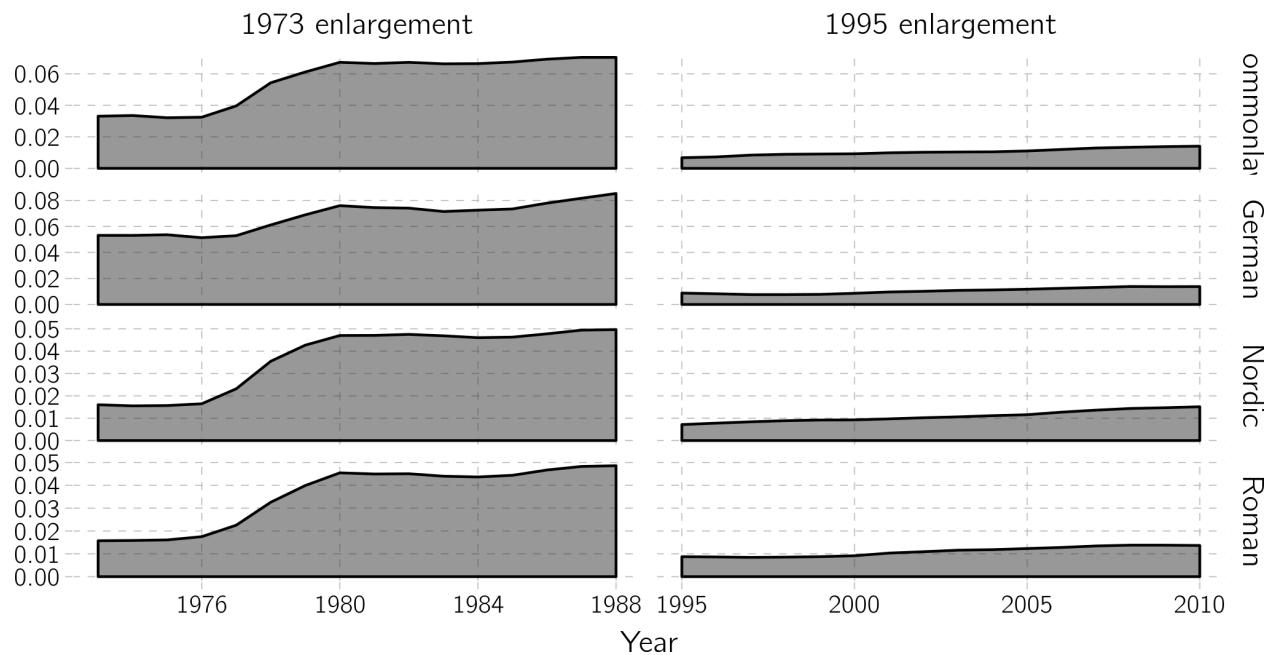
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Version 4



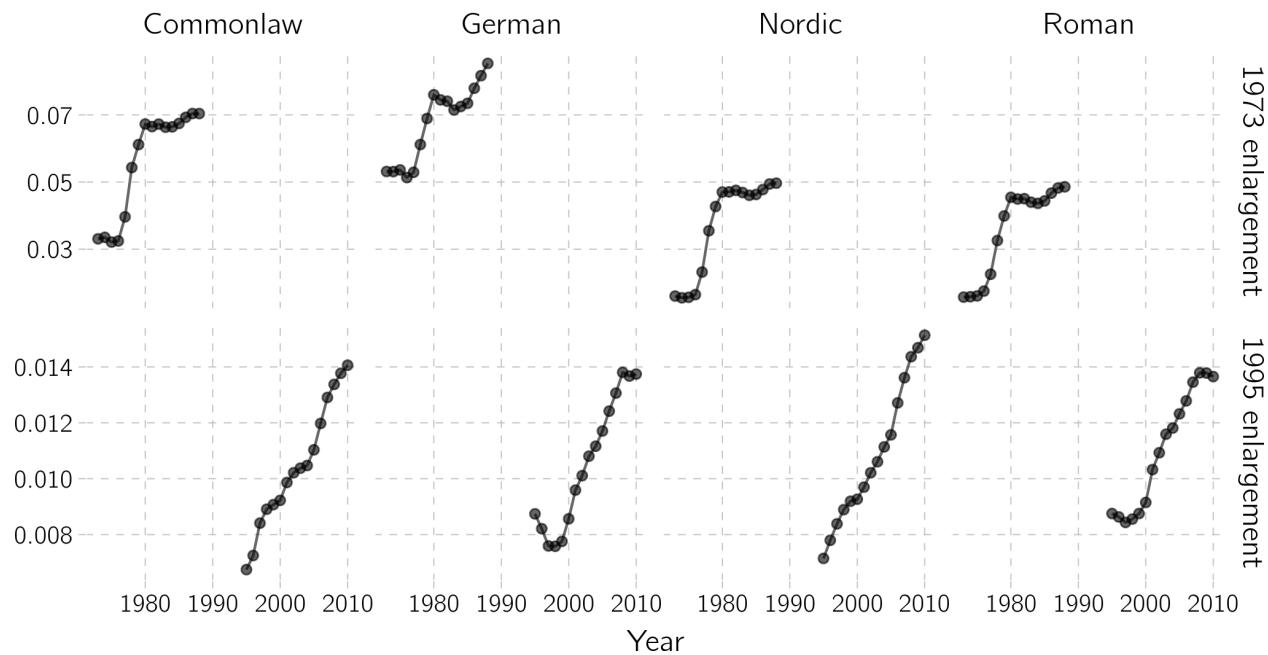
(Frankenreiter 6)

Version 5



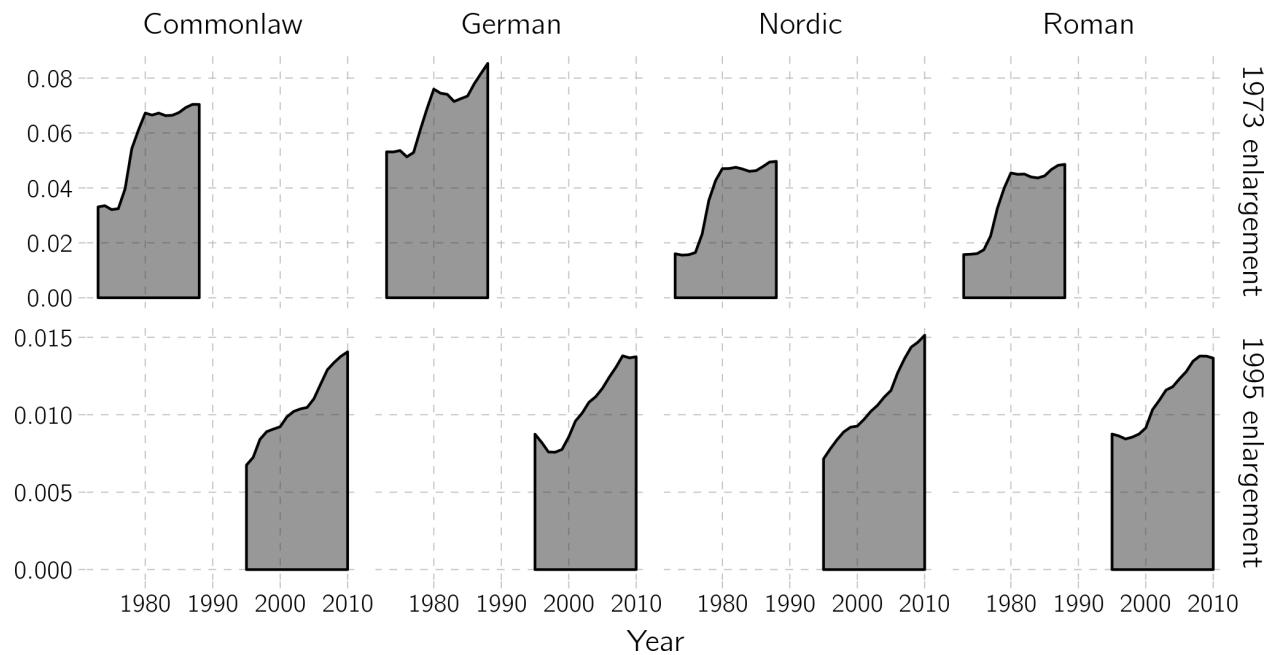
(Frankenreiter 6)

