

“LAW AS DATA”

Visualizations

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Plots

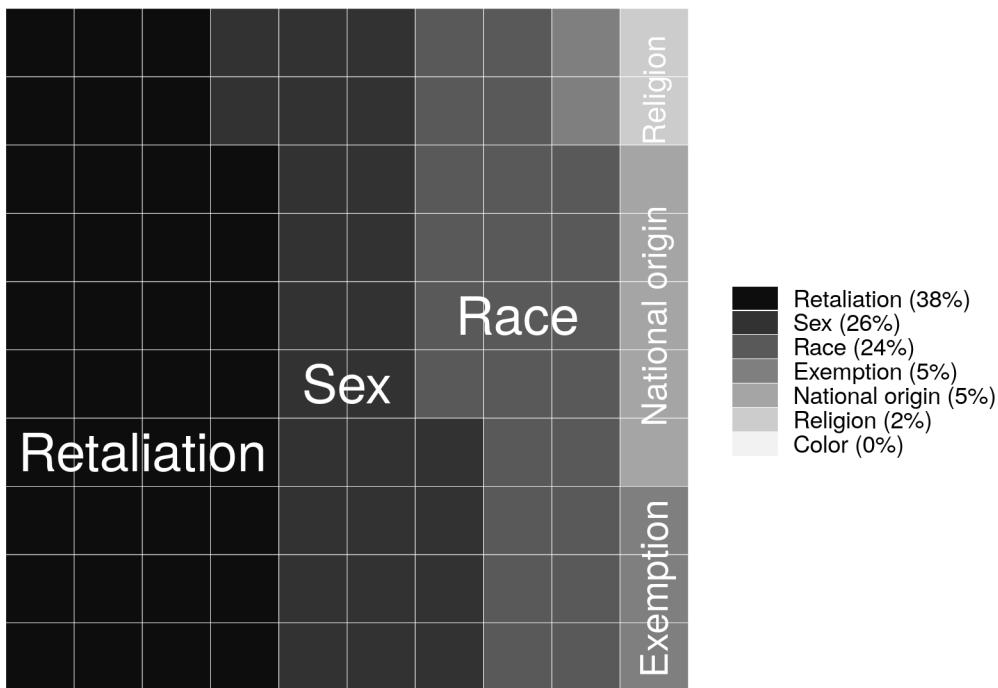
Alexander

Alexander

Alexander Figure 4

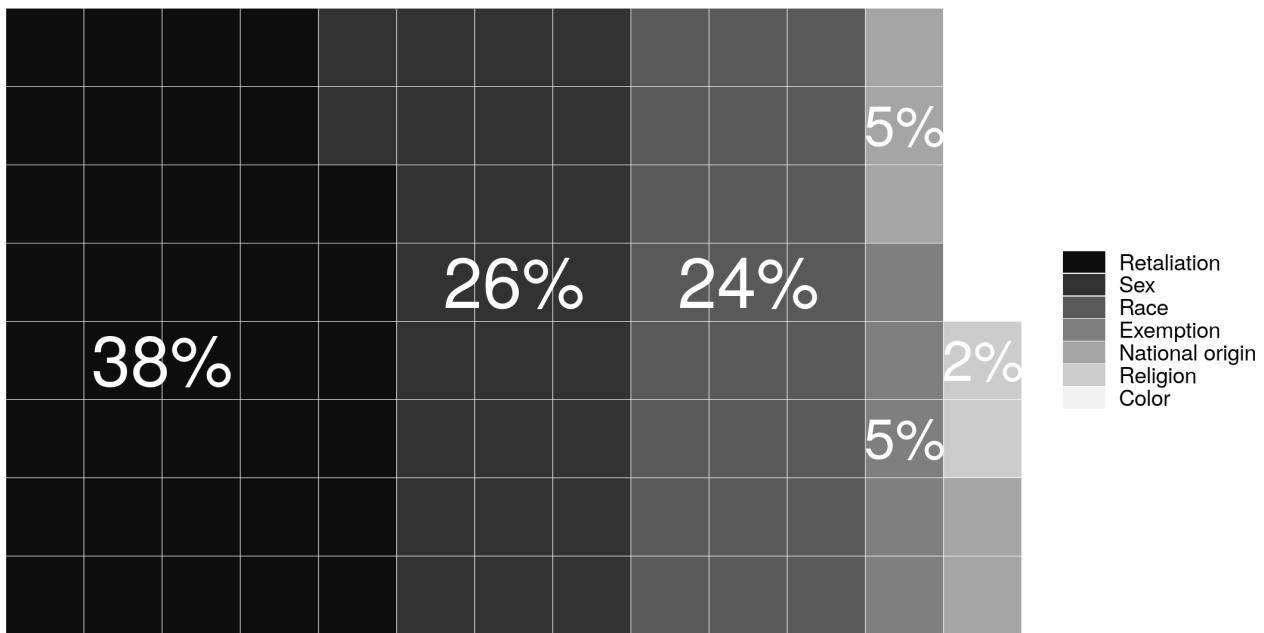
(Alexander 4)

Version 1 (Claim type)



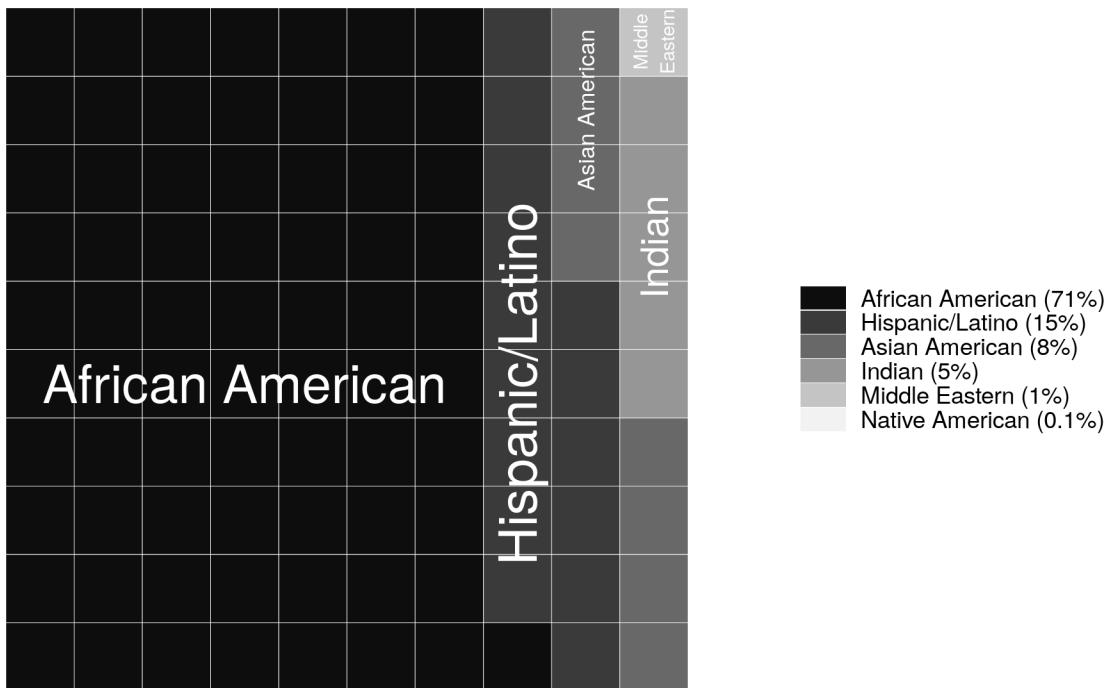
(Alexander 4)

Version 1 (Claim type)



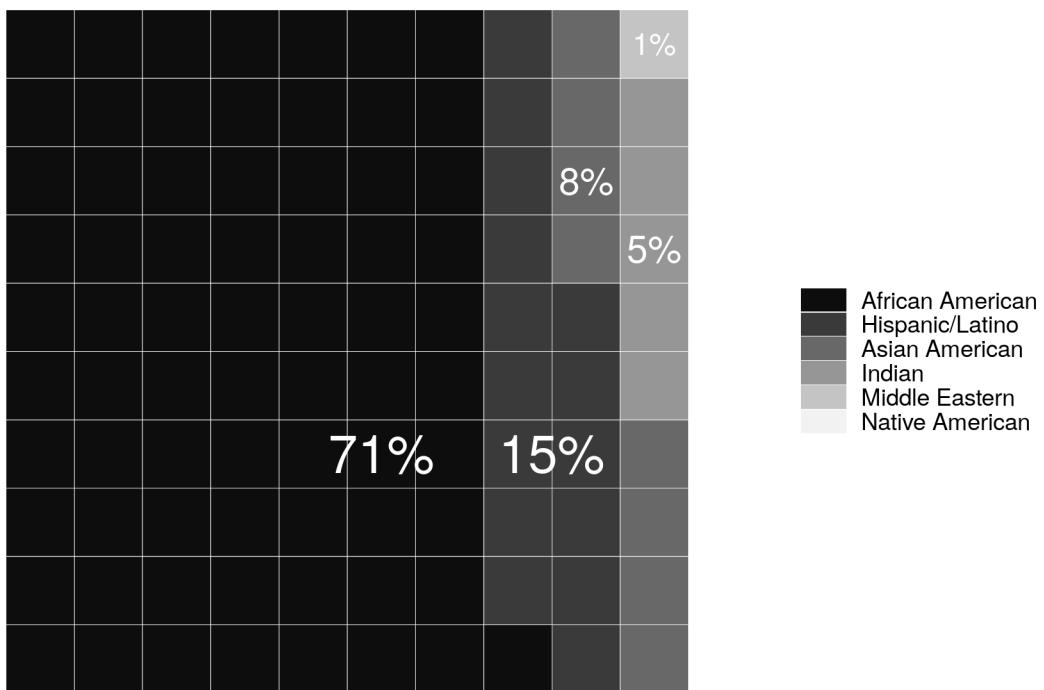
(Alexander 4)

Version 1 (National origin)



(Alexander 4)

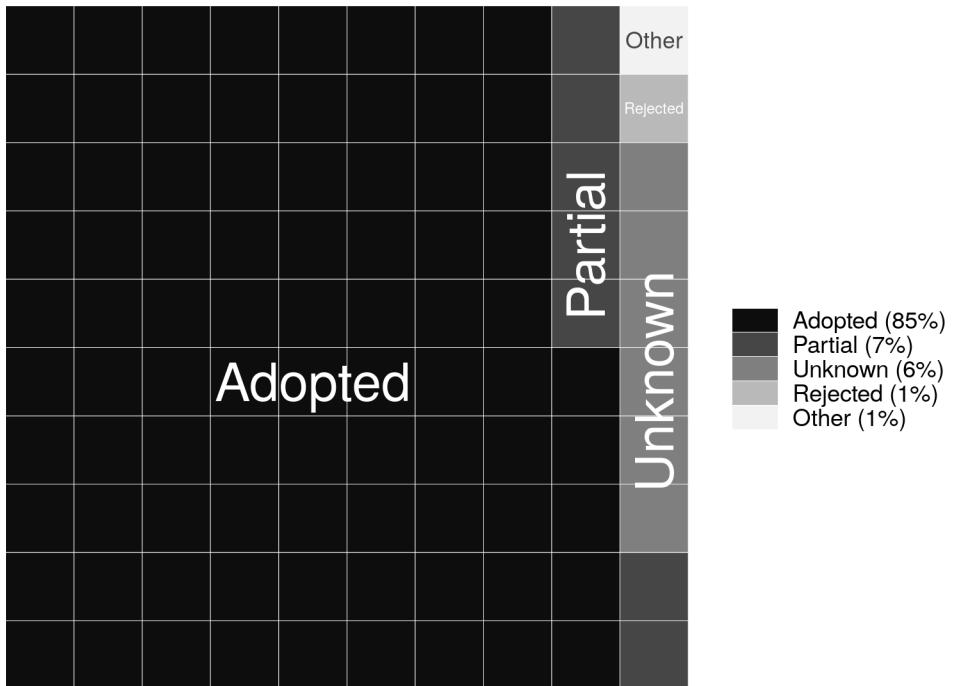
Version 1 (National origin)



Alexander Figure 7

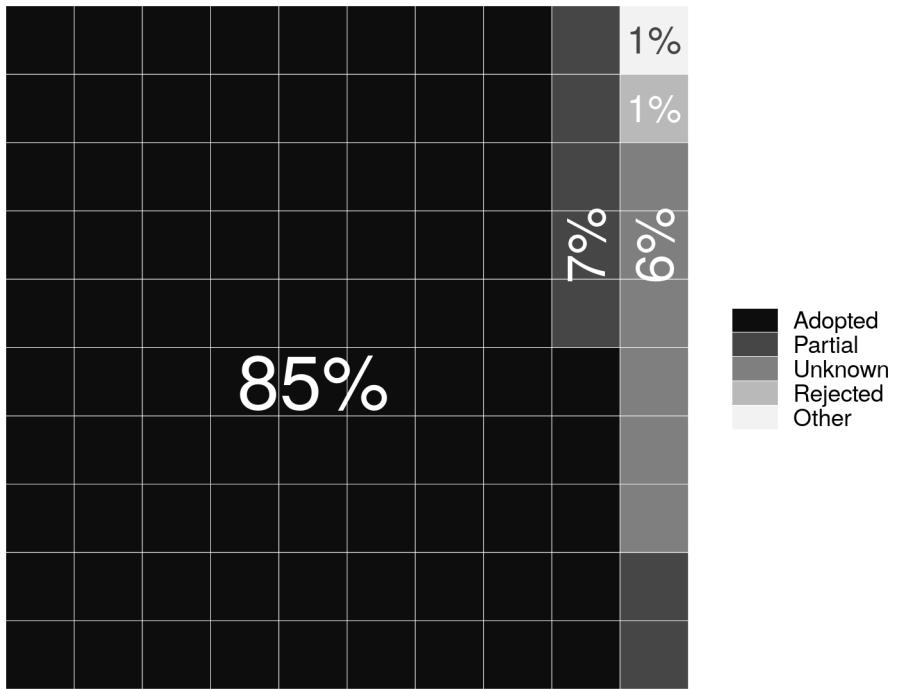
(Alexander 7)

Version 1



(Alexander 7)

Version 2



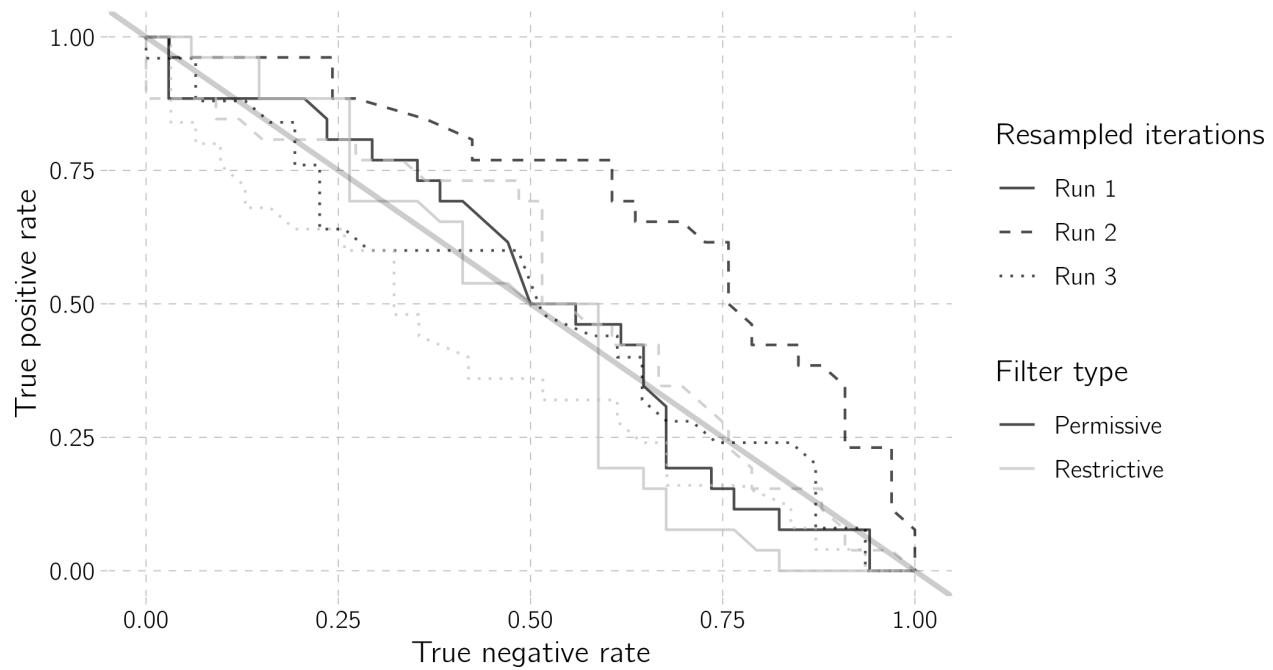
Dumas

Dumas

Dumas Figure 1

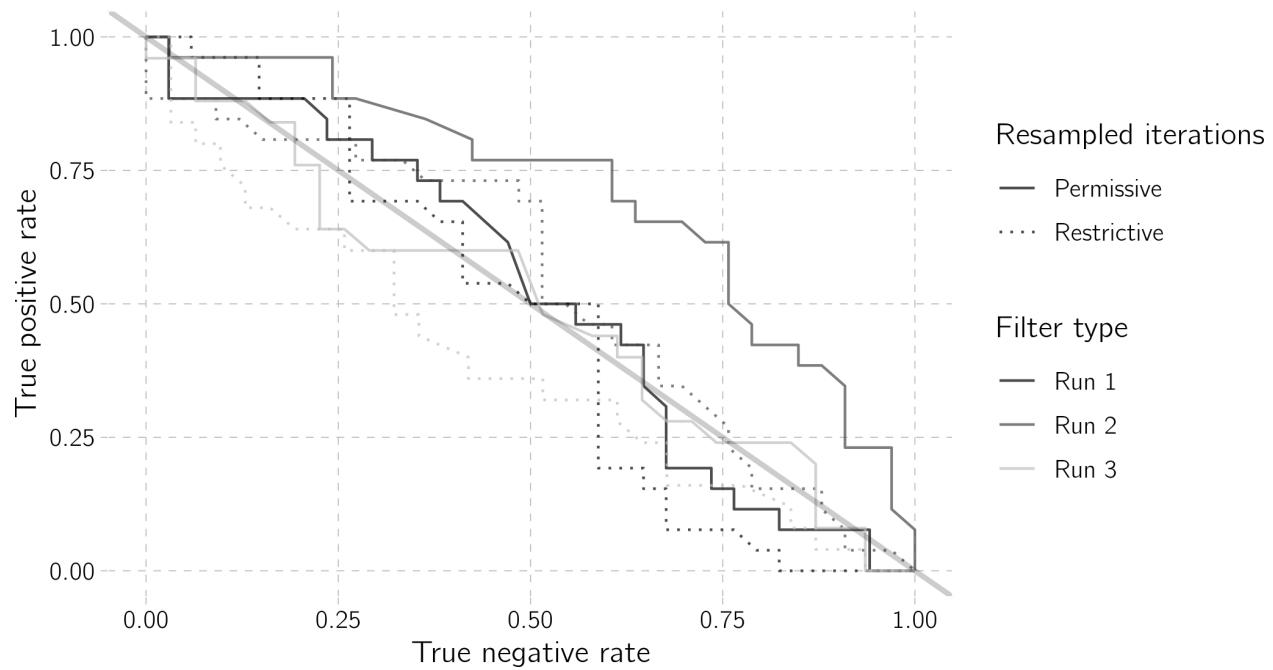
(Dumas 1)