Version 6



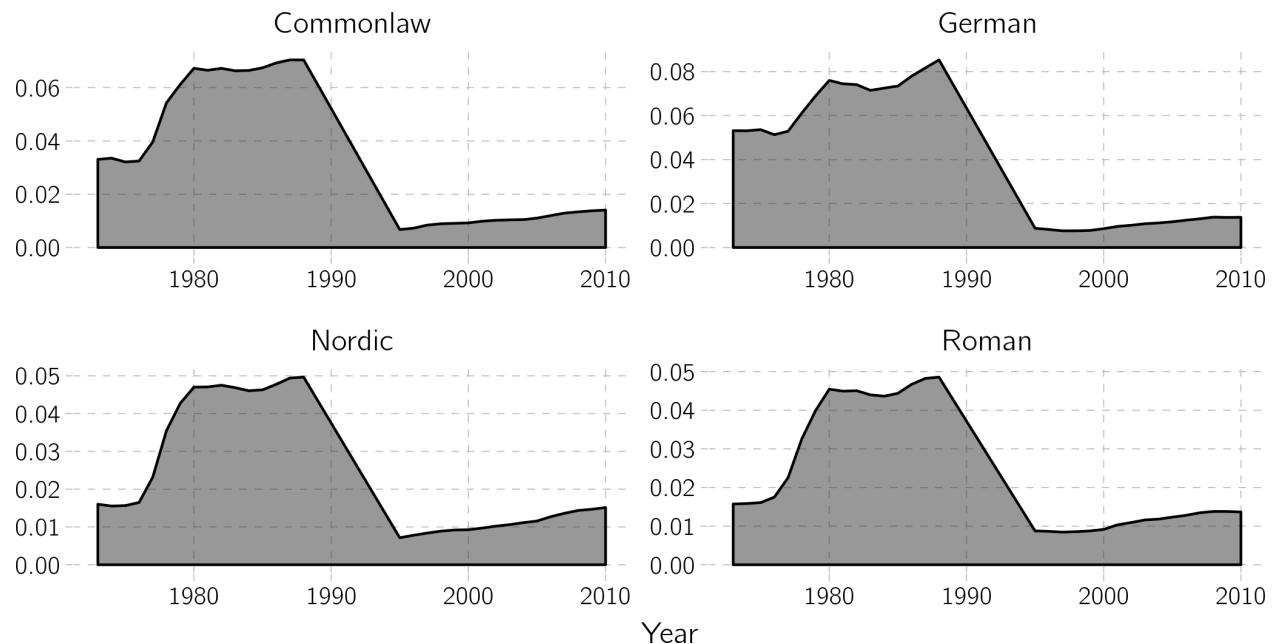
(Frankenreiter 6)

Version 7



(Frankenreiter 6)

Version 8



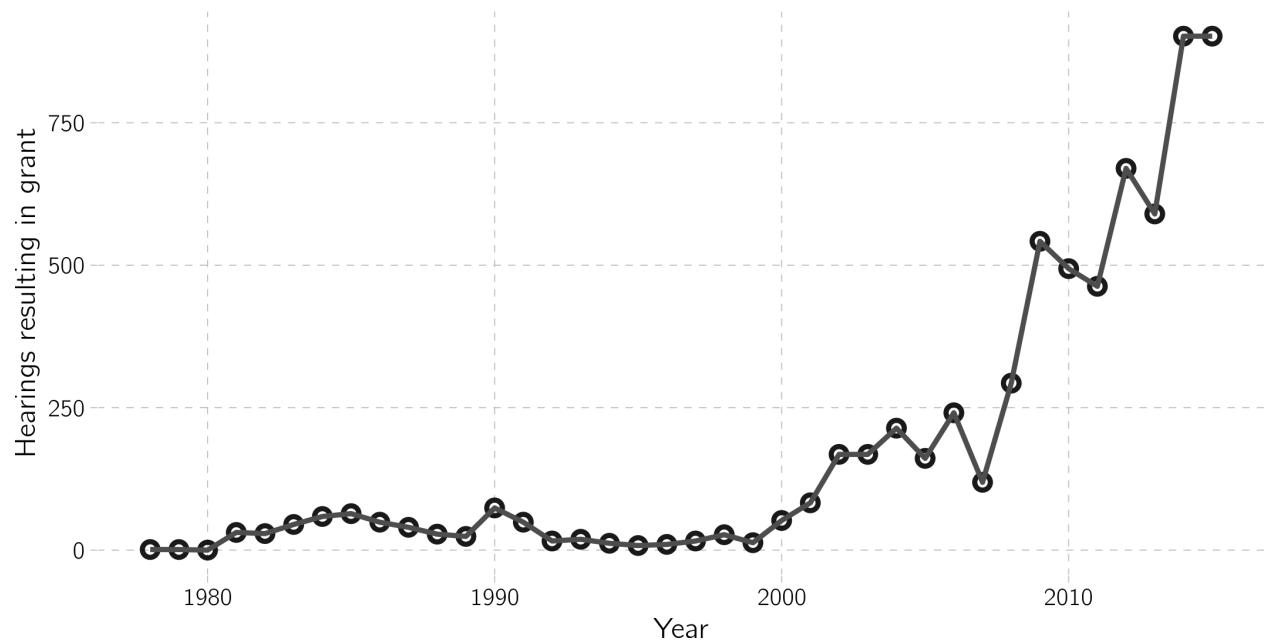
# **Laqueur**

*Laqueur*

*Laqueur Figure 1*

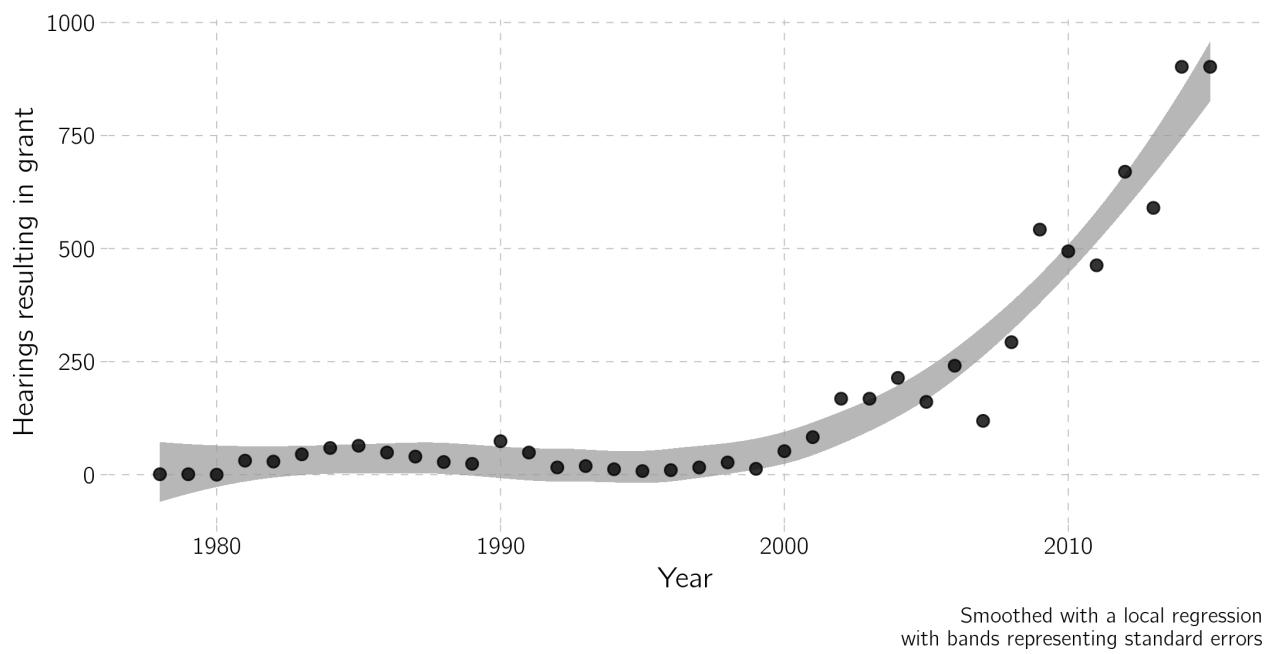
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Version 1



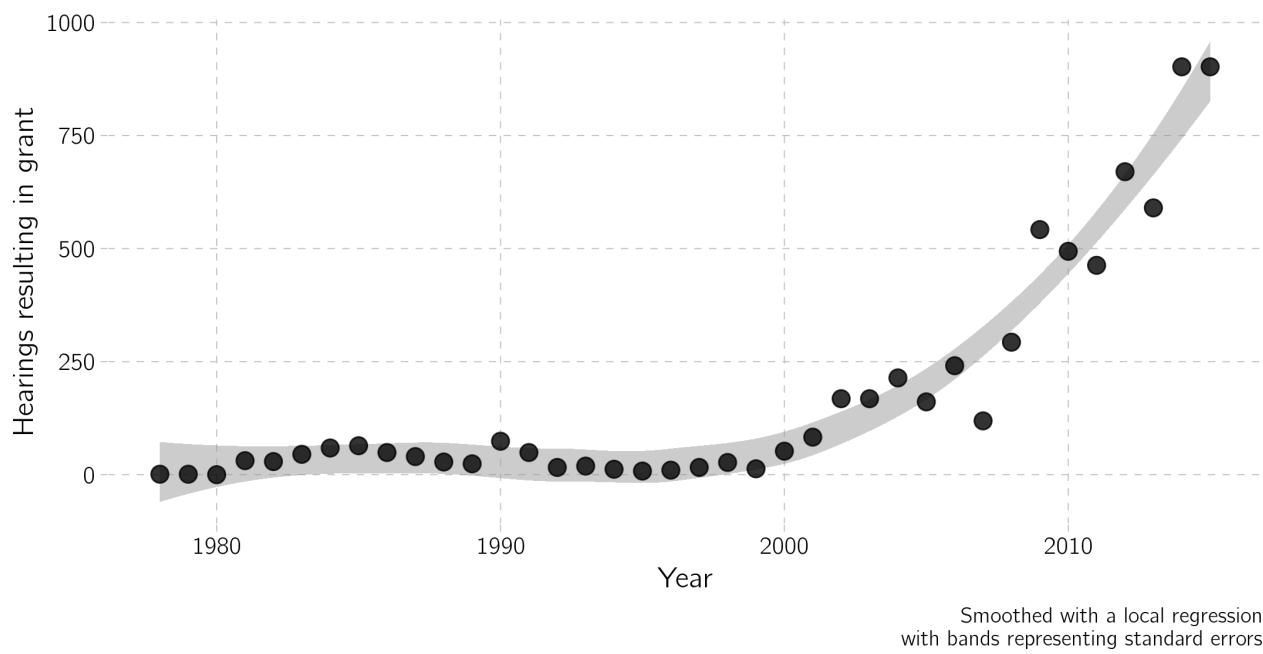
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Version 2



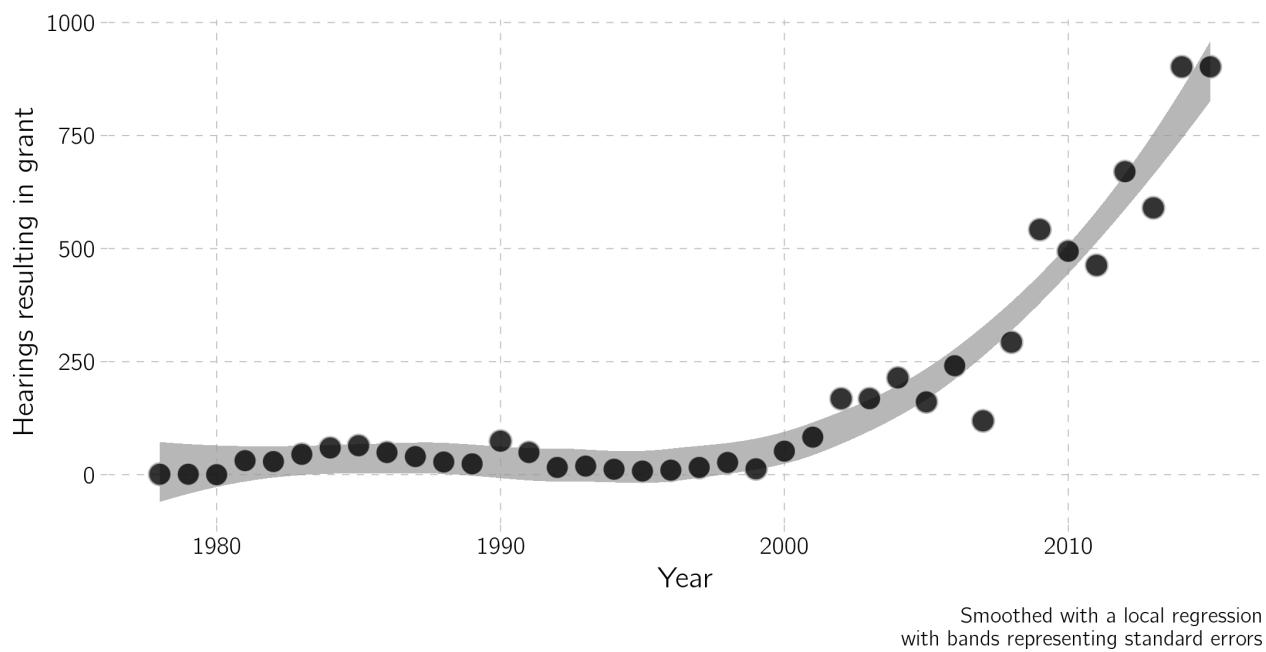
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Version 3



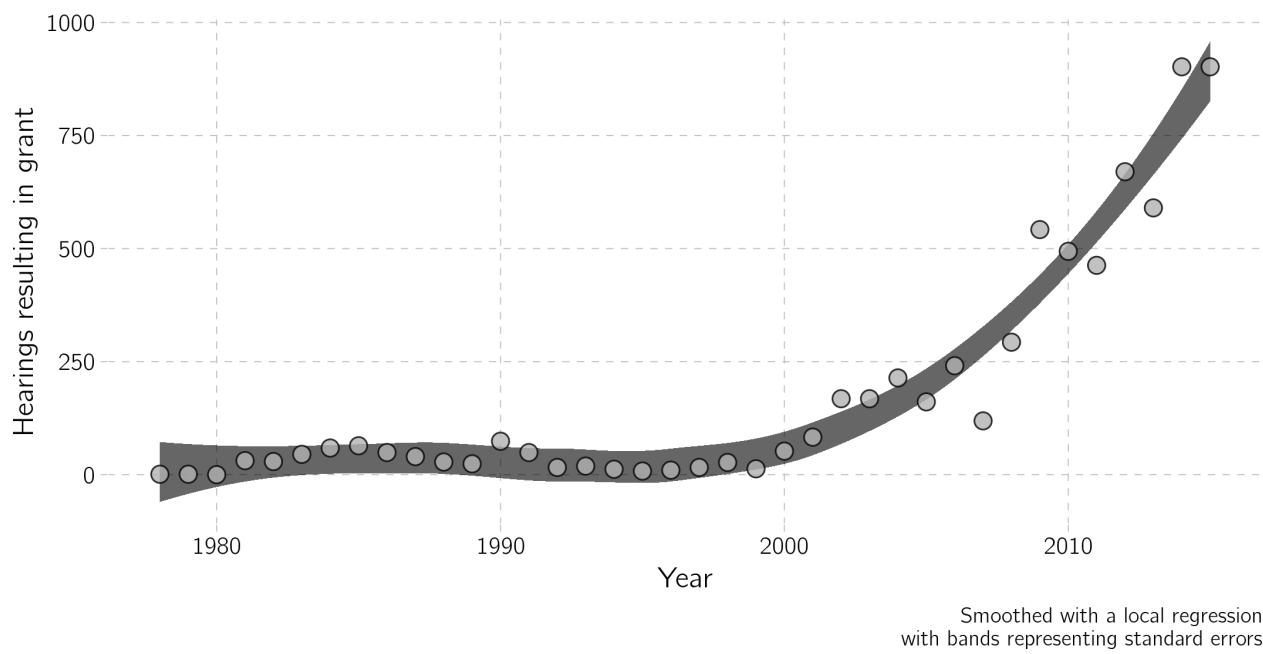
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Version 4



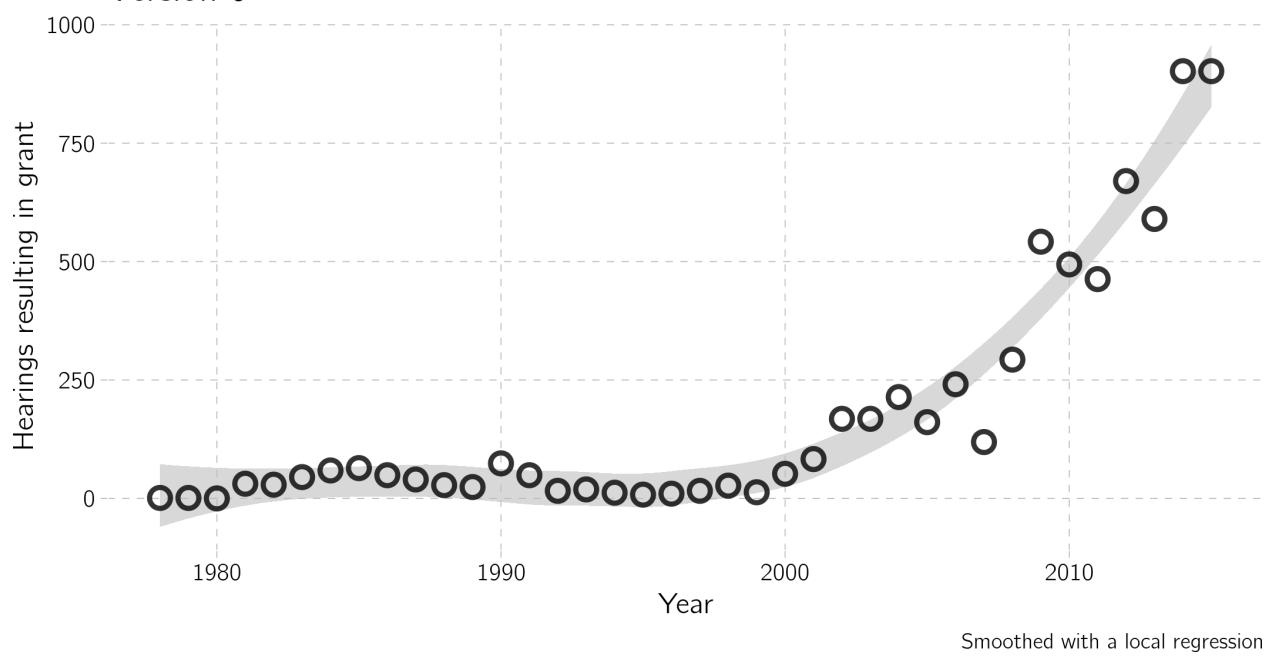
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Version 5