Version 1



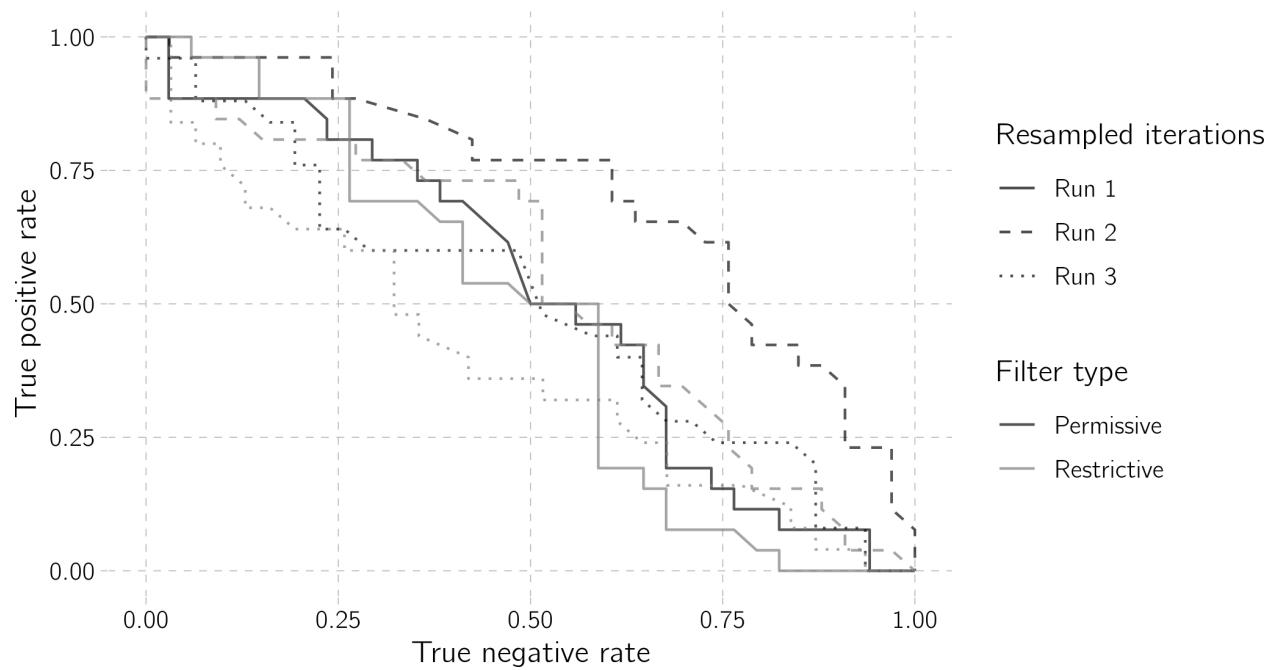
(Dumas 1)

Version 2



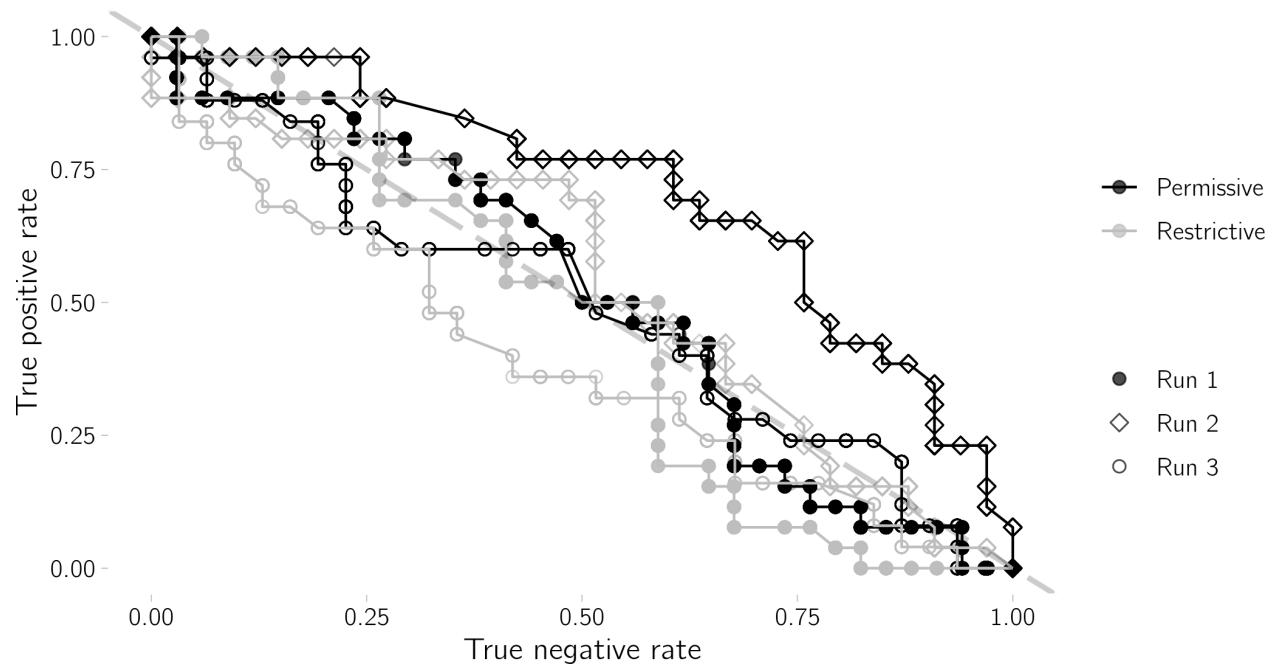
(Dumas 1)

Version 3



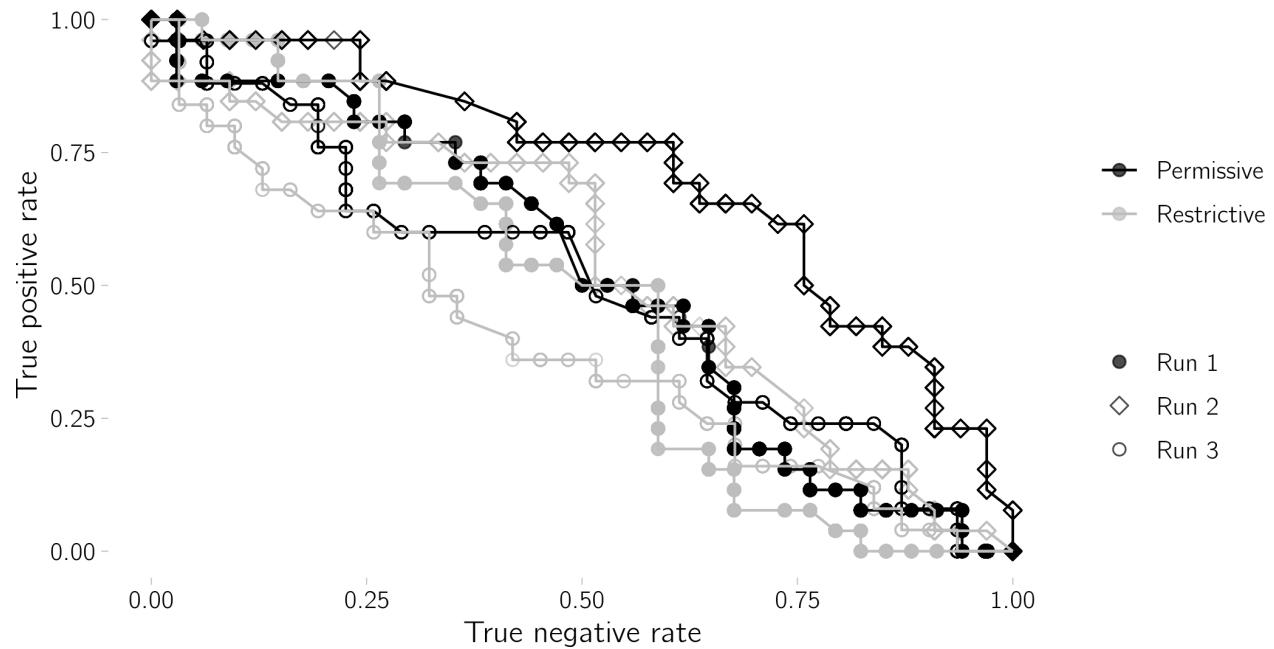
(Dumas 1)

Version 4



(Dumas 1)

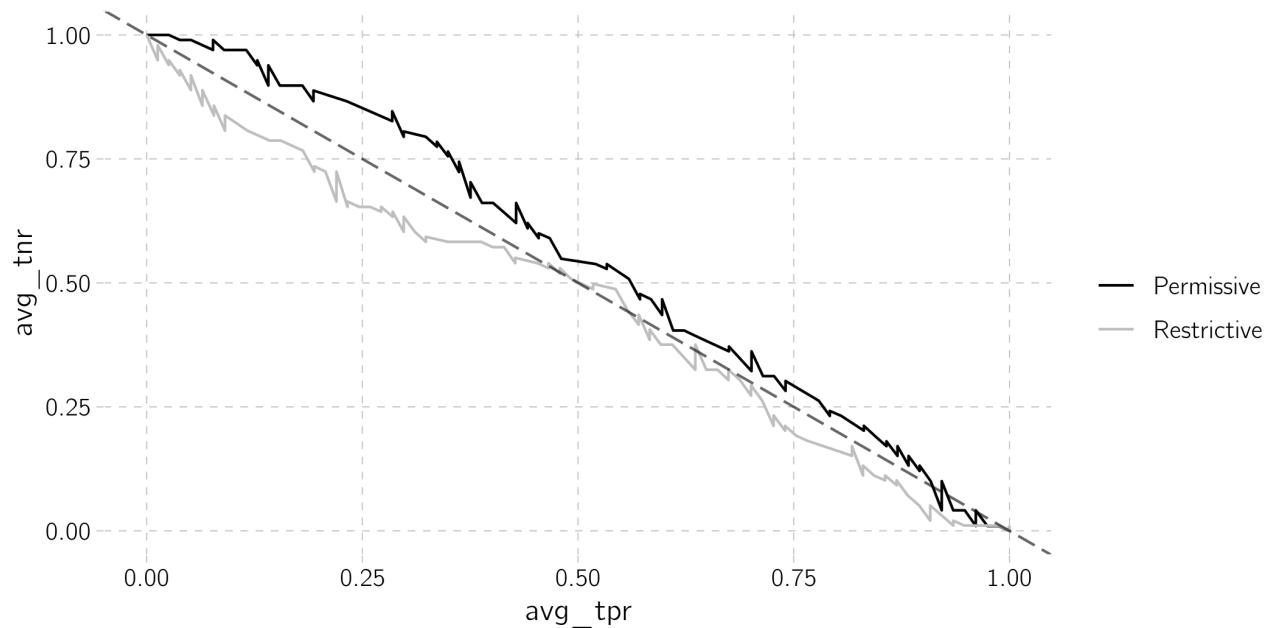
Version 5



(Dumas 1)

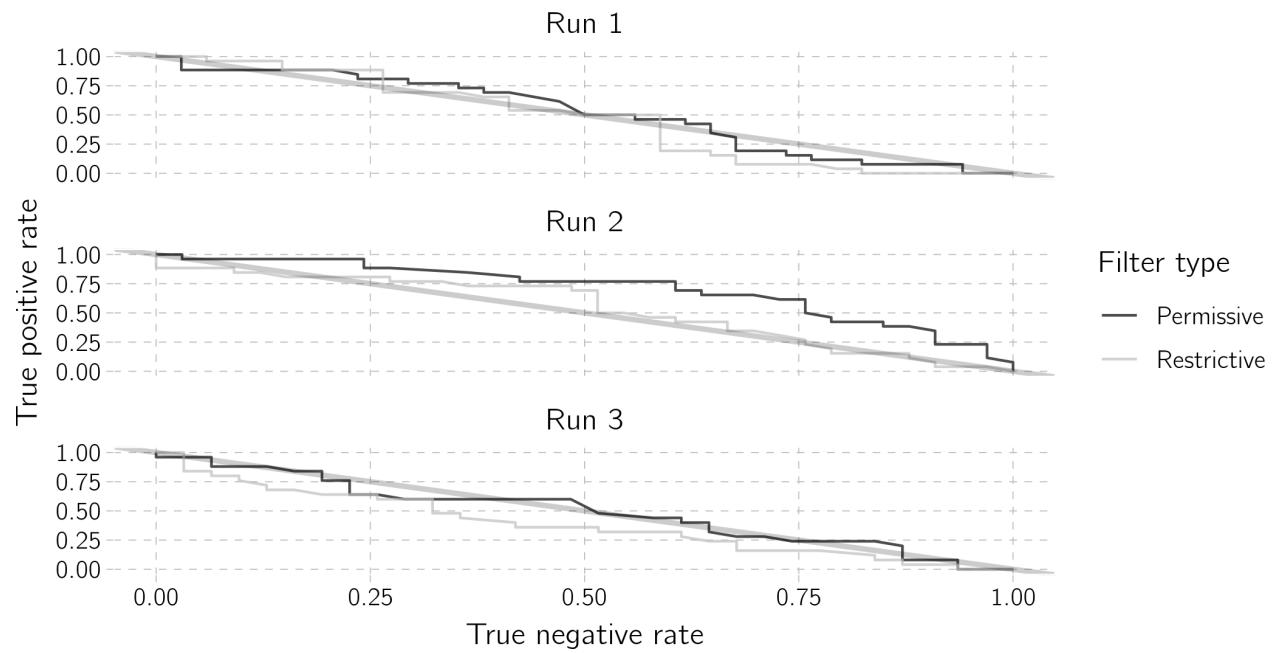
Version 6

Average over the 3 resampled runs



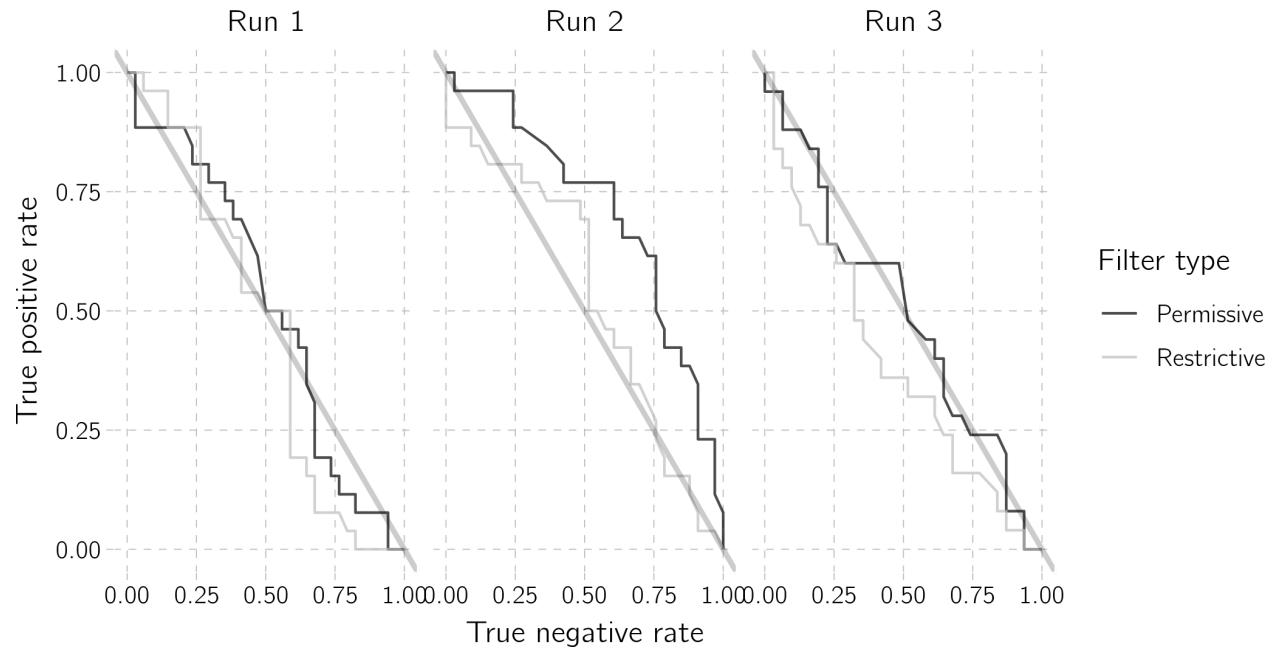
(Dumas 1)