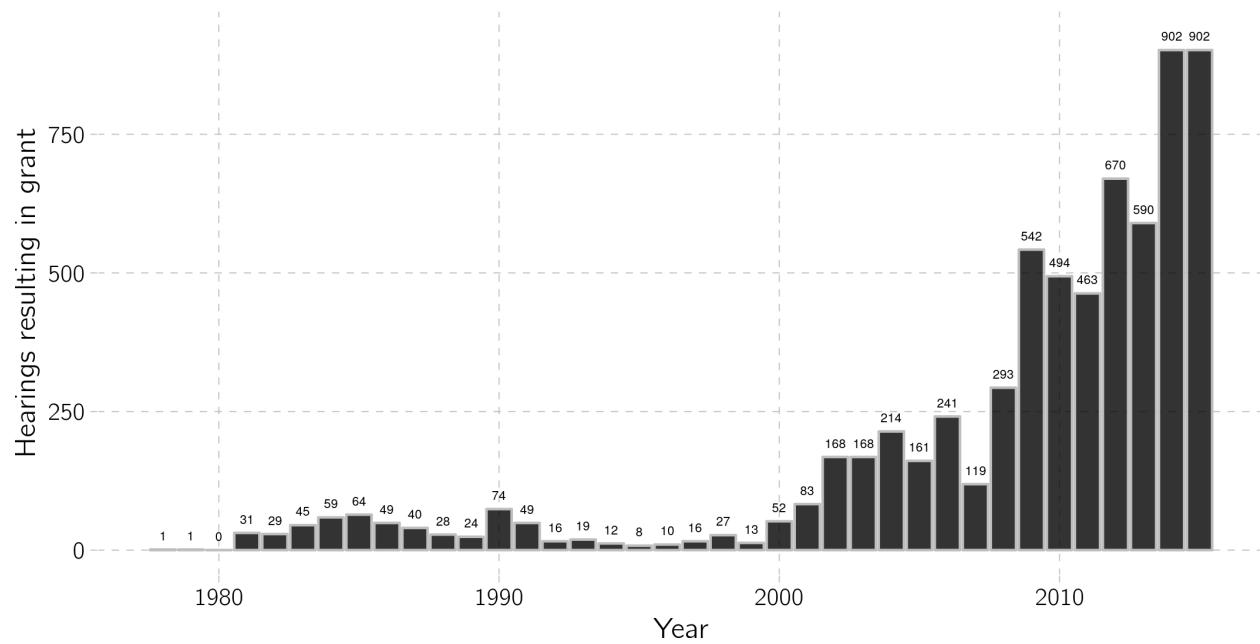
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Version 6



(Laqueur 1)

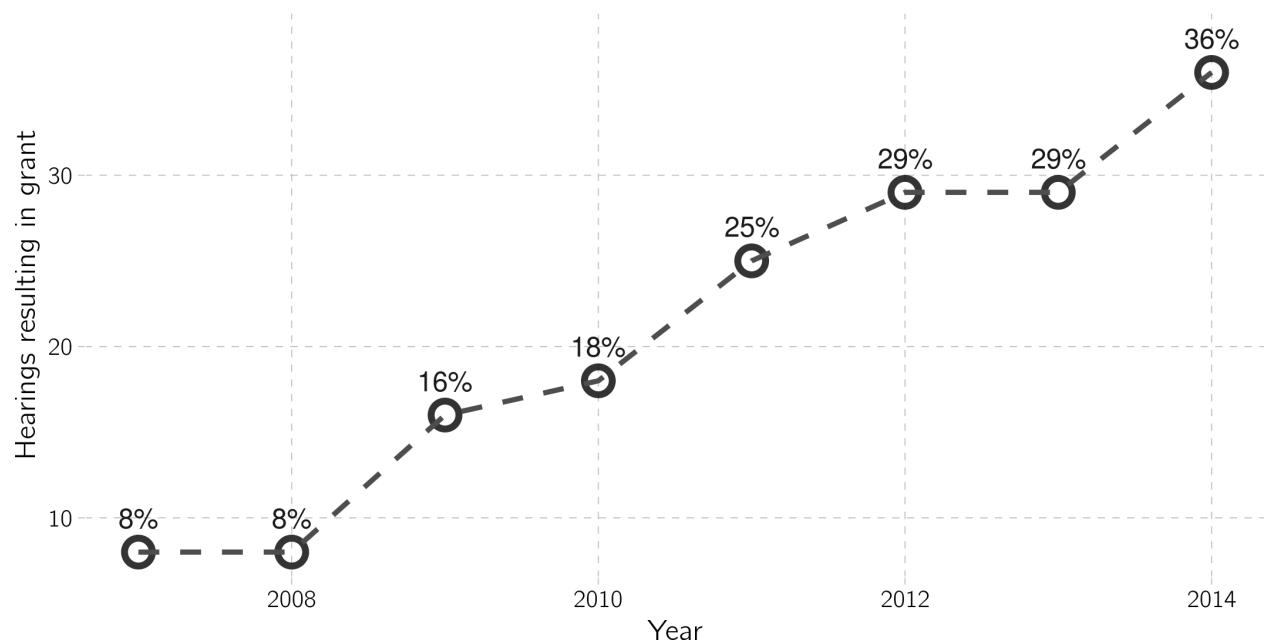
Version 7



Laqueur Figure 2

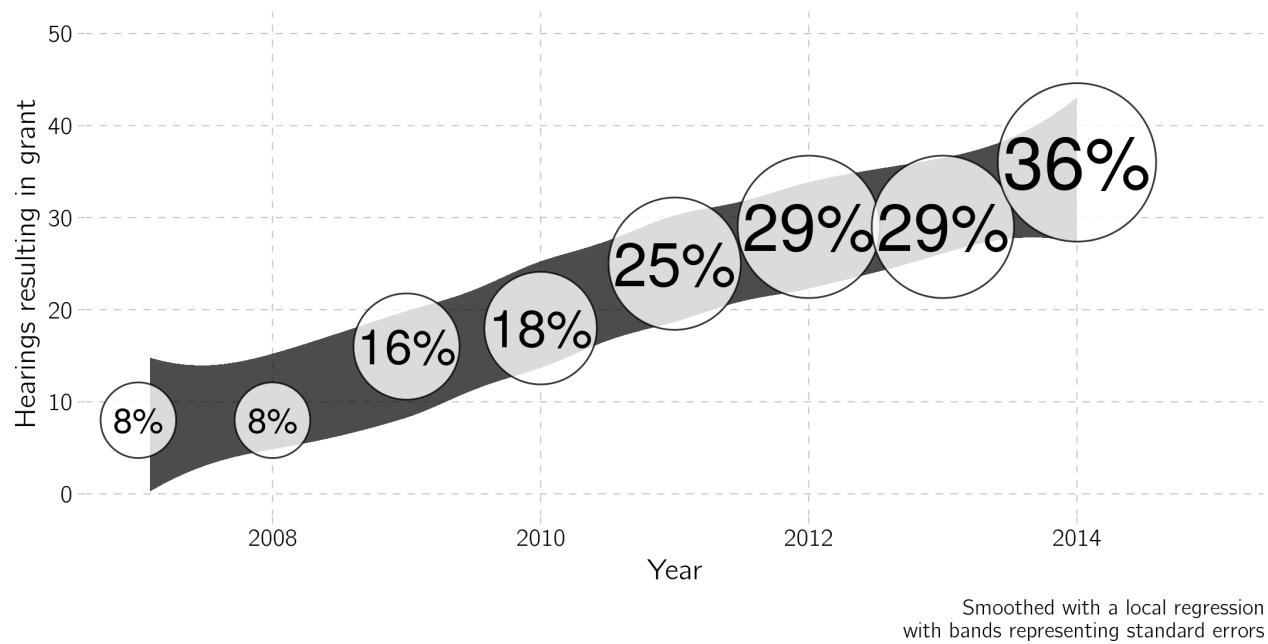
(Laqueur 2)

Version 1



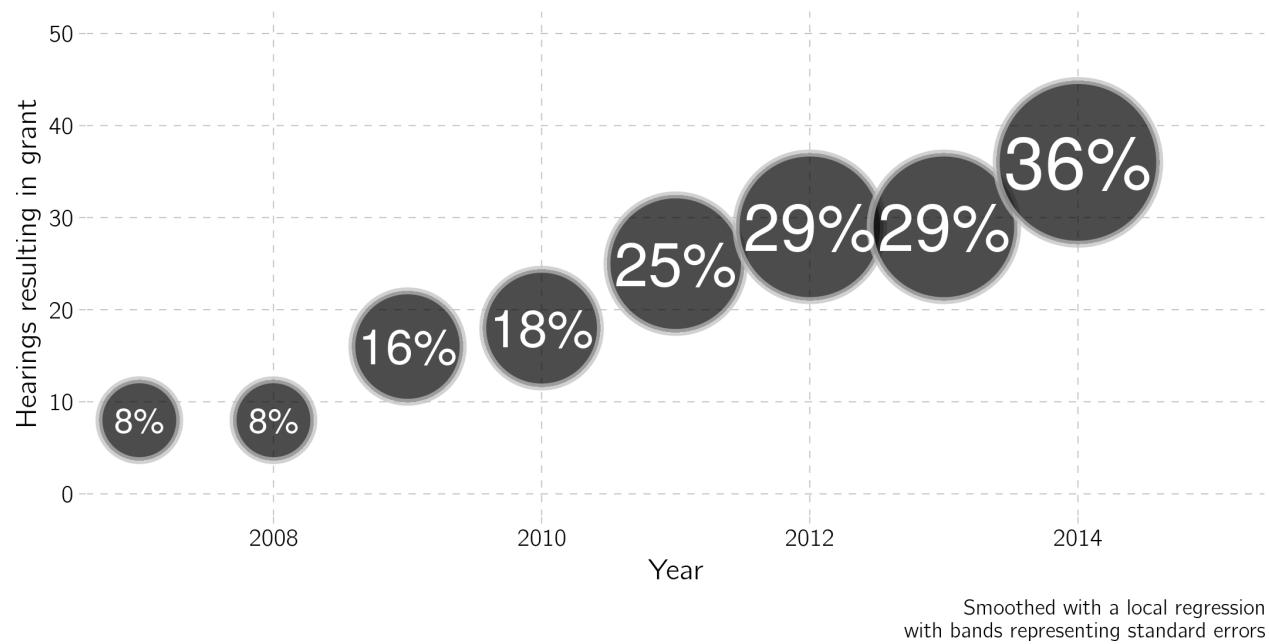
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Version 2



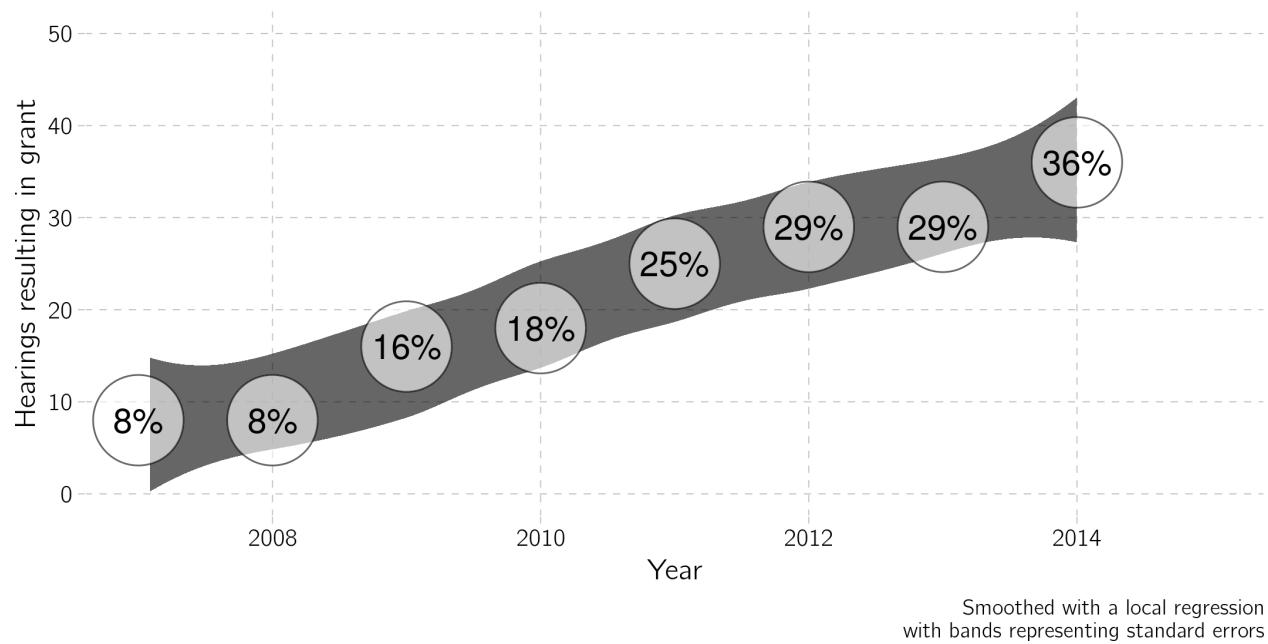
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Version 3



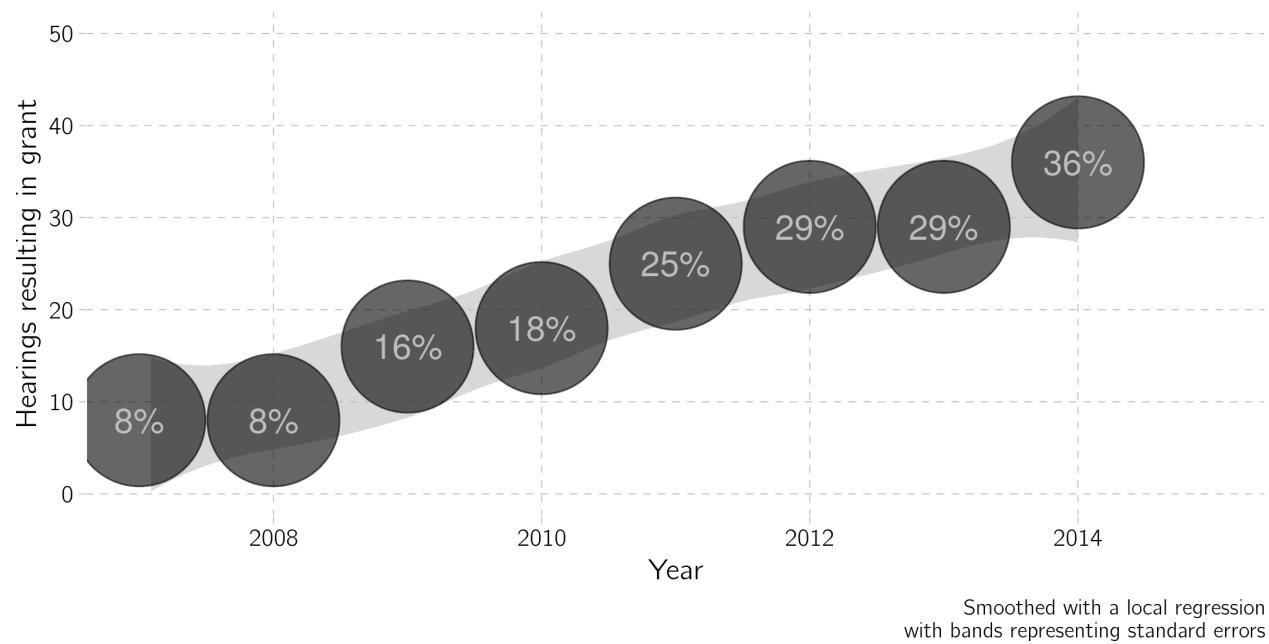
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Version 4