Version 7



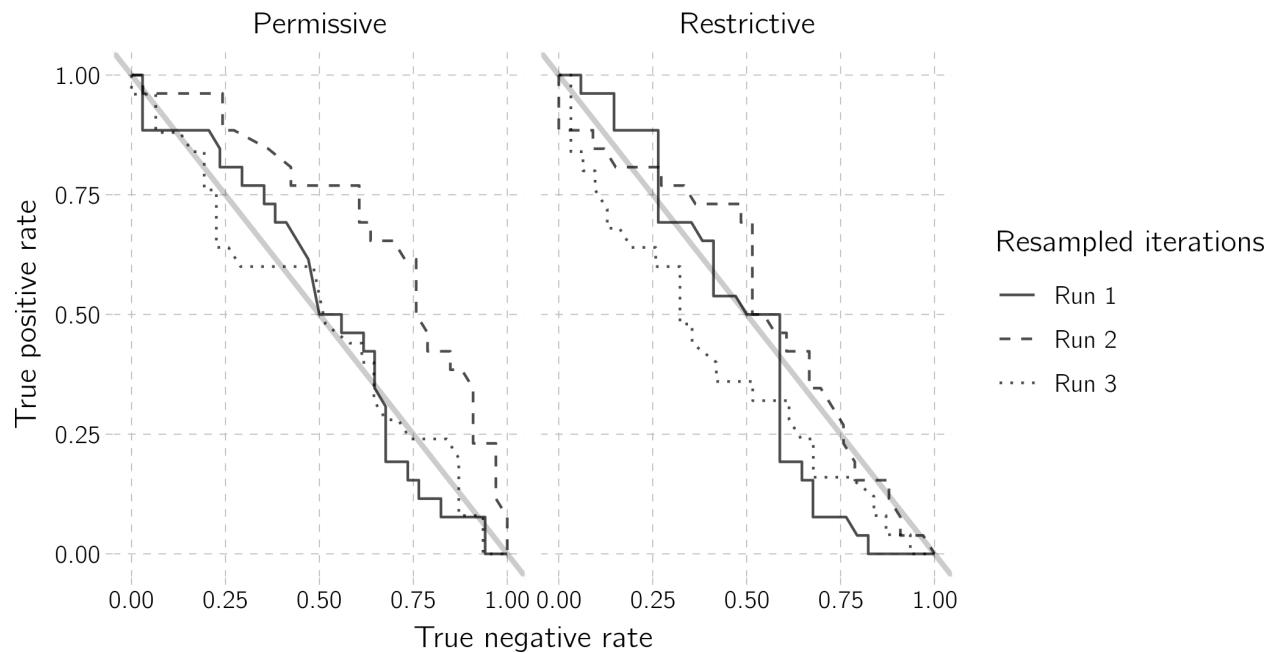
(Dumas 1)

Version 8



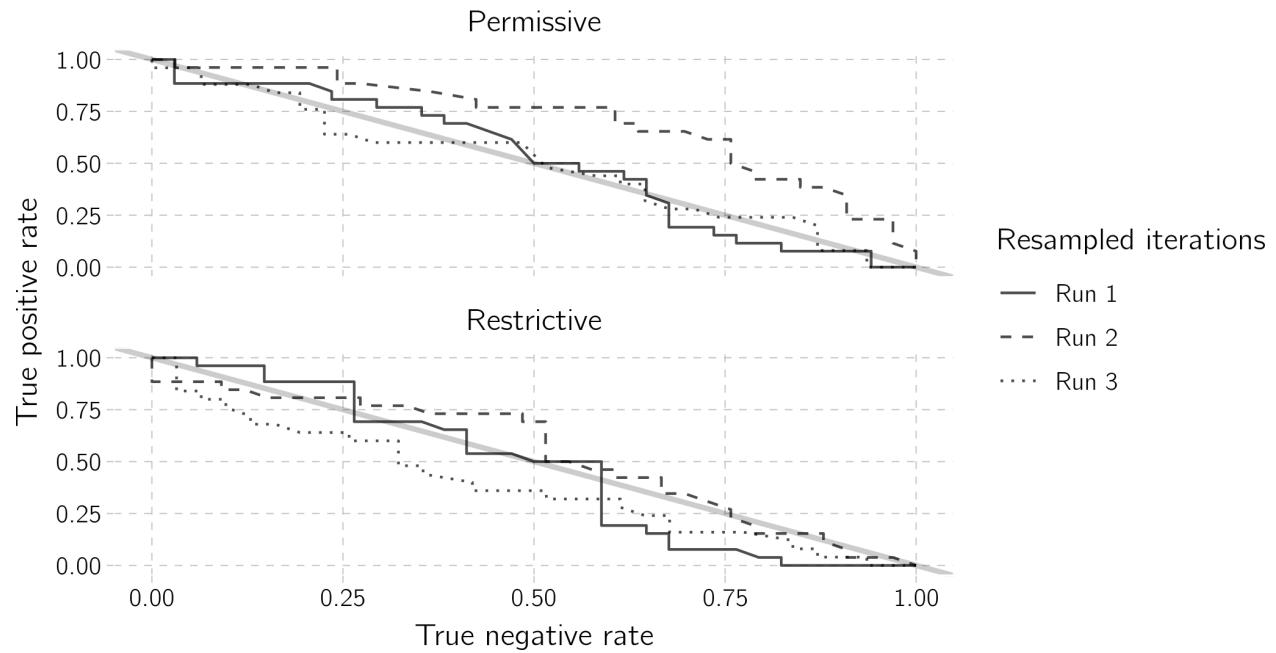
(Dumas 1)

Version 9



(Dumas 1)

Version 10



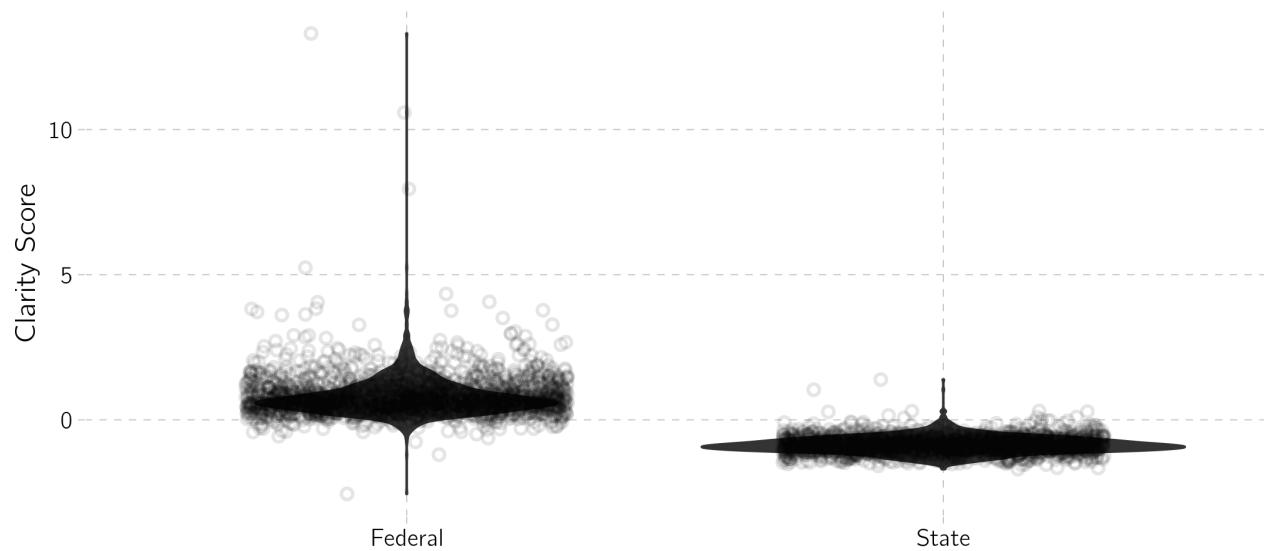
Feldman

Feldman

Feldman Figure 1

(Feldman 1)

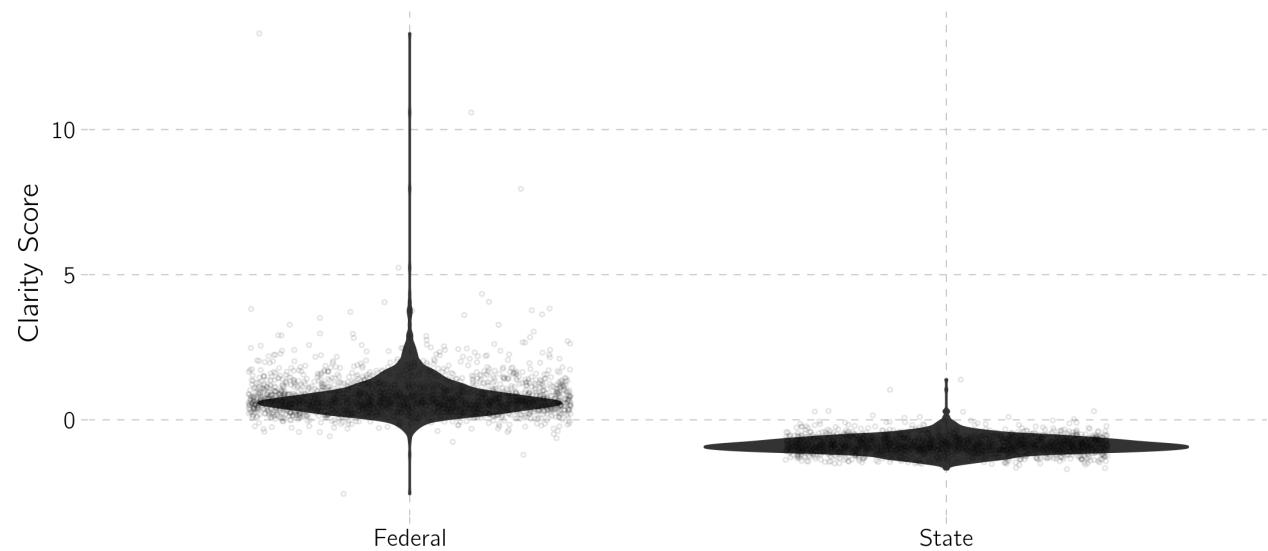
Version 1



The violin plot is a mirrored density plot showing
a compact display of a continuous distribution

(Feldman 1)

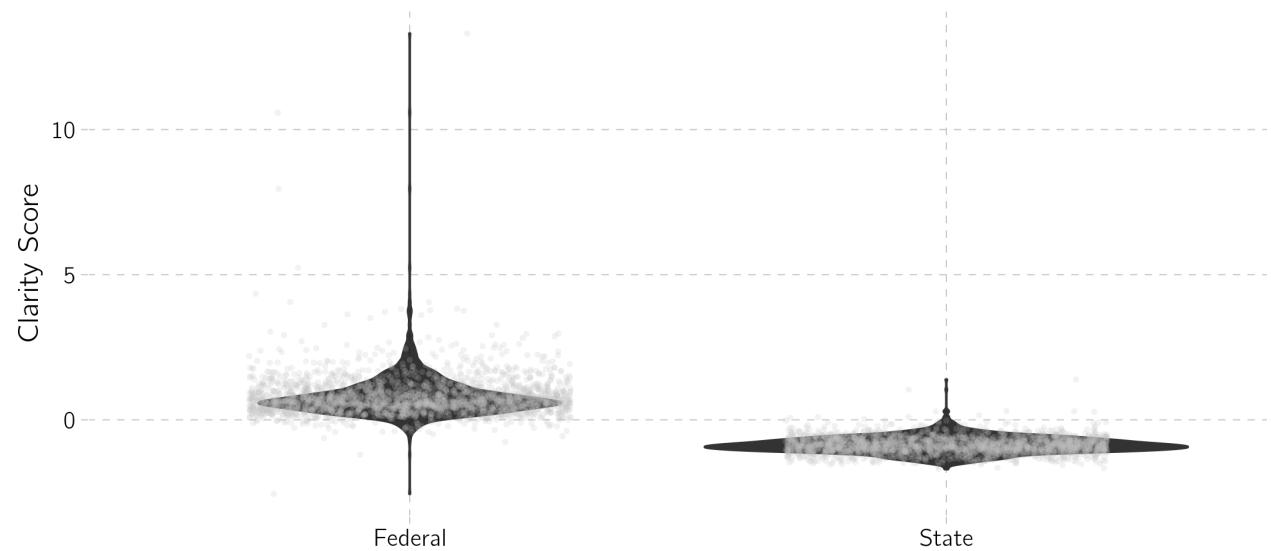
Version 2



The violin plot is a mirrored density plot showing a compact display of a continuous distribution

(Feldman 1)

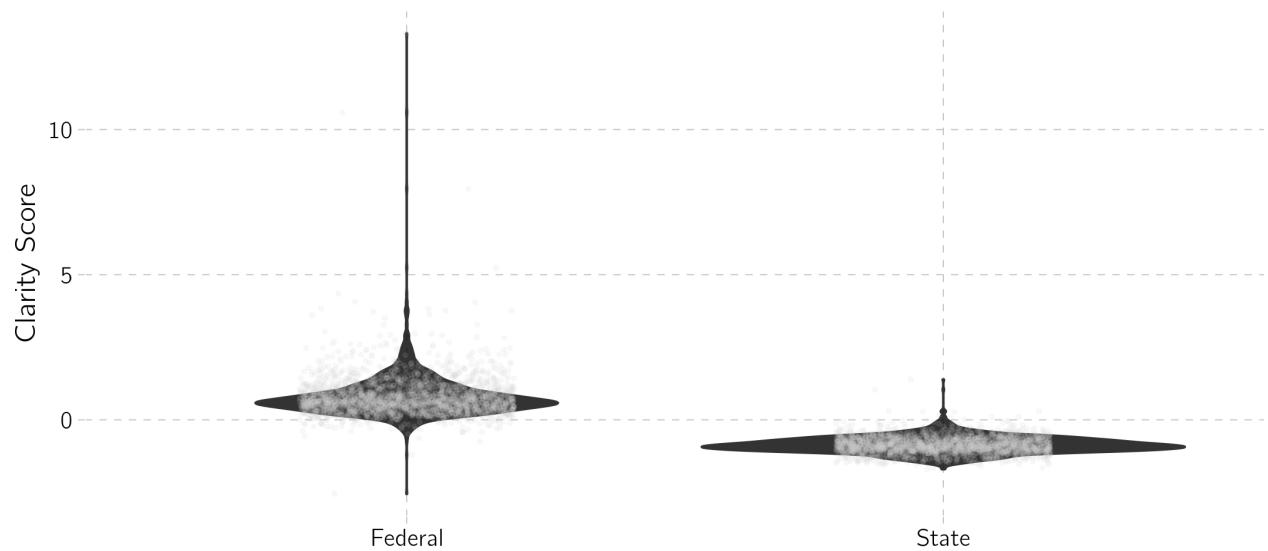
Version 3



The violin plot is a mirrored density plot showing
a compact display of a continuous distribution

(Feldman 1)

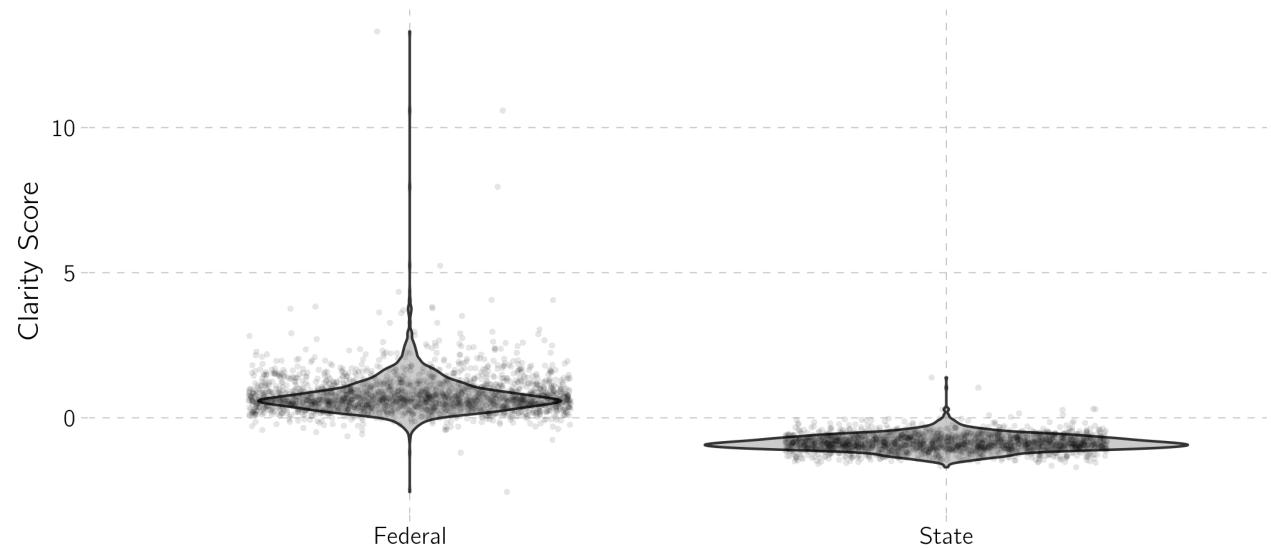
Version 4



The violin plot is a mirrored density plot showing
a compact display of a continuous distribution

(Feldman 1)

Version 5

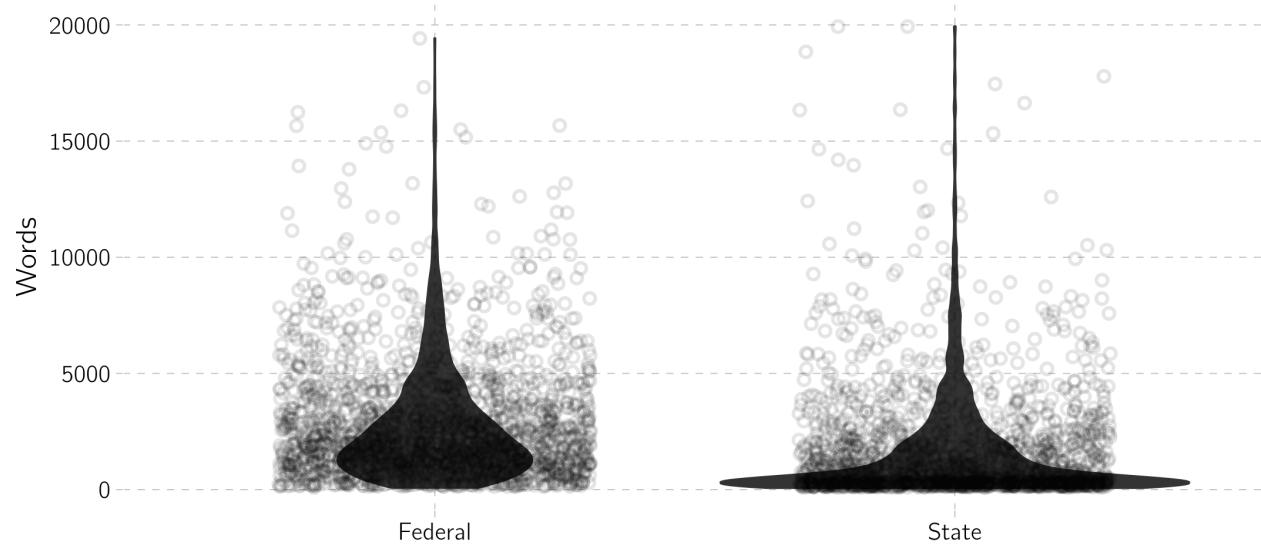


The violin plot is a mirrored density plot showing
a compact display of a continuous distribution