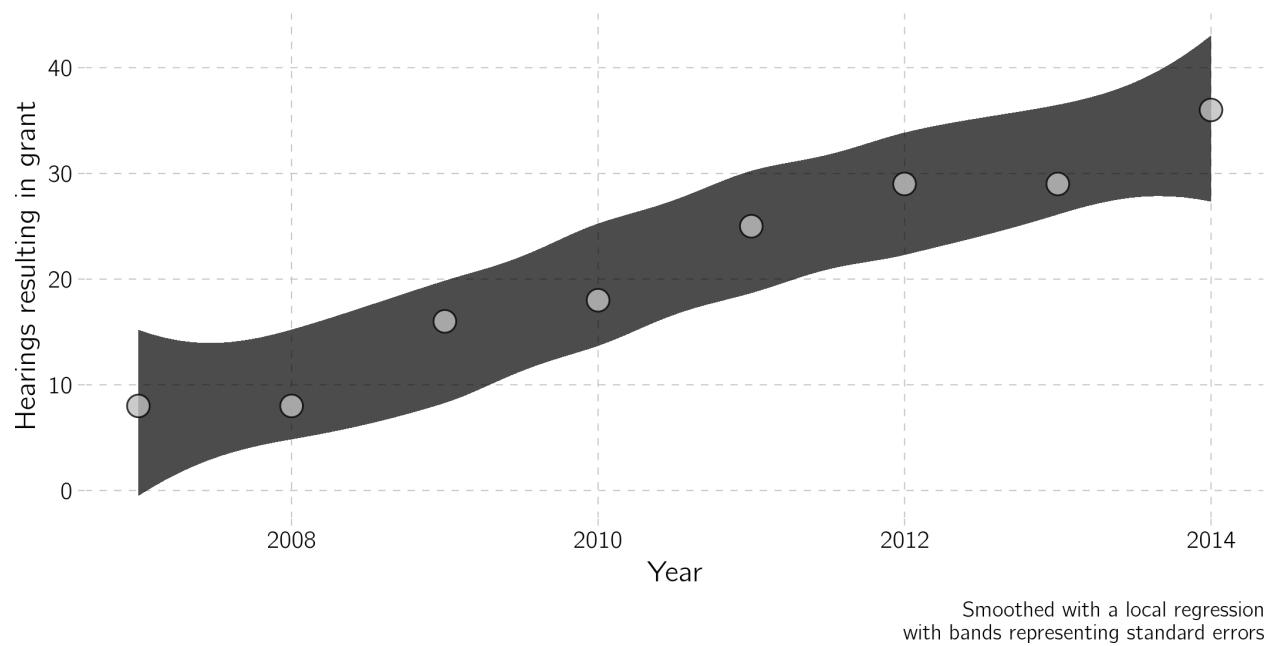
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Version 5



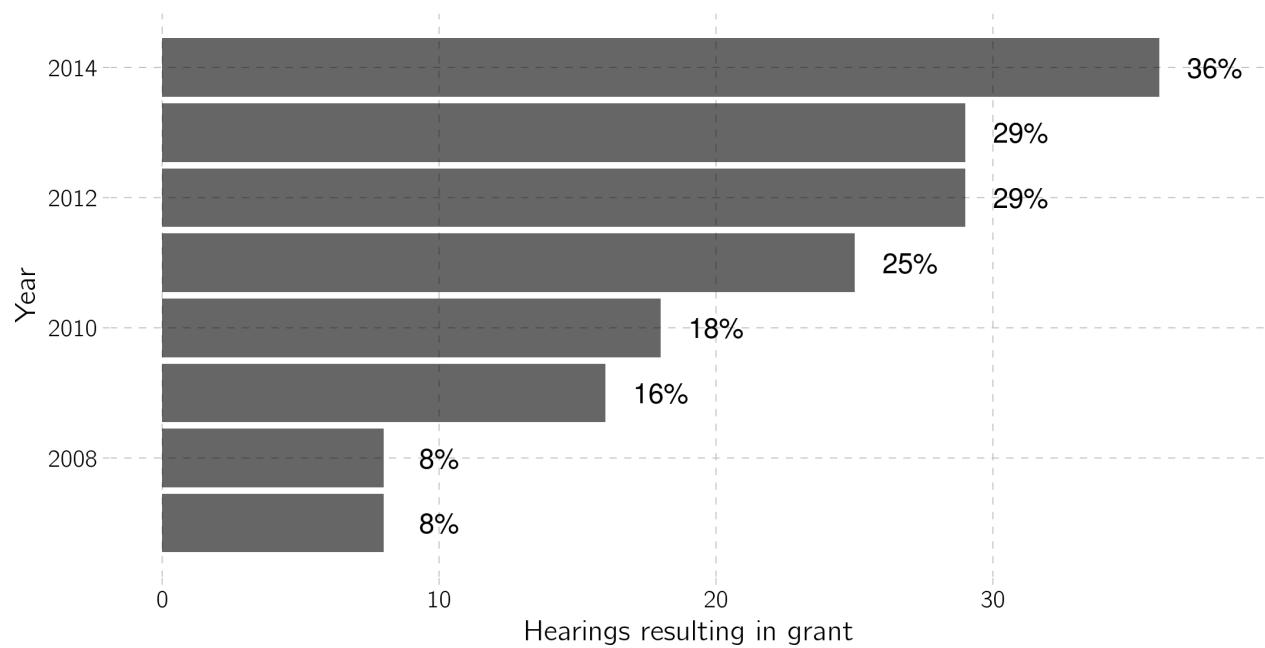
(Laqueur 2)

Version 6



(Laqueur 2)

Version 7



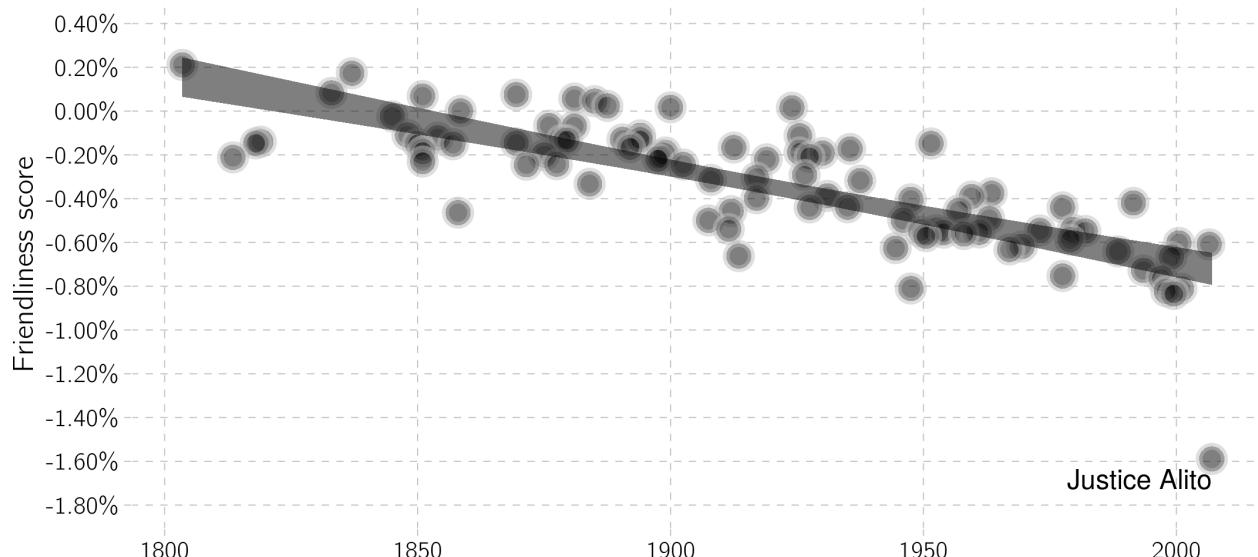
# **Livermore**

*Livermore*

*Livermore Figure 1*

(Livermore 1)