Feldman Figure 2

(Feldman 2)

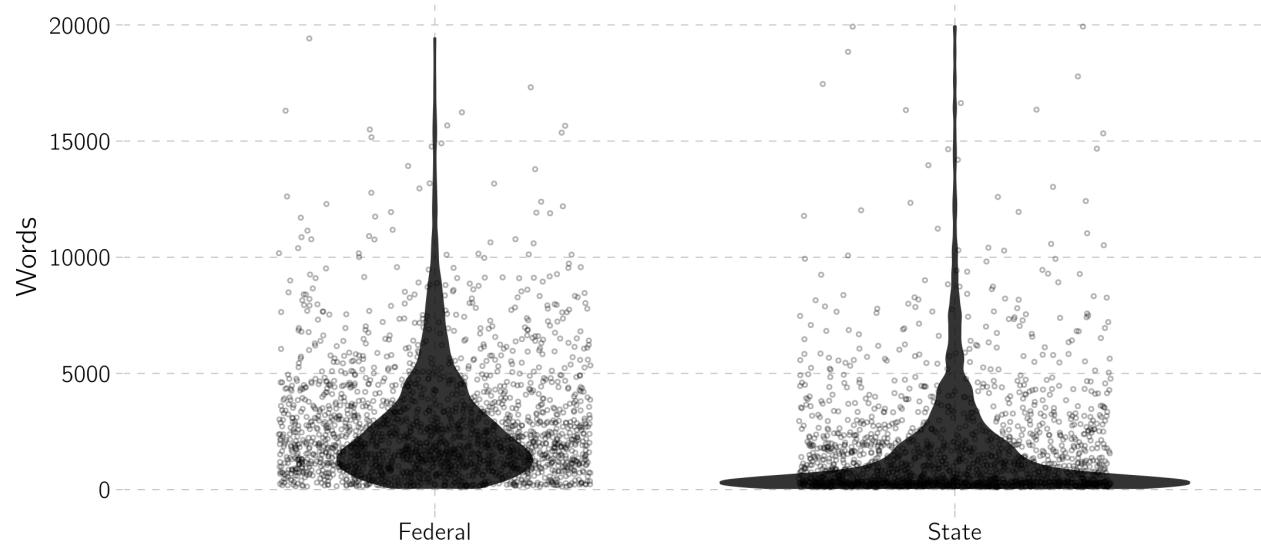
Version 1



The violin plot is a mirrored density plot showing a compact display of a continuous distribution

(Feldman 2)

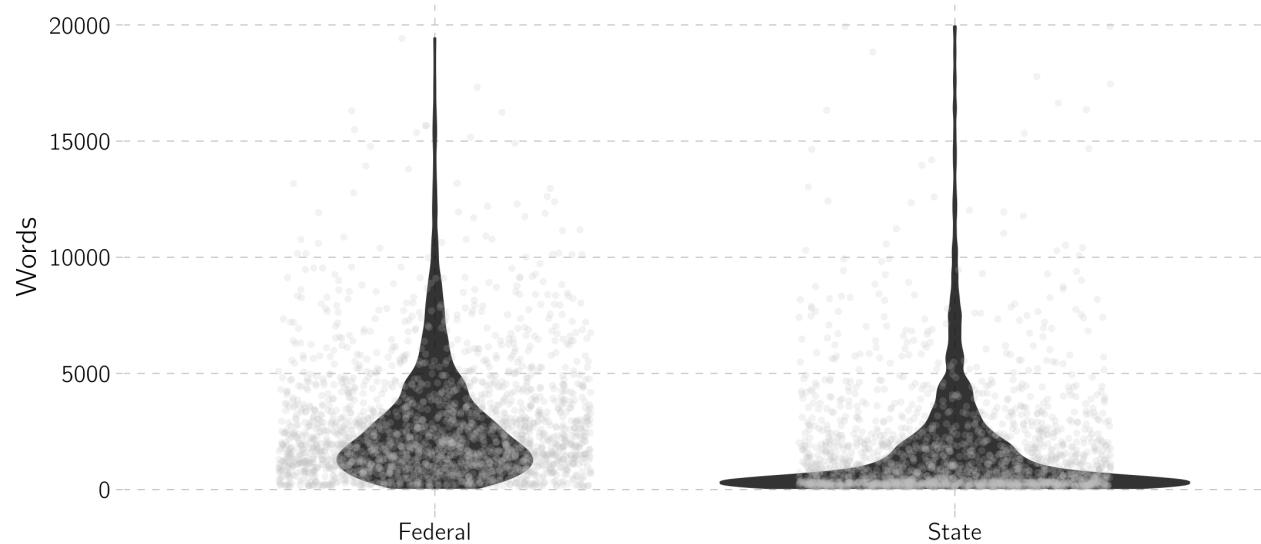
Version 2



The violin plot is a mirrored density plot showing a compact display of a continuous distribution

(Feldman 2)

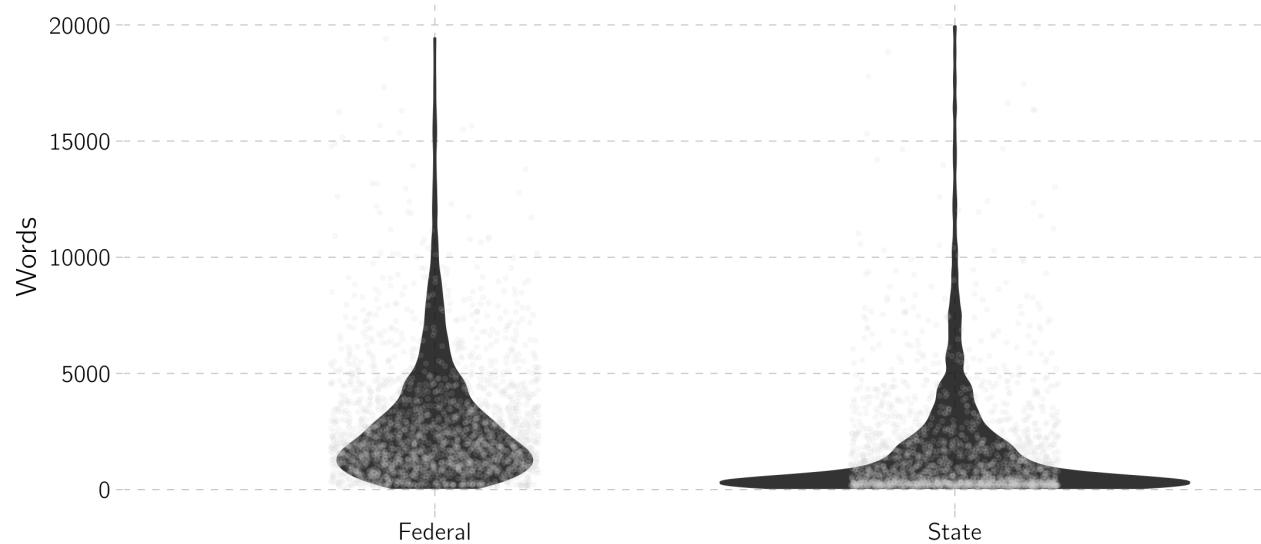
Version 3



The violin plot is a mirrored density plot showing a compact display of a continuous distribution

(Feldman 2)

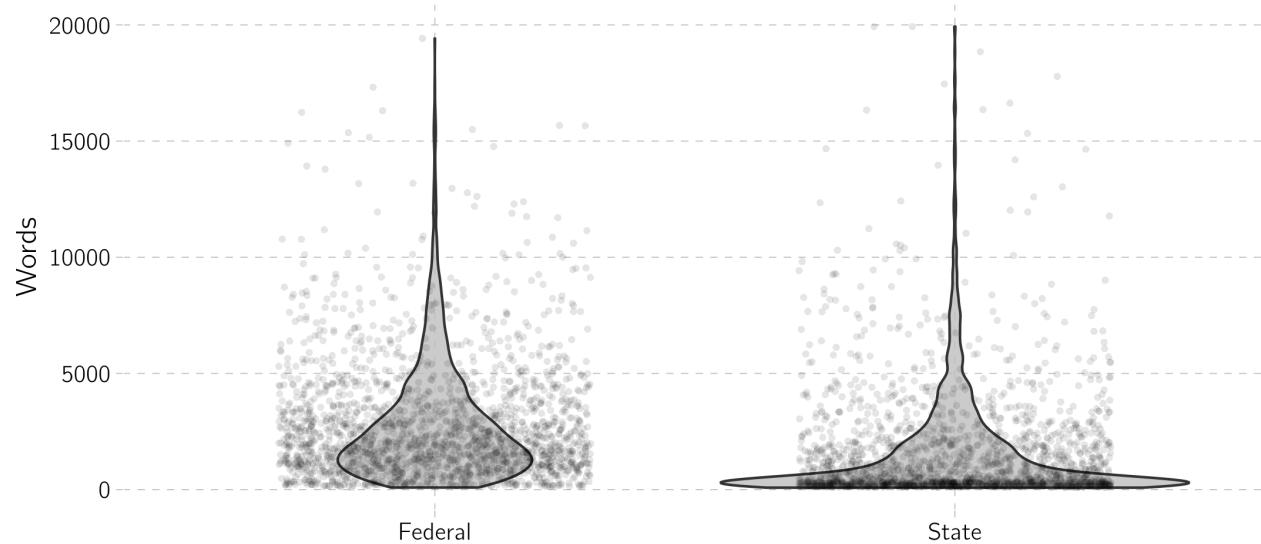
Version 4



The violin plot is a mirrored density plot showing a compact display of a continuous distribution

(Feldman 2)

Version 5



The violin plot is a mirrored density plot showing a compact display of a continuous distribution

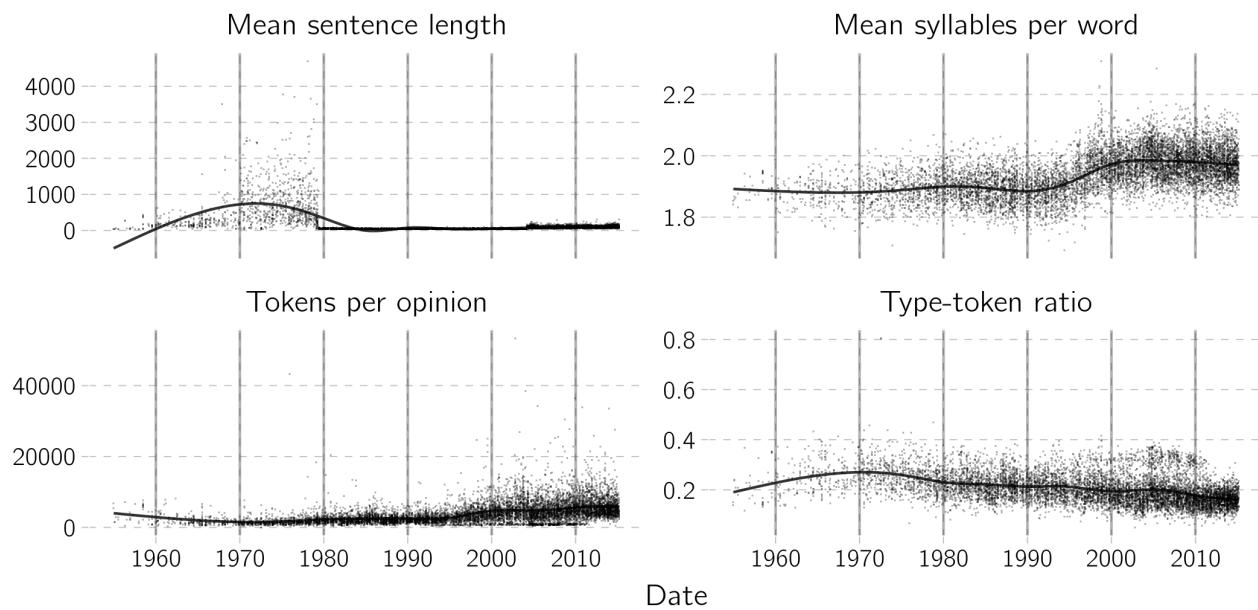
Frankenreiter

Frankenreiter

Frankenreiter Figure 2

(Frankenreiter 2)

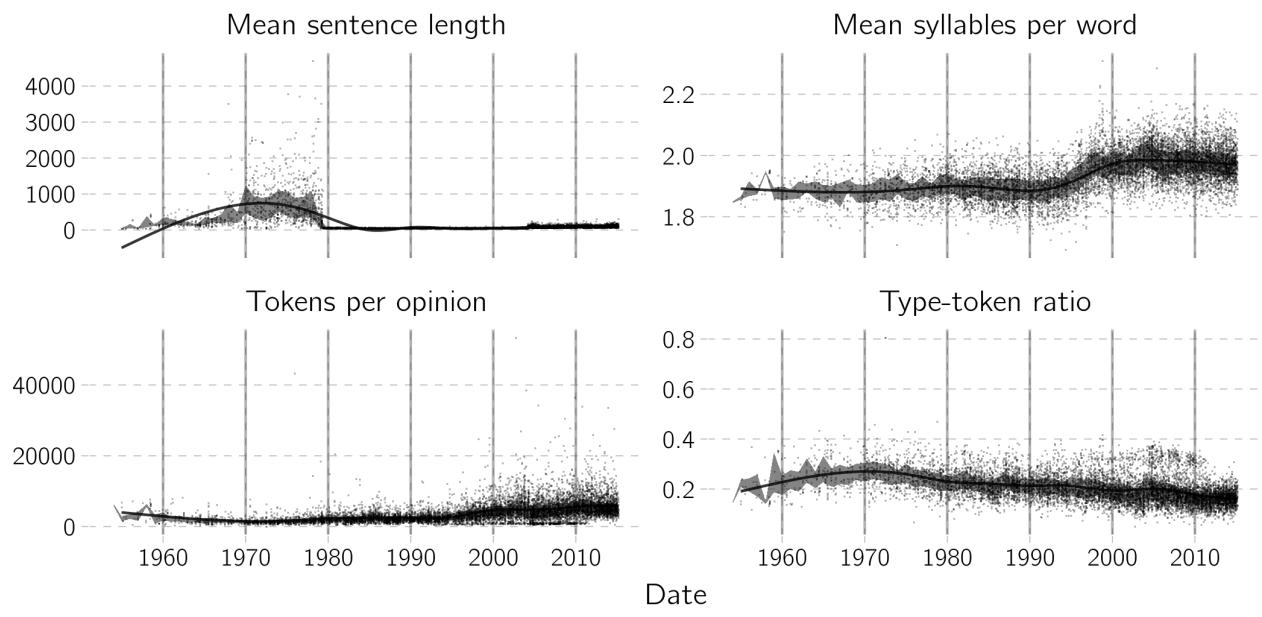
Version 1



*Lines smoothed using local regression

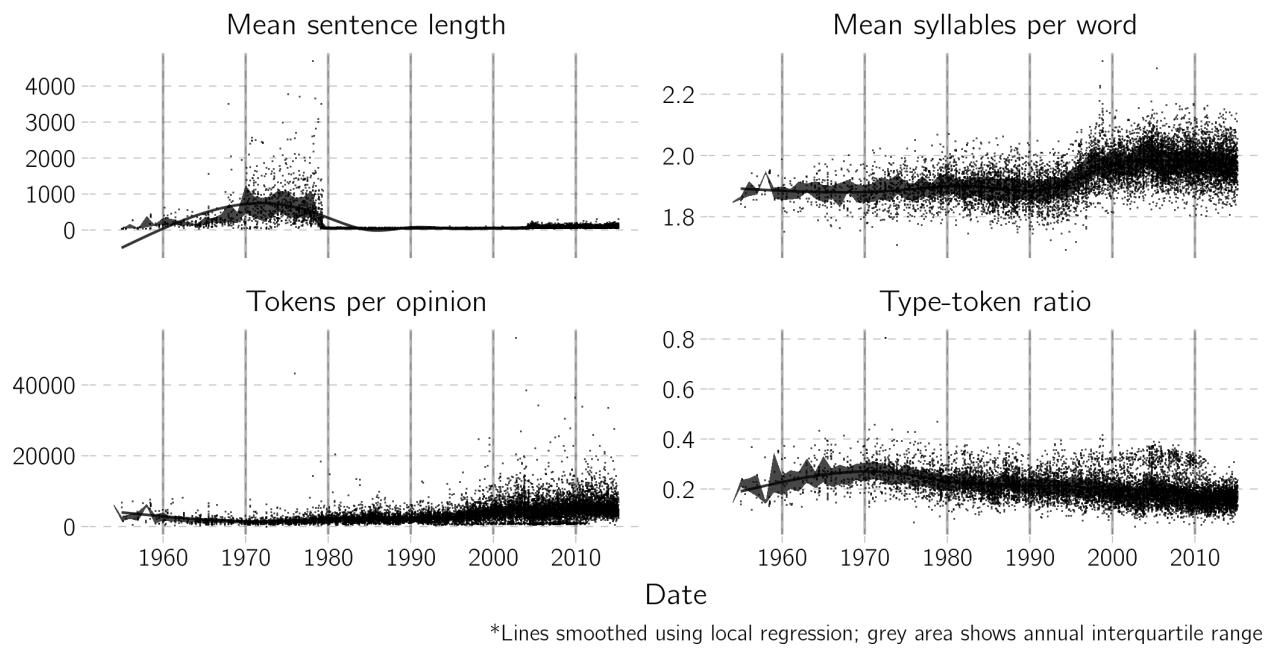
(Frankenreiter 2)