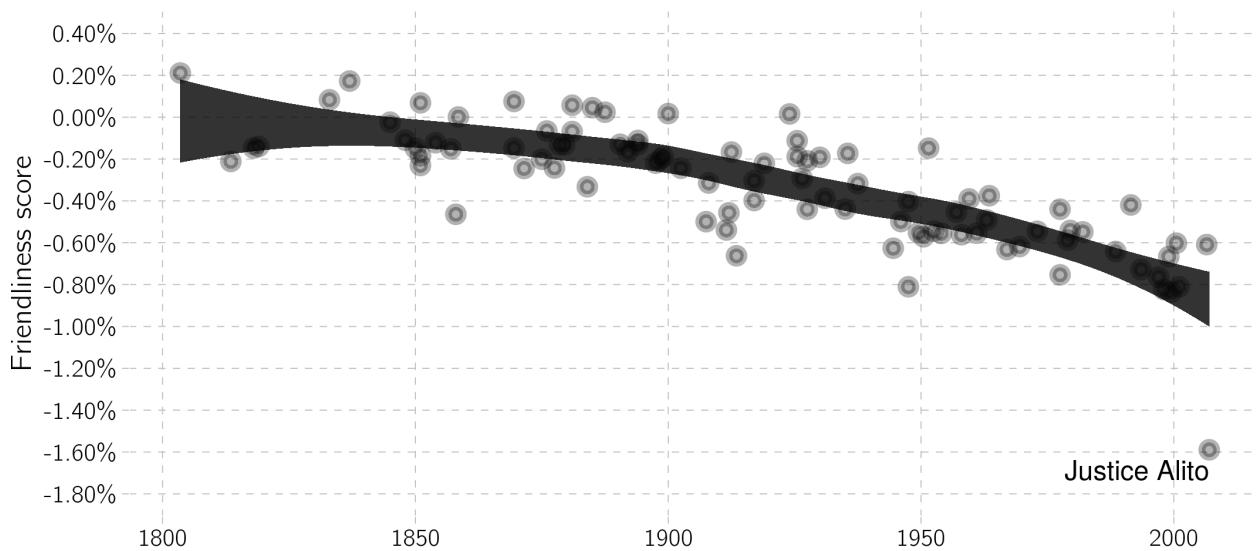
Version 1



Standard errors estimated with a linear regression

(Livermore 1)

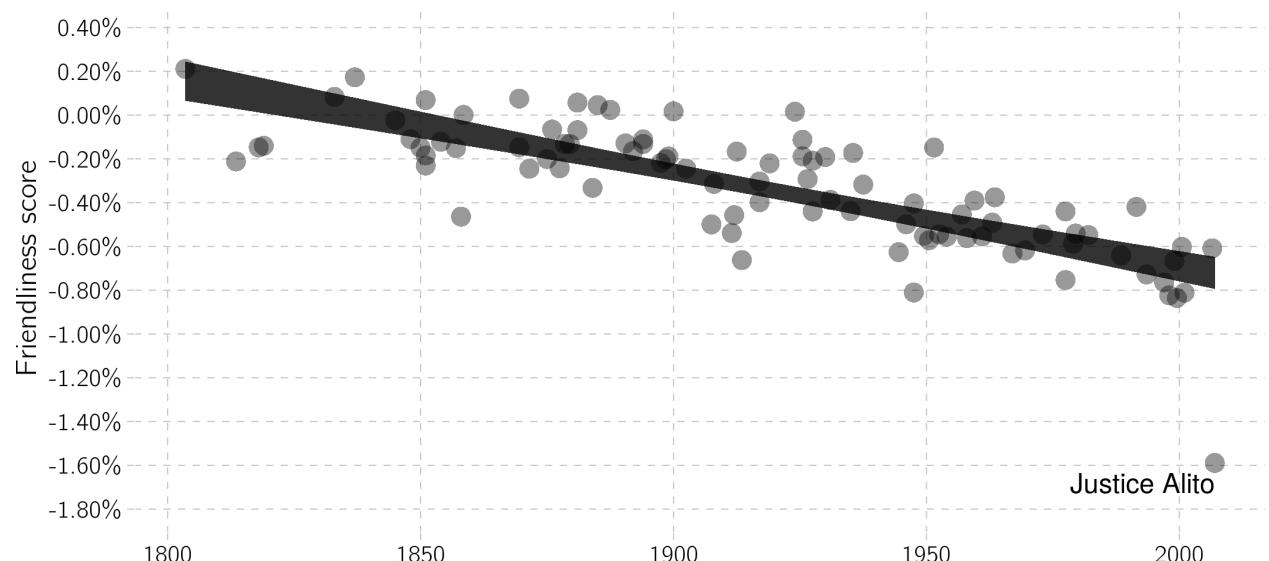
Version 2



Smoothed with a local regression  
with bands representing standard errors

(Livermore 1)

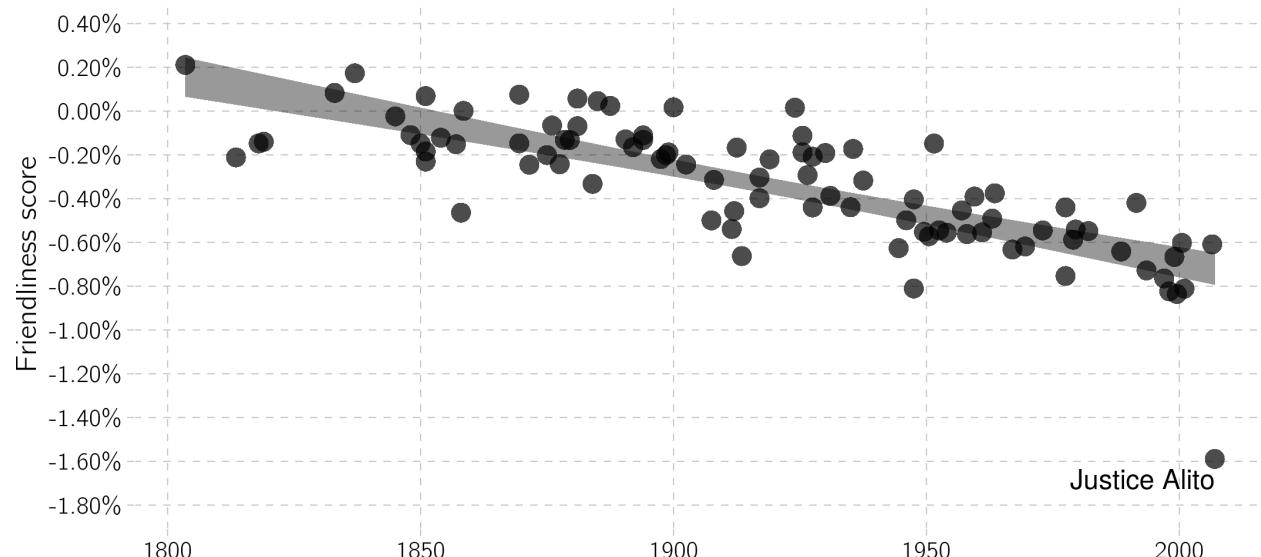
Version 3



Standard errors estimated with a linear regression

(Livermore 1)

Version 4



*Tables*

# Alexander

*Alexander*

*Alexander Table 1*

(Alexander 1)

Case number	Date	Docket text
1:10-cv-00002-ODE	1/4/2010	<b>NOTICE OF REMOVAL with COMPLAINT</b> , filed by Children's Healthcare of Atlanta, Inc.. Consent form to proceed before U.S. Magistrate and pretrial instructions provided. (Filing fee \$ 350.00 receipt number 19815) (Attachments: # 1 Exhibit A, # 2 Civil Cover Sheet)(eop) Please visit our website at <a href="http://www.gand.uscourts.gov">http://www.gand.uscourts.gov</a> to obtain Pretrial Instructions. (Entered: 01/04/2010)
1:10-cv-00002-ODE	1/5/2010	Unopposed MOTION for Extension of Time to File Answer by Children's Healthcare of Atlanta, Inc.. (Attachments: # 1 Text of Proposed Order)(Kotun, Melissa) (Entered: 01/05/2010)
1:10-cv-00002-ODE	1/5/2010	ORDER granting 2 Motion for Extension of Time to Answer; Children's Healthcare of Atlanta, Inc.'s Answer due 1/29/2010. Signed by Magistrate Judge Russell G. Vineyard on 1/5/2010. (ank) (Entered: 01/05/2010)
1:10-cv-00002-ODE	1/29/2010	ANSWER to 1 NOTICE OF REMOVAL with Complaint by Children's Healthcare of Atlanta, Inc.. Discovery ends on 6/28/2010.(Kotun, Melissa) Please visit our website at <a href="http://www.gand.uscourts.gov">http://www.gand.uscourts.gov</a> to obtain Pretrial Instructions. (Entered: 01/29/2010)
1:10-cv-00002-ODE	1/29/2010	Certificate of Interested Persons by Children's Healthcare of Atlanta, Inc.. (Kotun, Melissa) (Entered: 01/29/2010)
1:10-cv-00002-ODE	2/2/2010	Guidelines for Discovery and Motion Practice. Signed by Magistrate Judge Russell G. Vineyard on 2/2/2010. (ank) (Entered: 02/03/2010)
1:10-cv-00002-ODE	2/23/2010	Joint PRELIMINARY REPORT AND DISCOVERY PLAN filed by Emmanuel Nketop, Children's Healthcare of Atlanta, Inc.. (Kotun, Melissa) (Entered: 02/23/2010)
1:10-cv-00002-ODE	2/27/2010	Initial Disclosures by Emmanuel Nketop.(Fuchs, Dean) (Entered: 02/27/2010)
1:10-cv-00002-ODE	3/2/2010	Initial Disclosures by Children's Healthcare of Atlanta, Inc..(Kotun, Melissa) (Entered: 03/02/2010)
1:10-cv-00002-ODE	3/5/2010	Certificate of Interested Persons by Emmanuel Nketop. (Fuchs, Dean) (Entered: 03/05/2010)
1:10-cv-00002-ODE	3/10/2010	SCHEDULING ORDER approving the 7 Preliminary Report and Discovery Plan. Discovery ends on 6/28/2010. Summary Judgment Motions due by 7/28/2010. Proposed Consolidated Pretrial Order due by 8/9/2010. The Clerk is DIRECTED to submit the action by 8/19/2010 if the parties have not filed a motion for summary judgment or proposed consolidated pretrial order. The Clerk is DIRECTED to change the docket to reflect the correct spelling of the Plaintiff's last name as "Ntekop." Signed by Magistrate Judge Russell G. Vineyard on 3/9/2010. (ank) (Entered: 03/10/2010)
1:10-cv-00002-ODE	4/2/2010	CERTIFICATE OF SERVICE filed by Children's Healthcare of Atlanta, Inc. Defendant's First Interrogatories (Kotun, Melissa) (Entered: 04/02/2010)
1:10-cv-00002-ODE	4/2/2010	CERTIFICATE OF SERVICE filed by Children's Healthcare of Atlanta, Inc. Defendant's First Request for Production of Documents (Kotun, Melissa) (Entered: 04/02/2010)