Version 2



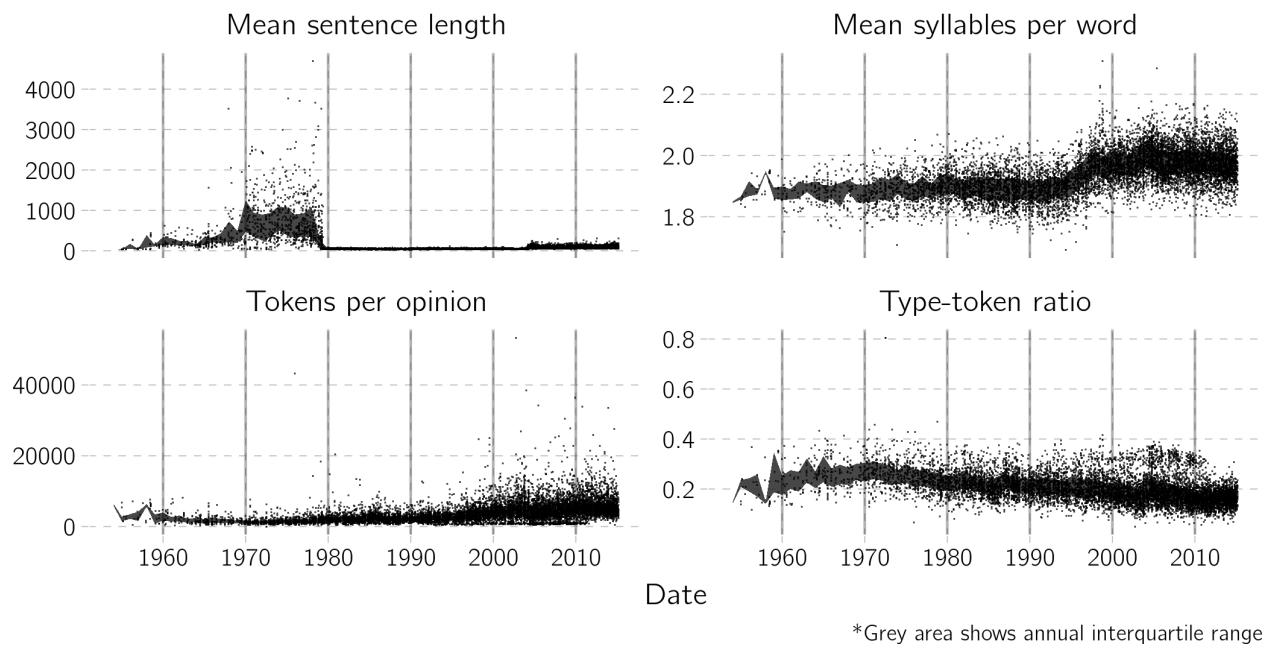
(Frankenreiter 2)

Version 3



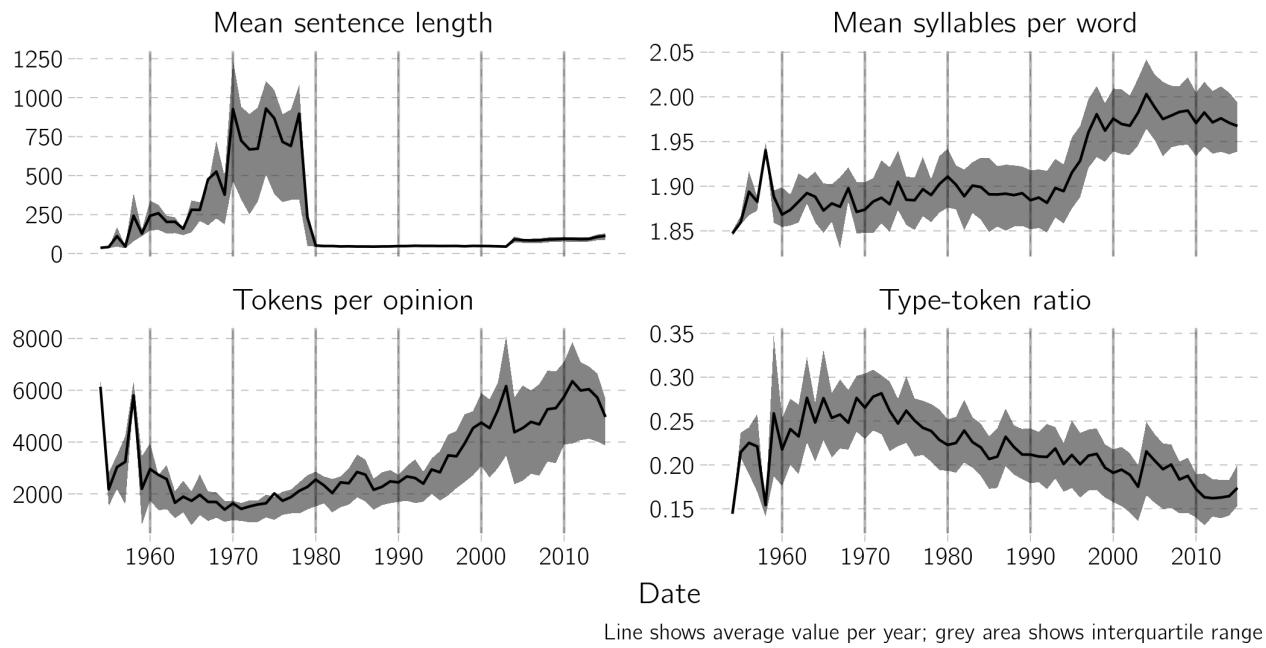
(Frankenreiter 2)

Version 4



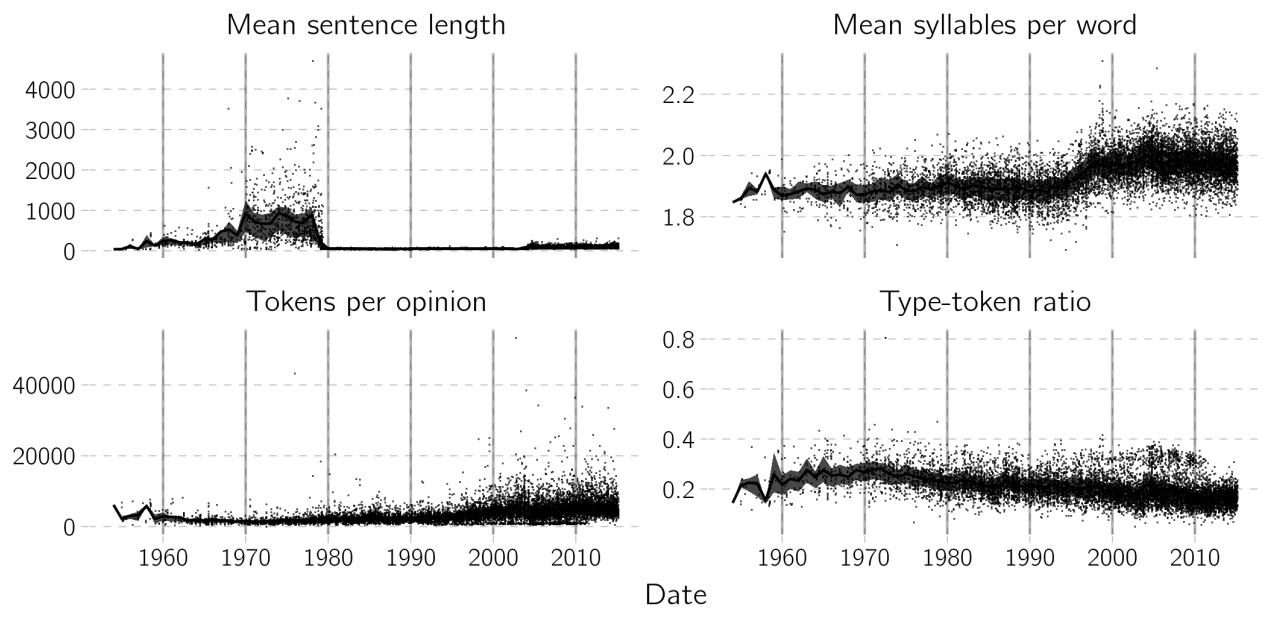
(Frankenreiter 2)

Version 5



(Frankenreiter 2)

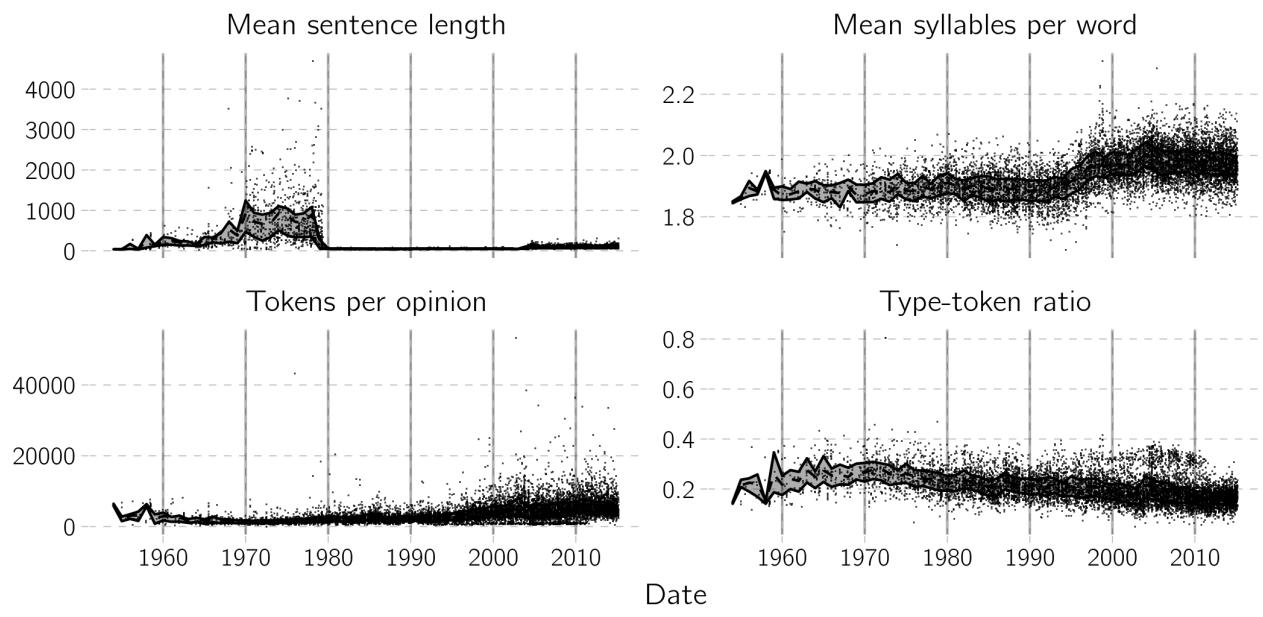
Version 6



*Grey area shows annual interquartile range; solid line shows annual average

(Frankenreiter 2)

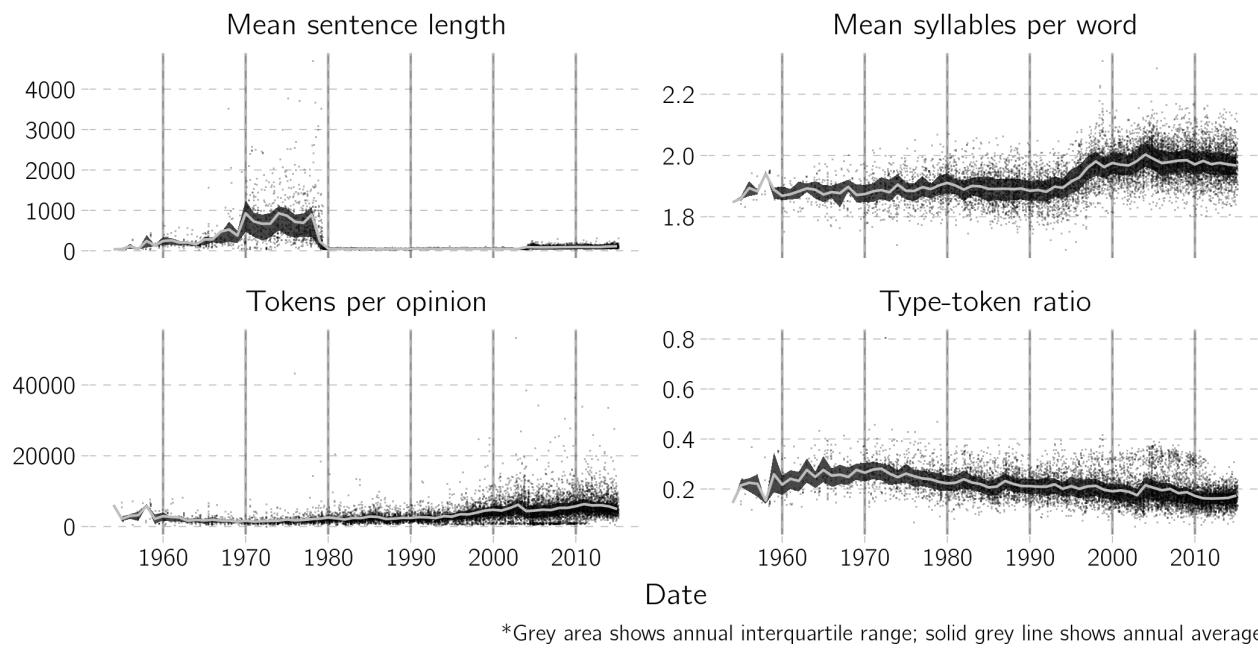
Version 7



*Grey area shows annual interquartile range; dashed line shows annual average

(Frankenreiter 2)

Version 8

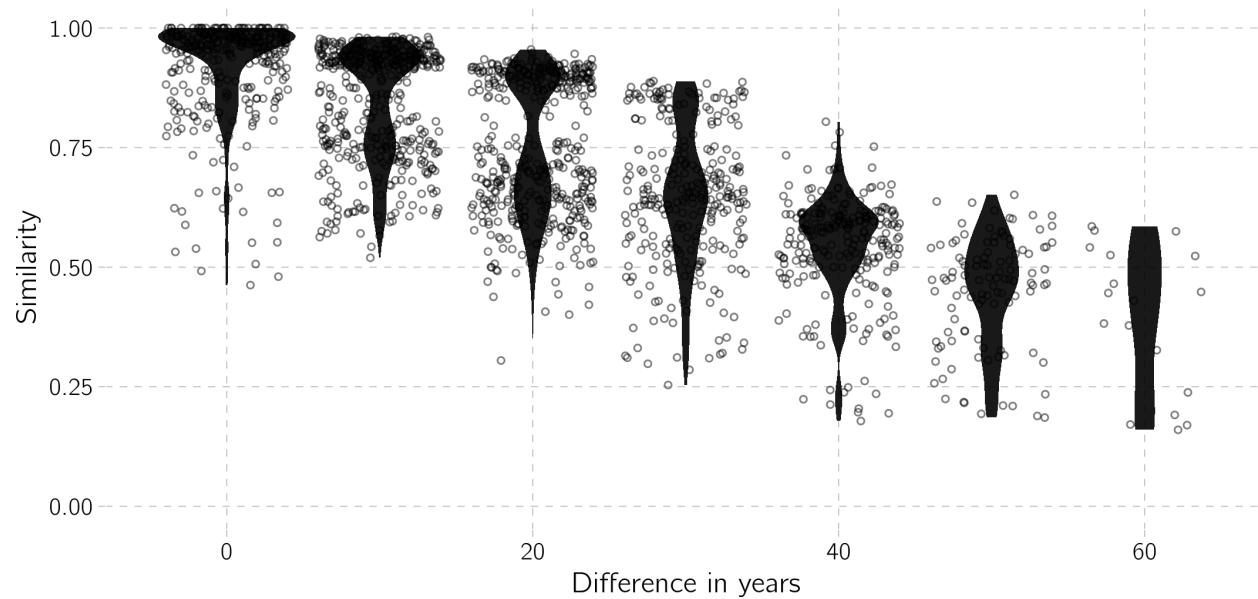


Frankenreiter Figure 3

(Frankenreiter 3)

Version 1

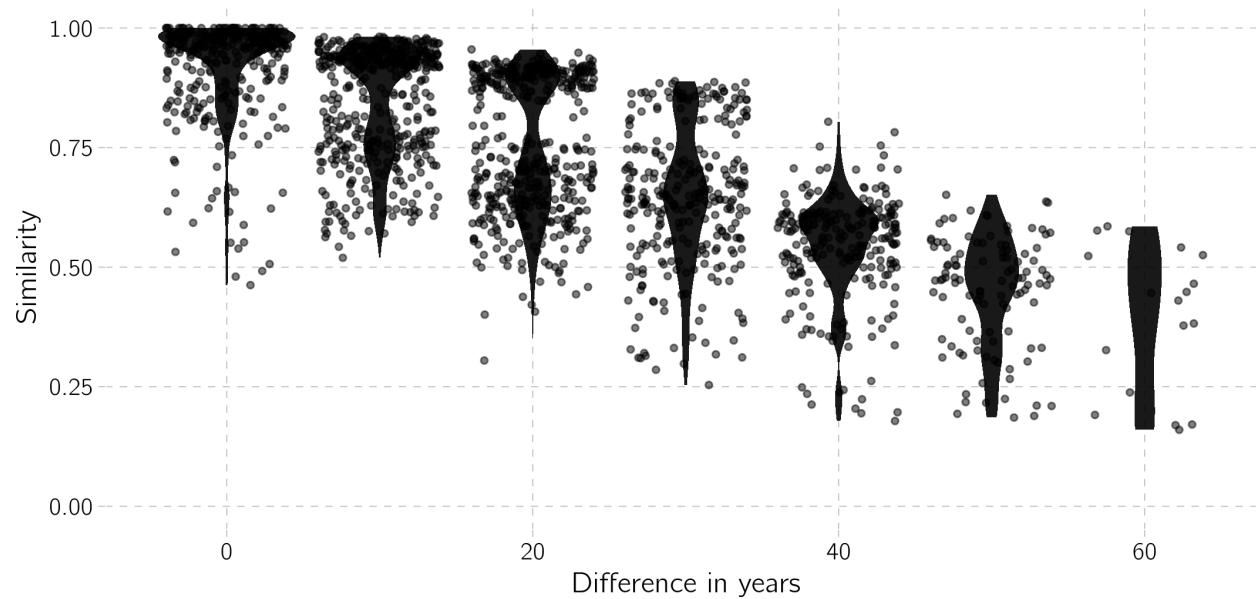
(Grouped every 10 years)



(Frankenreiter 3)

Version 2

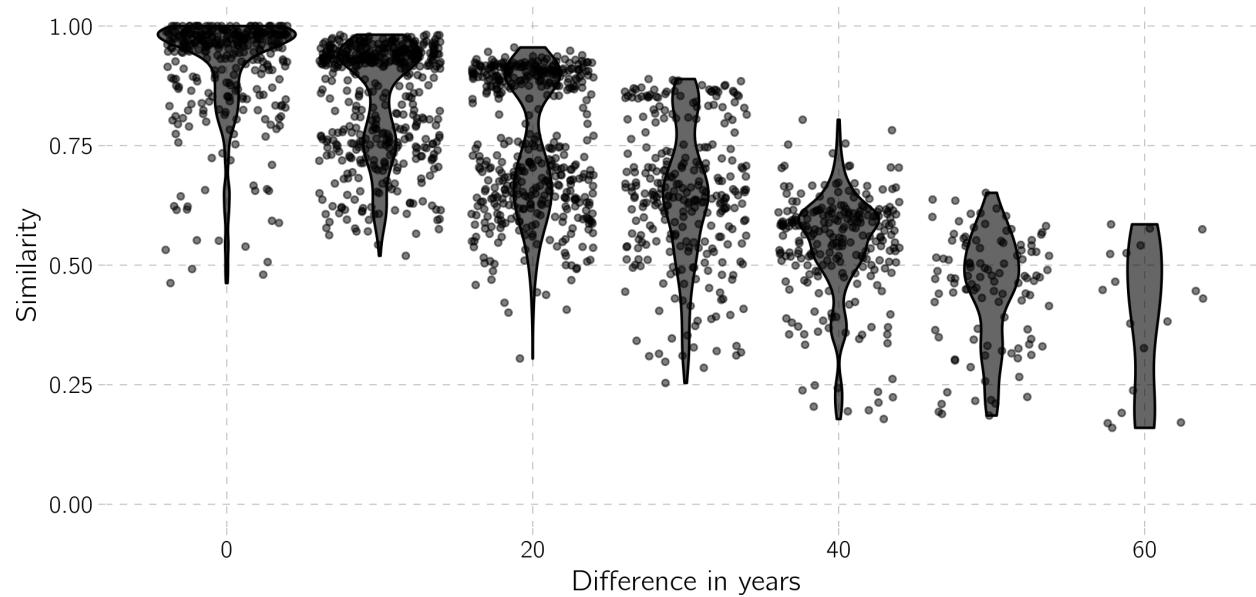
(Grouped every 10 years)



(Frankenreiter 3)

Version 3

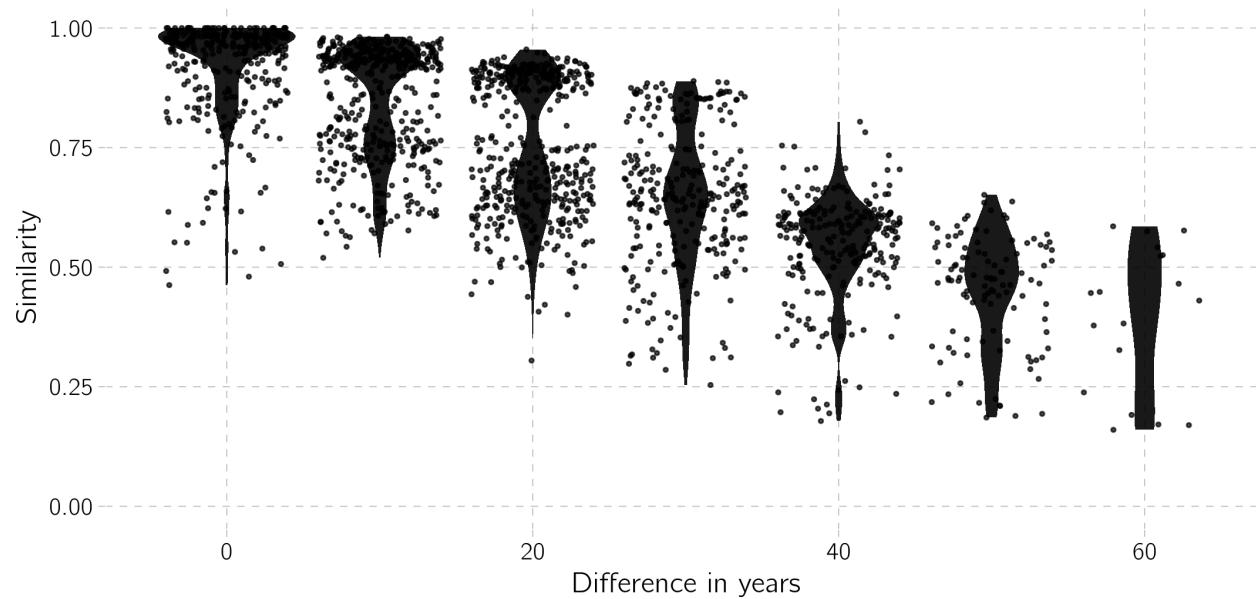
(Grouped every 10 years)



(Frankenreiter 3)

Version 4

(Grouped every 10 years)

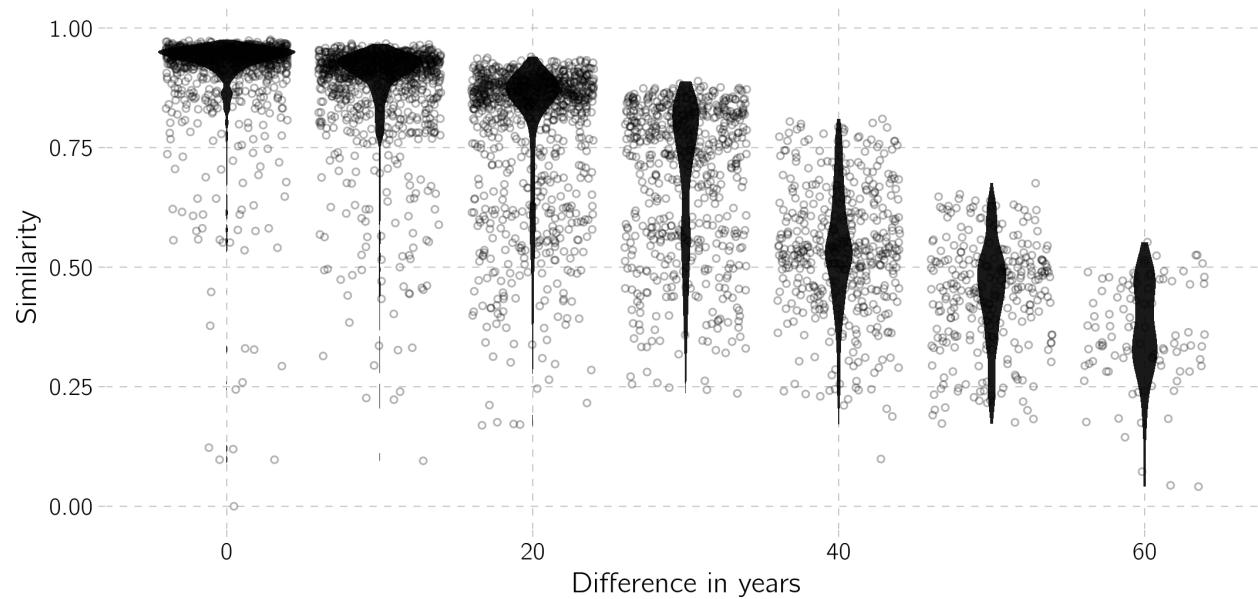


Frankenreiter Figure 4

(Frankenreiter 4)

Version 1

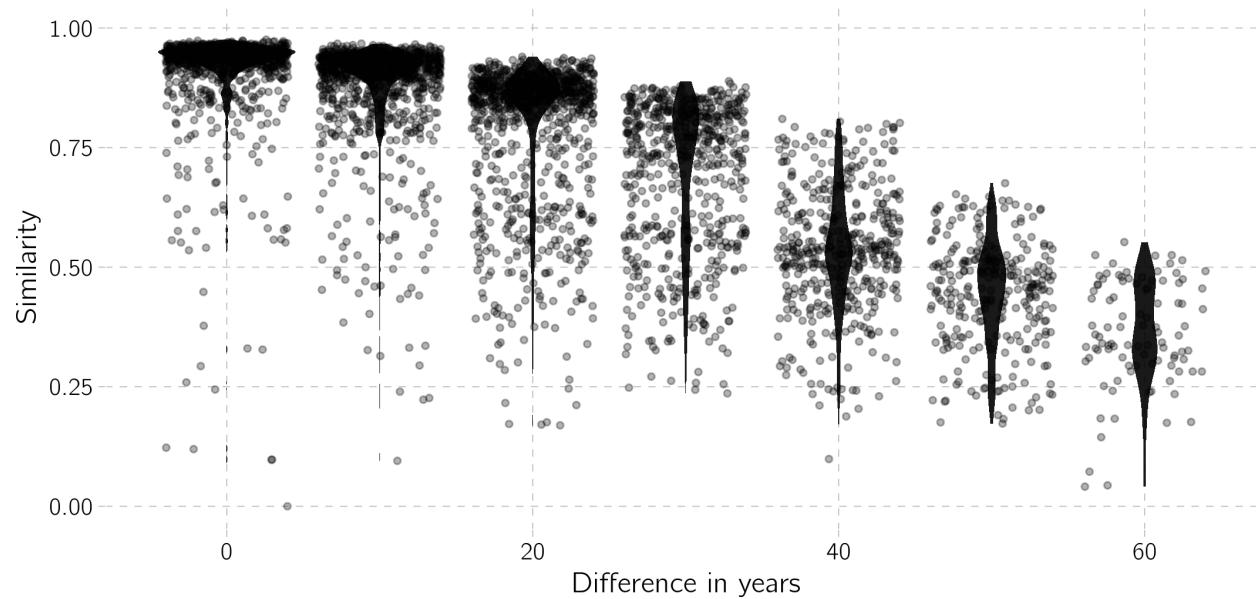
(Grouped every 10 years)



(Frankenreiter 4)

Version 2

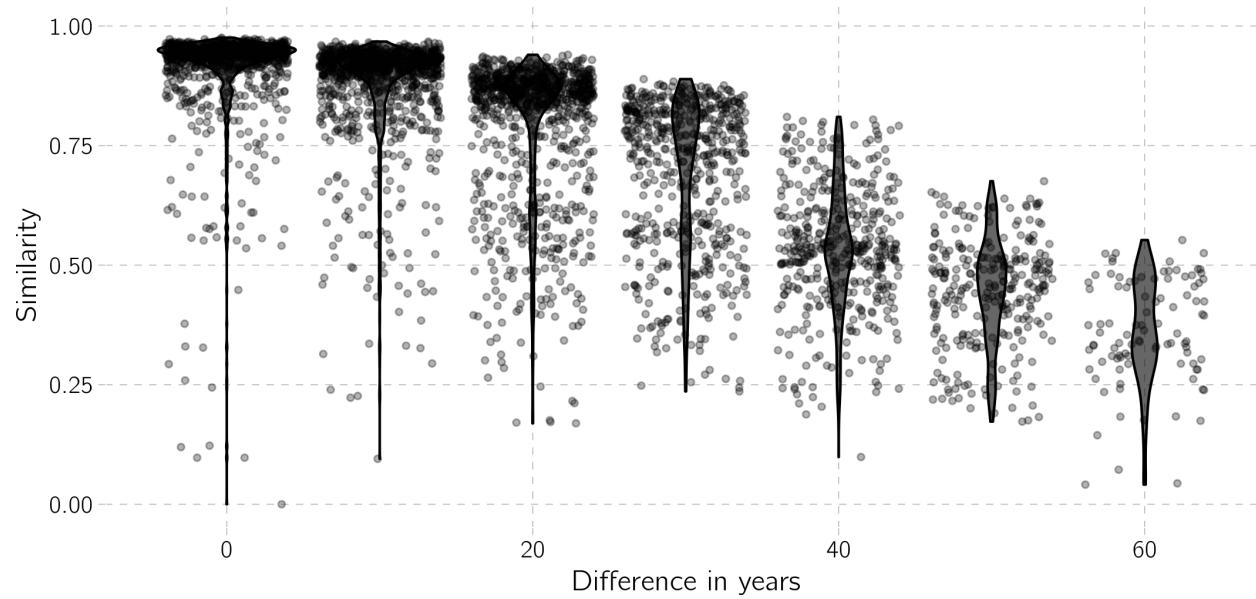
(Grouped every 10 years)



(Frankenreiter 4)

Version 3

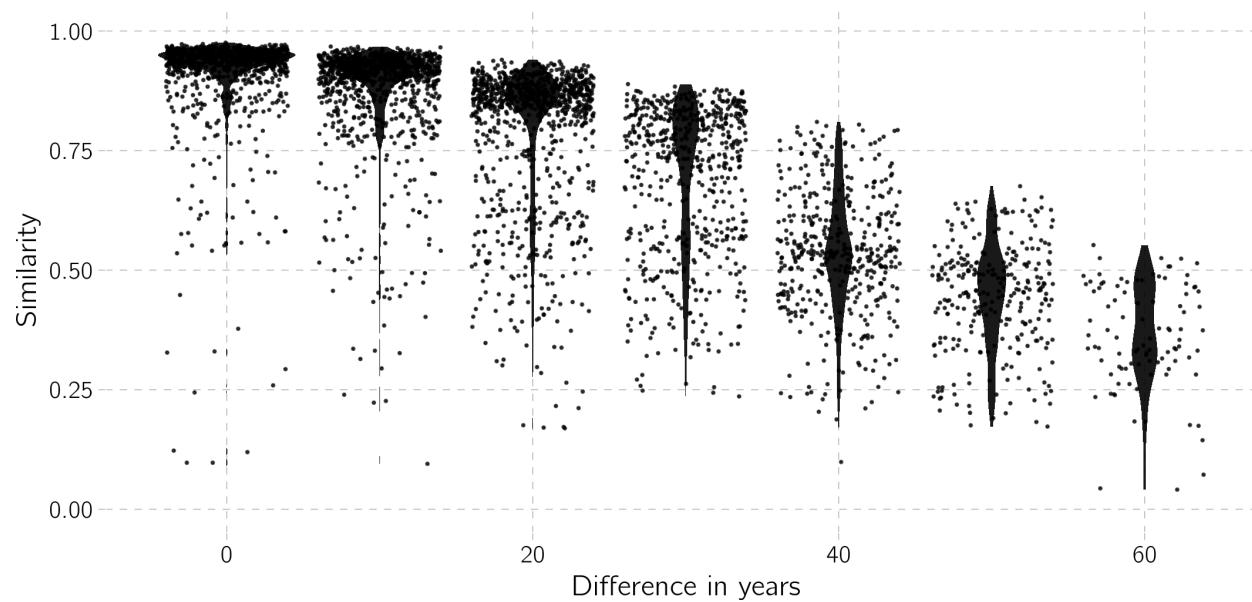
(Grouped every 10 years)



(Frankenreiter 4)

Version 4

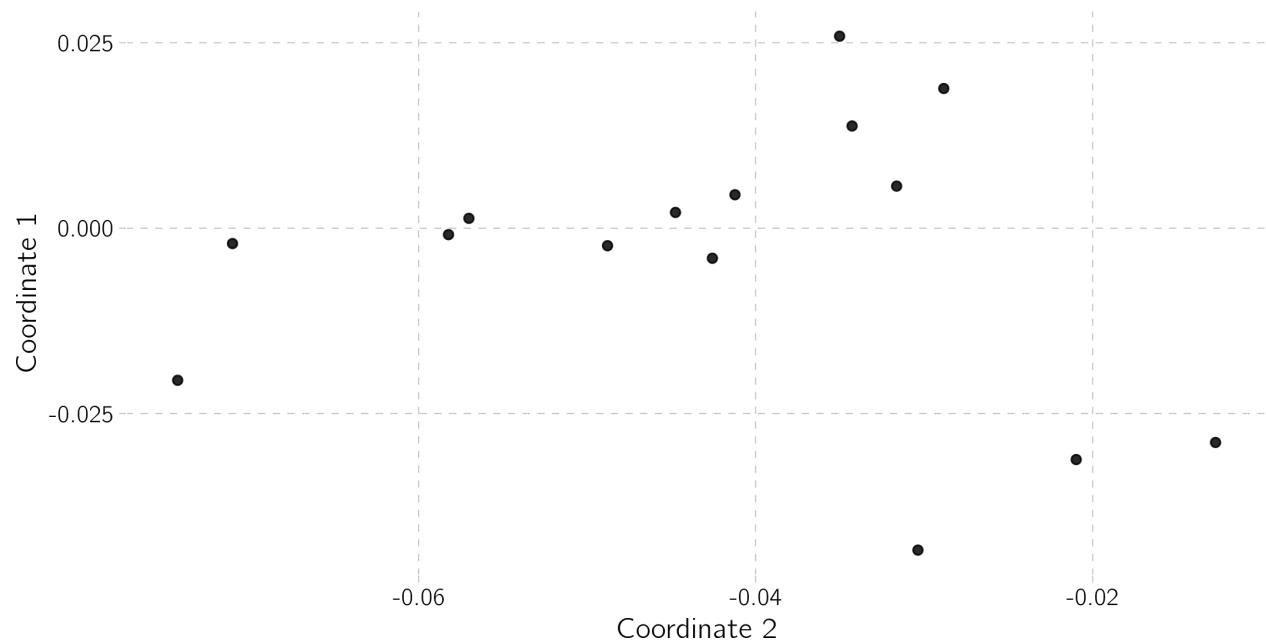
(Grouped every 10 years)