1:10-cv-00002-ODE	4/19/2010	CERTIFICATE OF SERVICE re: Plaintiff's First Interrogatories to Defendant by Emmanuel Ntekop.(Fuchs, Dean) (Entered: 04/19/2010)
1:10-cv-00002-ODE	4/19/2010	CERTIFICATE OF SERVICE re: Plaintiff's First Request for Production of Documents to Defendant by Emmanuel Ntekop.(Fuchs, Dean) (Entered: 04/19/2010)
1:10-cv-00002-ODE	5/5/2010	CERTIFICATE OF SERVICE re: Plaintiff's Responses to Defendant's First Interrogatories by Emmanuel Ntekop.(Fuchs, Dean) (Entered: 05/05/2010)
1:10-cv-00002-ODE	5/5/2010	CERTIFICATE OF SERVICE re: Plaintiff's Responses to Defendant's First Request for Production of Documents by Emmanuel Ntekop.(Fuchs, Dean) (Entered: 05/05/2010)
1:10-cv-00002-ODE	5/10/2010	JOINT STIPULATION and Proposed Order of Confidentiality by Emmanuel Ntekop, Children's Healthcare of Atlanta, Inc.. (Kotun, Melissa) Modified on 5/10/2010 in order to update docket text (ank). (Entered: 05/10/2010)
1:10-cv-00002-ODE	5/11/2010	STIPULATION AND ORDER OF CONFIDENTIALITY. Signed by Magistrate Judge Russell G. Vineyard on 5/11/2010. (ank) (Entered: 05/12/2010)
1:10-cv-00002-ODE	6/22/2010	ORDER REASSIGNING CASE. Case reassigned to Magistrate Judge Walter E. Johnson for all further proceedings. Magistrate Judge Russell G. Vineyard no longer assigned to case. Signed by Magistrate Judge Russell G. Vineyard on 6/22/2010. (ank) (Entered: 06/23/2010)
1:10-cv-00002-ODE	6/23/2010	NOTICE TO ALL COUNSEL OF RECORD re Magistrate Judge reassignment (ank) (Entered: 06/23/2010)
1:10-cv-00002-ODE	6/24/2010	Joint MOTION for Extension of Time to Complete Discovery by Emmanuel Ntekop, Children's Healthcare of Atlanta, Inc.. (Attachments: # 1 Text of Proposed Order)(Kotun, Melissa) (Entered: 06/24/2010)
1:10-cv-00002-ODE	6/29/2010	ORDER granting 22 Motion for Extension of Time to Complete Discovery. Discovery ends on 9/15/2010. All post-discovery deadlines are likewise extended. Signed by Magistrate Judge Walter E. Johnson on 6/29/10. (klb) (Entered: 06/29/2010)
1:10-cv-00002-ODE	8/3/2010	Request for Leave of Absence for the following date(s): 8/23, 8/24, 8/25, 8/26, 8/27, 8/30, 8/31, 9/1, 9/2, 9/3, 9/6, 9/7/2010, by Dean Richard Fuchs. (Fuchs, Dean) (Entered: 08/03/2010)
1:10-cv-00002-ODE	9/13/2010	Joint MOTION for Extension of Time to Complete Discovery (Second) by Children's Healthcare of Atlanta, Inc., Emmanuel Ntekop. (Attachments: # 1 Text of Proposed Order)(Kotun, Melissa) (Entered: 09/13/2010)
1:10-cv-00002-ODE	10/13/2010	STIPULATION of Dismissal With Prejudice by Children's Healthcare of Atlanta, Inc., Emmanuel Ntekop. (Fuchs, Dean) (Entered: 10/13/2010)
1:10-cv-00002-ODE	1/4/2010	Submission of 1 Notice of Removal for Review, submitted to District Judge Orinda D. Evans. (eop) (Entered: 01/04/2010)
1:10-cv-00002-ODE	6/29/2010	Reset Scheduling Order Deadlines: Discovery ends on 9/15/2010. Motions for summary judgment due 10/15/10. Proposed Pretrial Order due by 10/15/2010 or within 30 days from a final ruling on any motion for summary judgment that is not dispositive of all claims. (klb) (Entered: 06/29/2010)

1:10-cv-00002-ODE	9/14/2010	ORAL ORDER granting 25 Joint Motion for Extension of Time to Complete Discovery Discovery ends on 9/24/2010. All post-discovery deadlines are likewise extended. Entered by Magistrate Judge Walter E. Johnson on 9/14/10. (klb) (Entered: 09/14/2010)
1:10-cv-00002-ODE	9/14/2010	Reset Scheduling Order Deadlines: Discovery ends on 9/24/2010. Motions for summary judgment due 10/25/10. Proposed Pretrial Order due by 10/25/2010 or within 30 days from a final ruling on any motion for summary judgment that is not dispositive of all claims.(klb) (Entered: 09/14/2010)
1:10-cv-00002-ODE	10/13/2010	Clerk's Entry of Dismissal APPROVING 26 Stipulation of Dismissal pursuant to Fed.R.Civ.P.41(a)(1)(ii) (ank) (Entered: 10/15/2010)
1:10-cv-00002-ODE	10/13/2010	Civil Case Terminated. Magistrate Judge Walter E. Johnson terminated from case. (ank) (Entered: 10/15/2010)

Alexander Table 6

## (Alexander 6)

Case number	Docket text	Paired order text	Filled by	Adoption	Case ended
1:10-cv-00007-JEC	FINAL REPORT AND RECOMMENDATION recommending GRANTING 22 MOTION for Summary Judgment as to all of Plaintiff's claims. Signed by Magistrate Judge Gerrilyn G. Brill on 06/14/11. (Attachments: # 1 Order for Service)(fap) (Entered: 06/15/2011) *	ORDER regarding Magistrate Judge's Final Report and Recommendation. IT IS HEREBY ORDERED that the Court ADOPTS the Magistrate Judge's Final Report and Recommendation 28 GRANTING defendants' Motion for Summary Judgment as to all of plaintiff's claim 22 . The Clerk is directed to close this action. Signed by Judge Julie E. Carnes on 7/5/11. (cem) (Entered: 07/06/2011) * * * *	defendant	adopt	Yes

1:10-cv-00383-  
ODE REPORT AND ORDER that defendant partial No  
RECOMMEN- City of Kennesaw's  
DATION that Kennesaw's  
Defendant's 42 Objections are  
MOTION for 56  
Summary SUSTAINED  
Judgment be and the 55  
GRANTED IN Report and Rec-  
PART AND ommendation is  
DENIED IN ADOPTED IN  
PART. PART AND  
Specifically, the REJECTED IN  
undersigned PART. The  
RECOM- City of  
MENDS that Kennesaw's 42  
the motion for Motion for  
summary Summary  
judgment be Judgment is  
DENIED with GRANTED in  
respect to accordance  
Plaintiffs' Title with Federal  
VII claims, Rule of Civil  
DENIED with Procedure  
respect to 56(a) because  
Plaintiffs' S. Plaintiffs have  
1981 claims, failed to  
and GRANTED establish a  
with respect to prima facie  
Plaintiff Lewis, case of  
Power, and discrimination.  
Johnson's Signed by  
claims under Judge Orinda  
the Equal D. Evans on  
Protection 3/30/2012.  
Clause. Signed (anc) (Entered:  
by Magistrate 03/30/2012) \*  
Judge Alan J.  
Baverman on  
1/31/2012.  
(rej) (Entered:  
02/01/2012) \*

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