Frankenreiter Figure 5

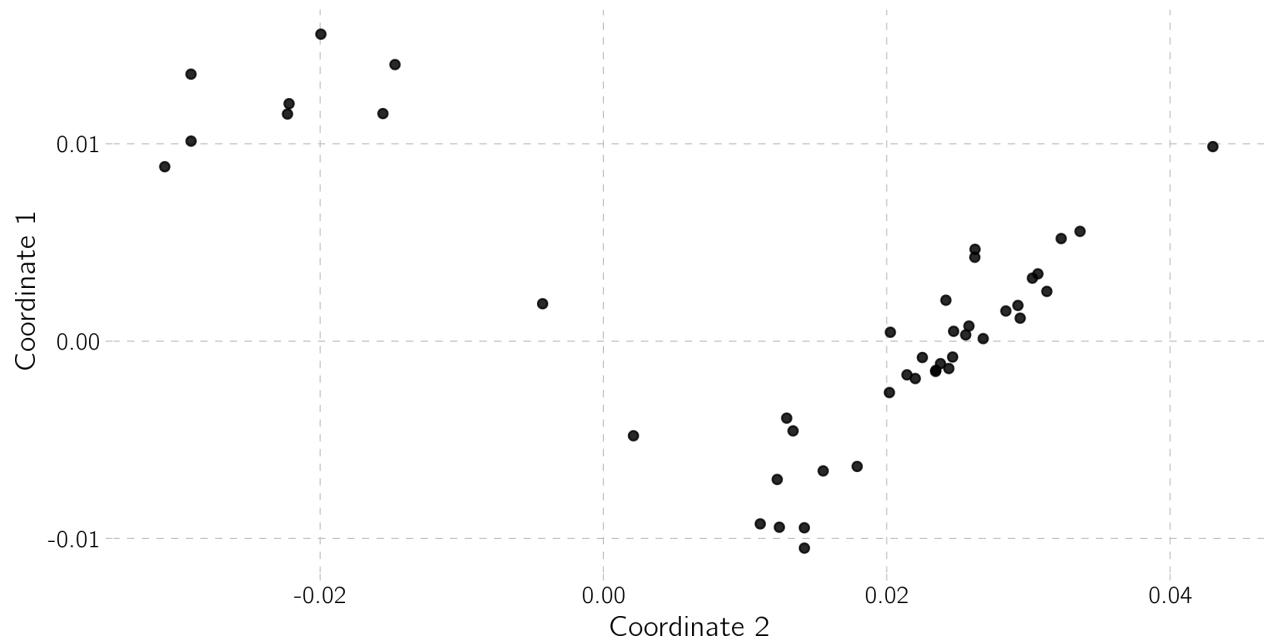
(Frankenreiter 5)

Version 1, 1950-1969



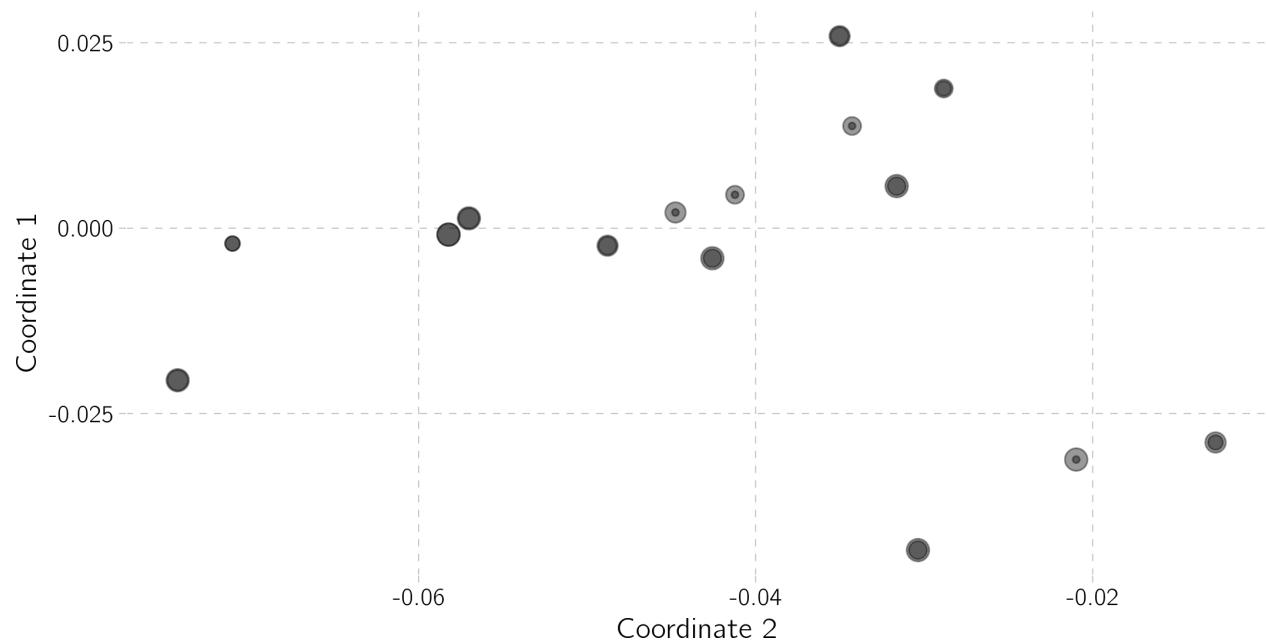
(Frankenreiter 5)

Version 1, 1970-2014



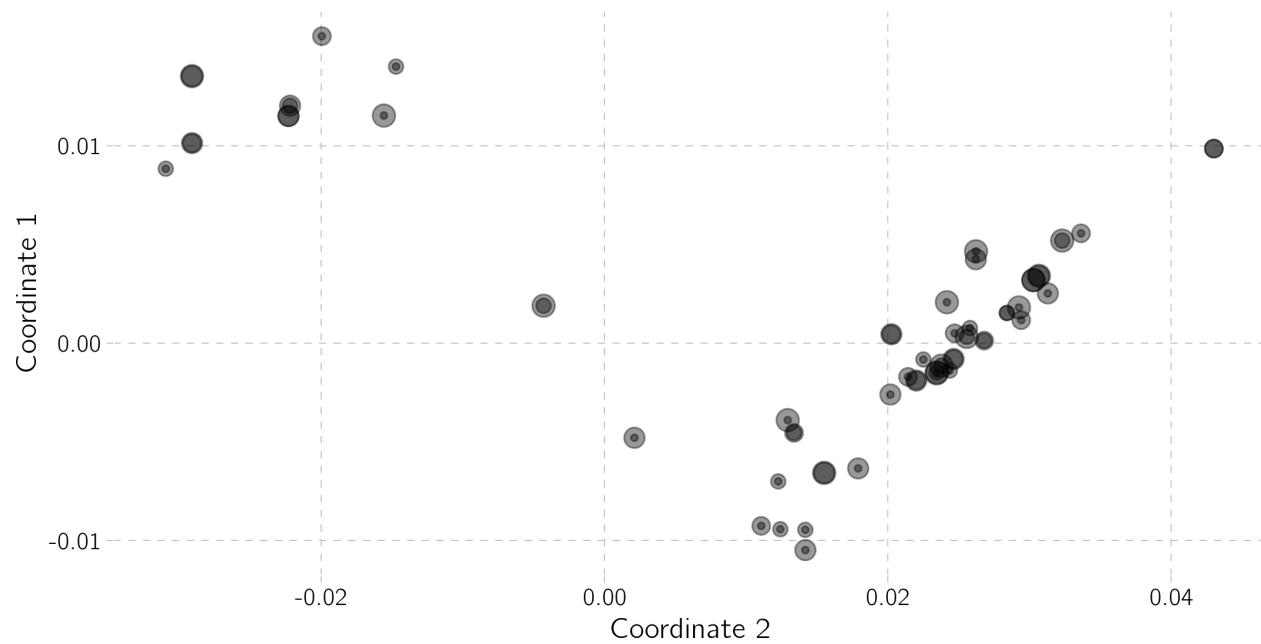
(Frankenreiter 5)

Version 2, 1950-1969



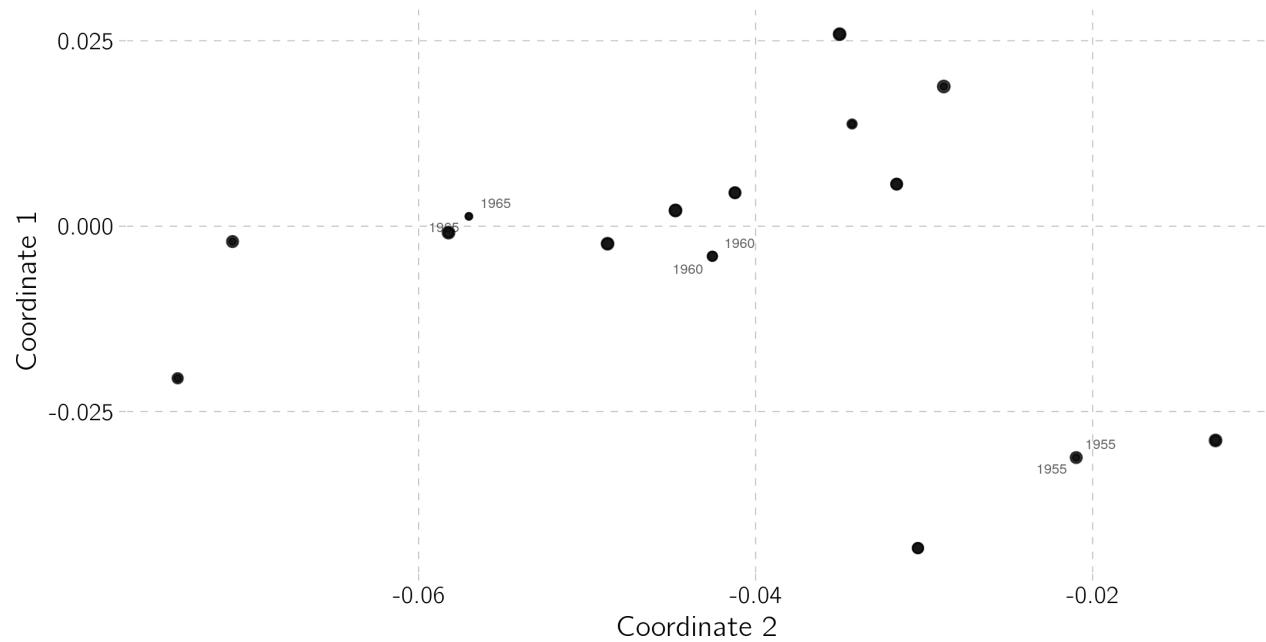
(Frankenreiter 5)

Version 2, 1970-2014



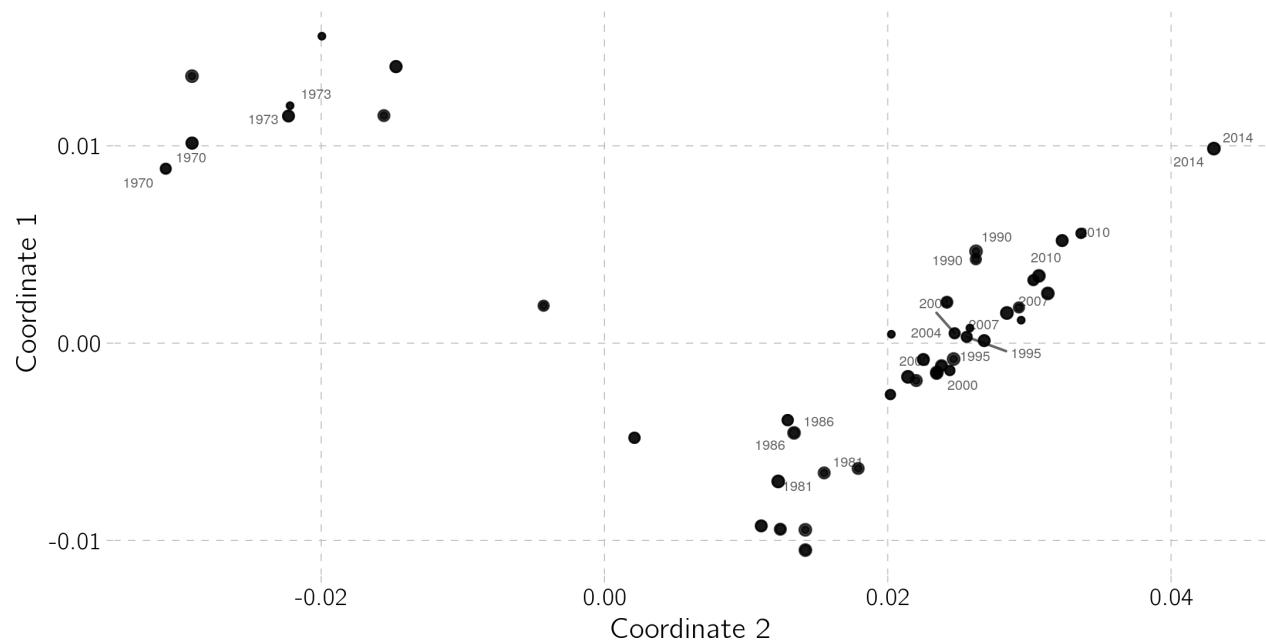
(Frankenreiter 5)

Version 3, 1950-1969



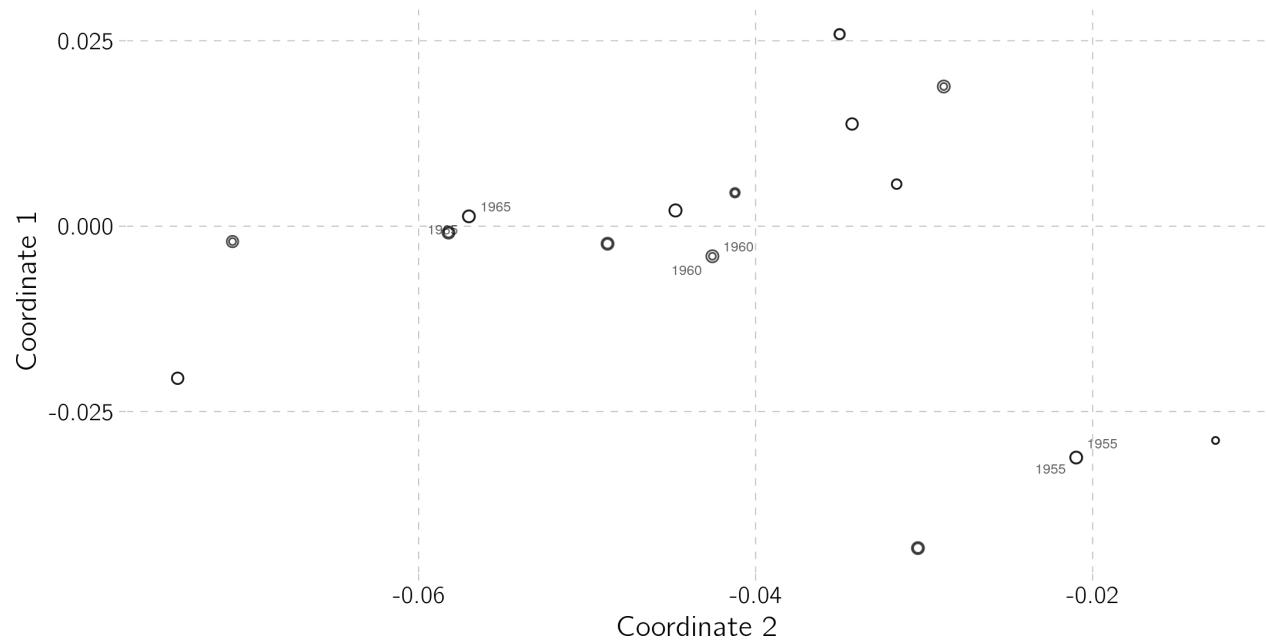
(Frankenreiter 5)

Version 3, 1970-2014



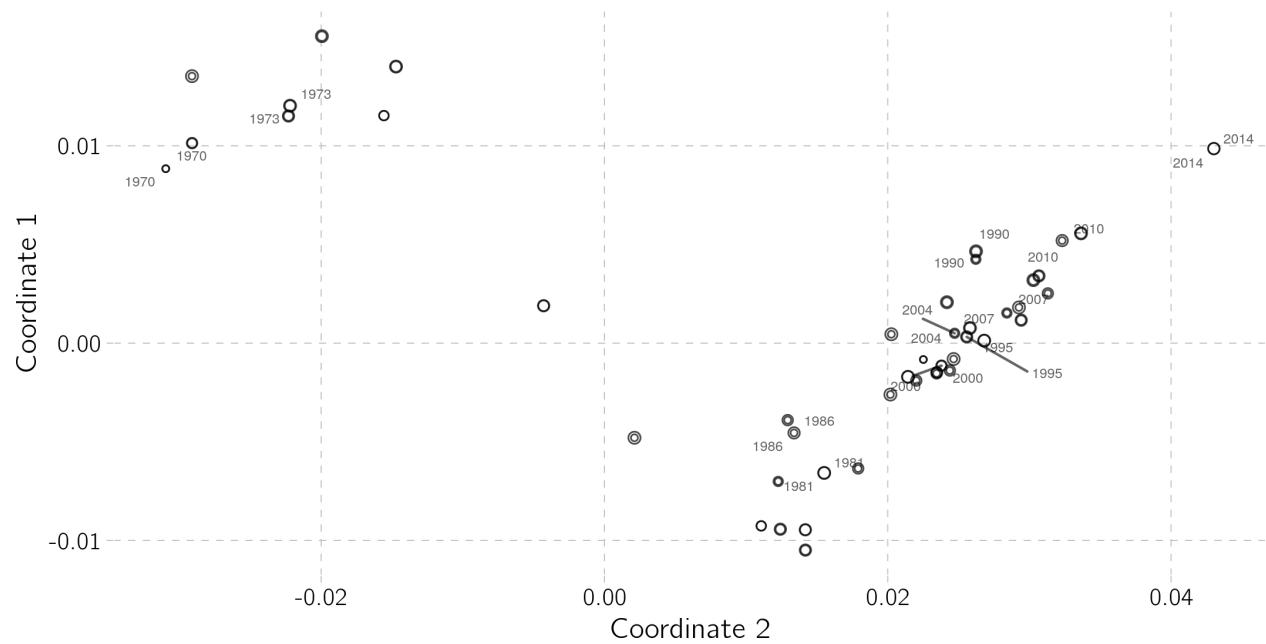
(Frankenreiter 5)

Version 4, 1950-1969



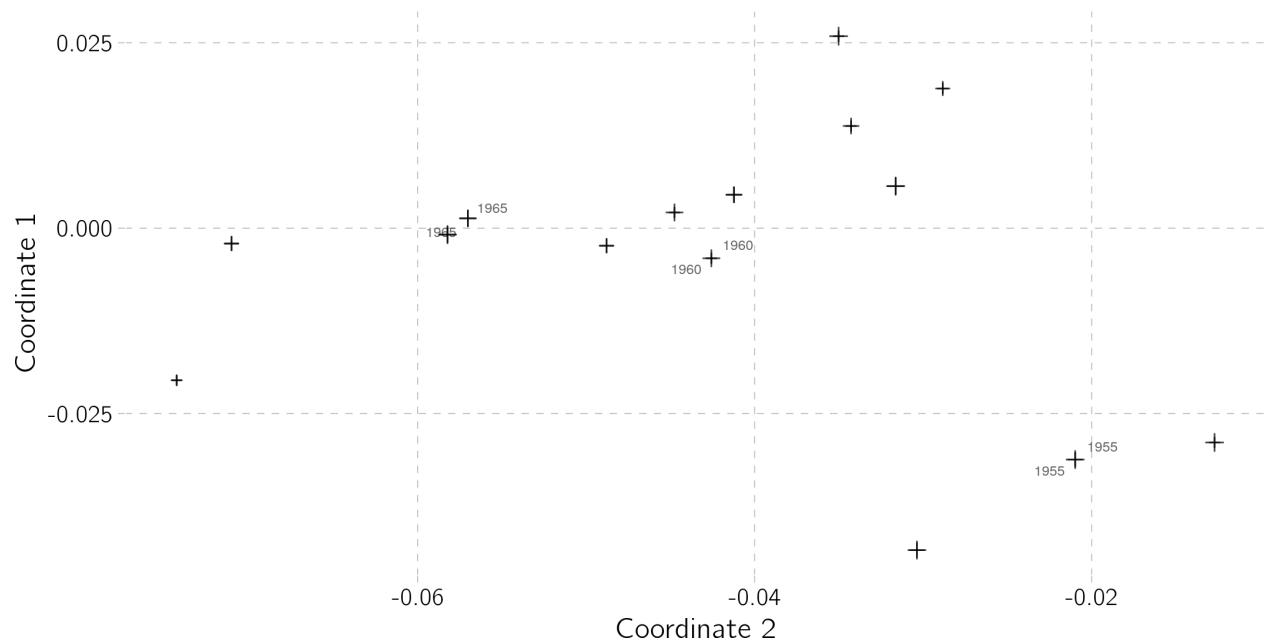
(Frankenreiter 5)

Version 4, 1970-2014



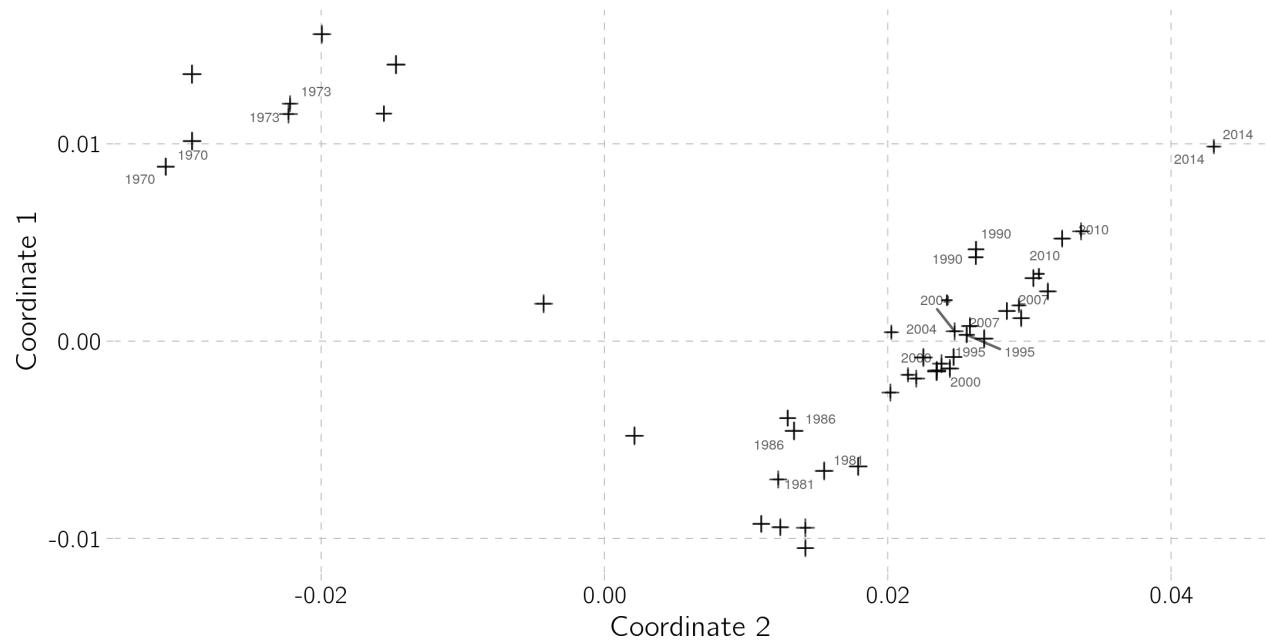
(Frankenreiter 5)

Version 4, 1950-1969



(Frankenreiter 5)

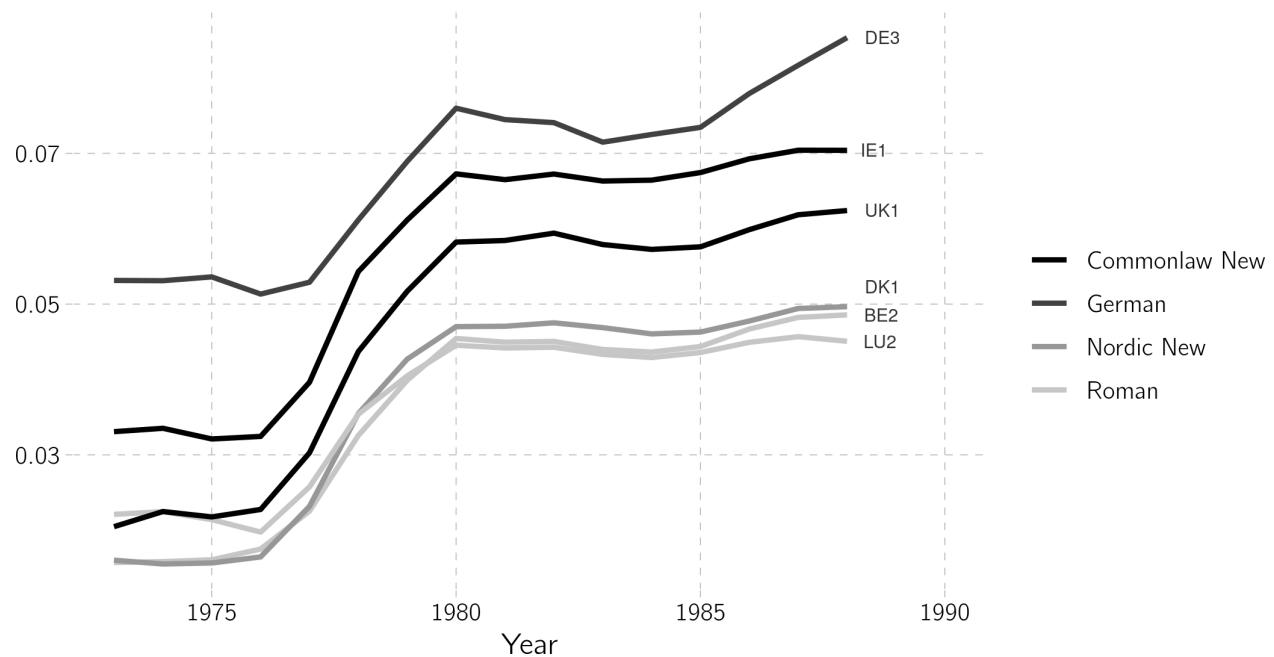
Version 4, 1970-2014



Frankenreiter Figure 6

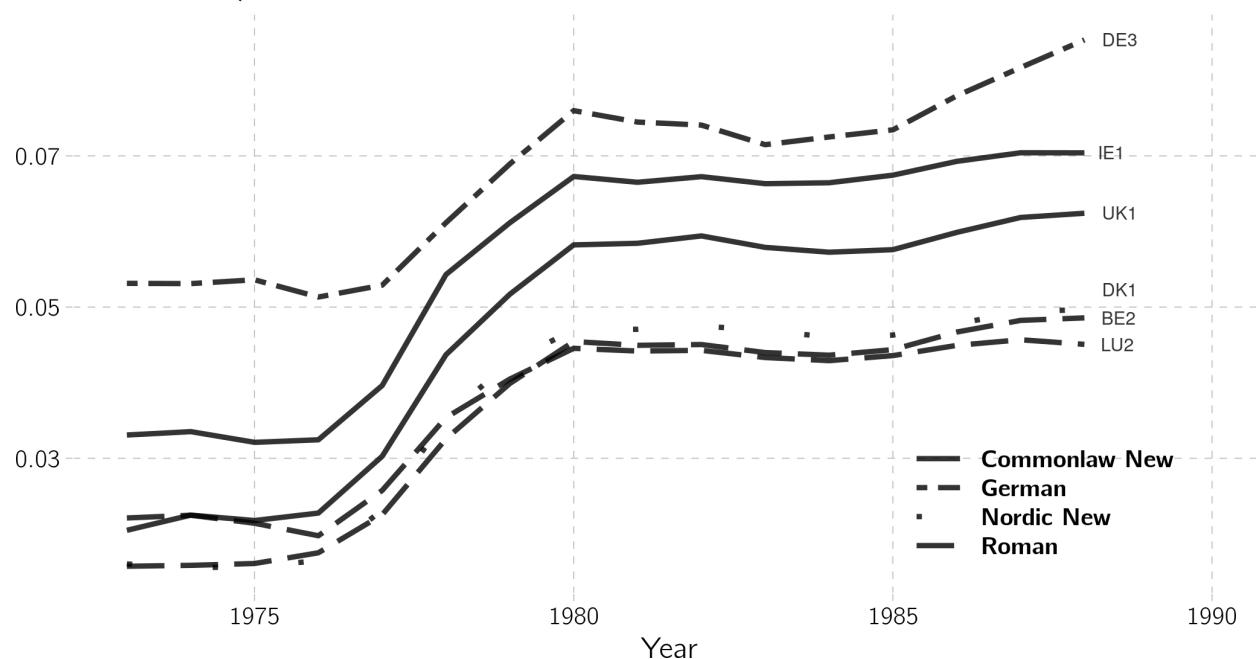
(Frankenreiter 6)

Version 1 (1973 enlargement)



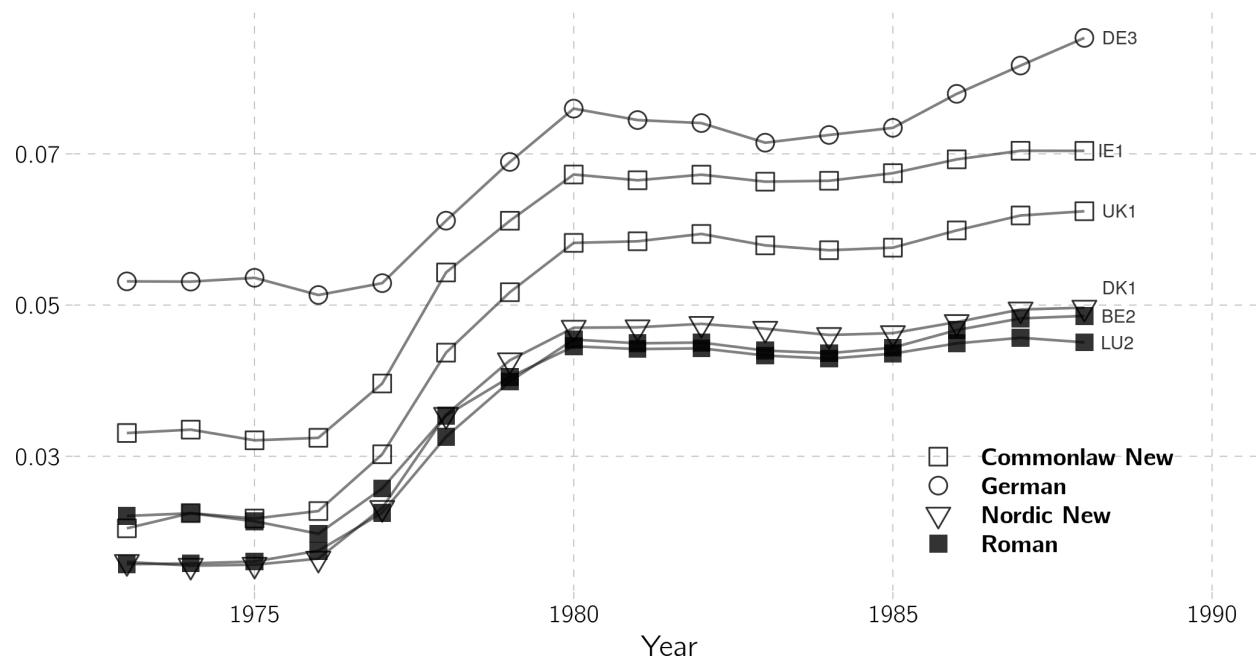
(Frankenreiter 6)

Version 2 (1973 enlargement)



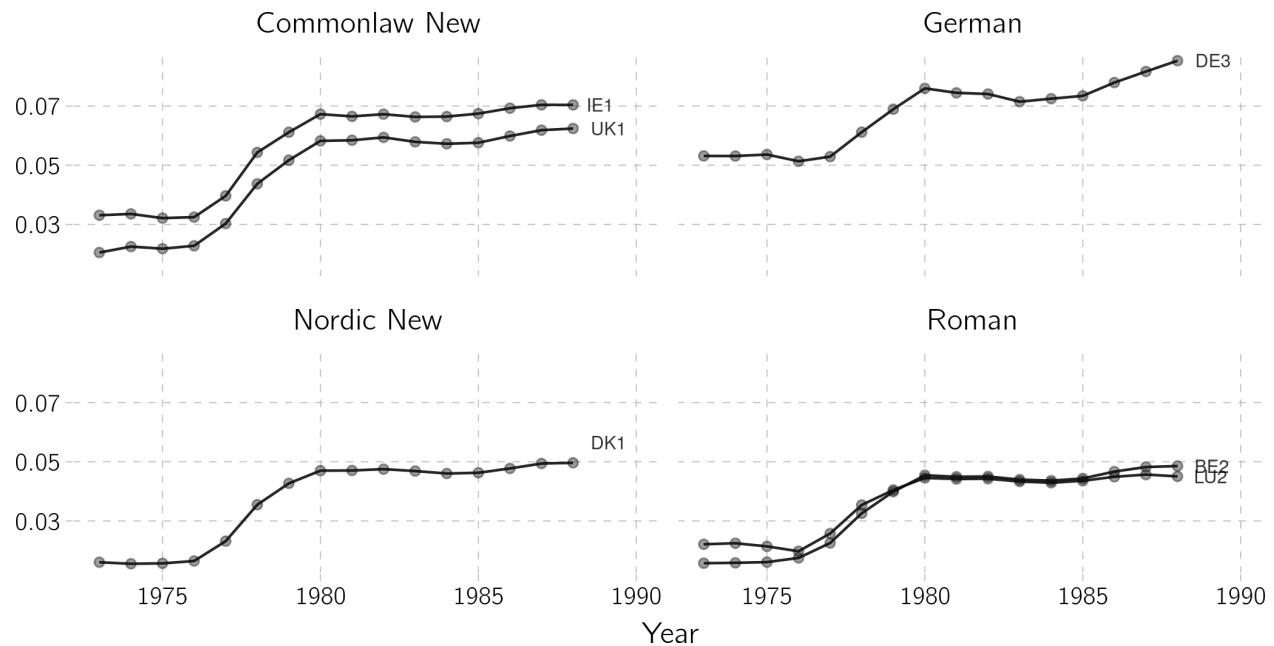
(Frankenreiter 6)

Version 3 (1973 enlargement)



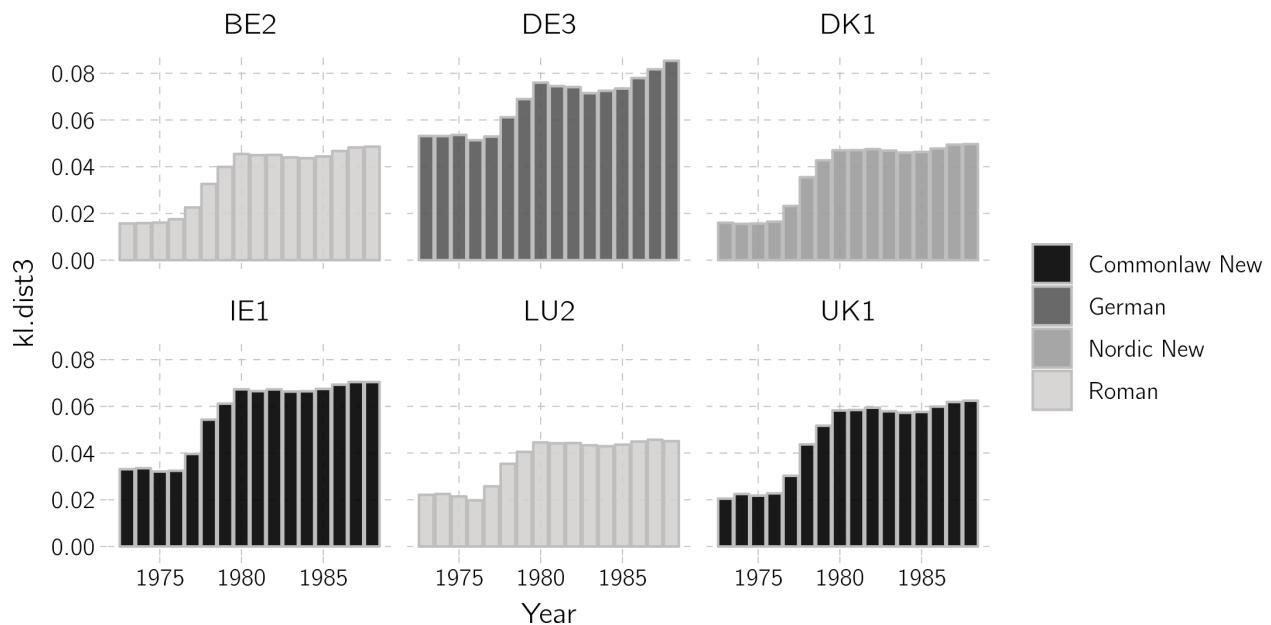
(Frankenreiter 6)

Version 4 (1973 enlargement)



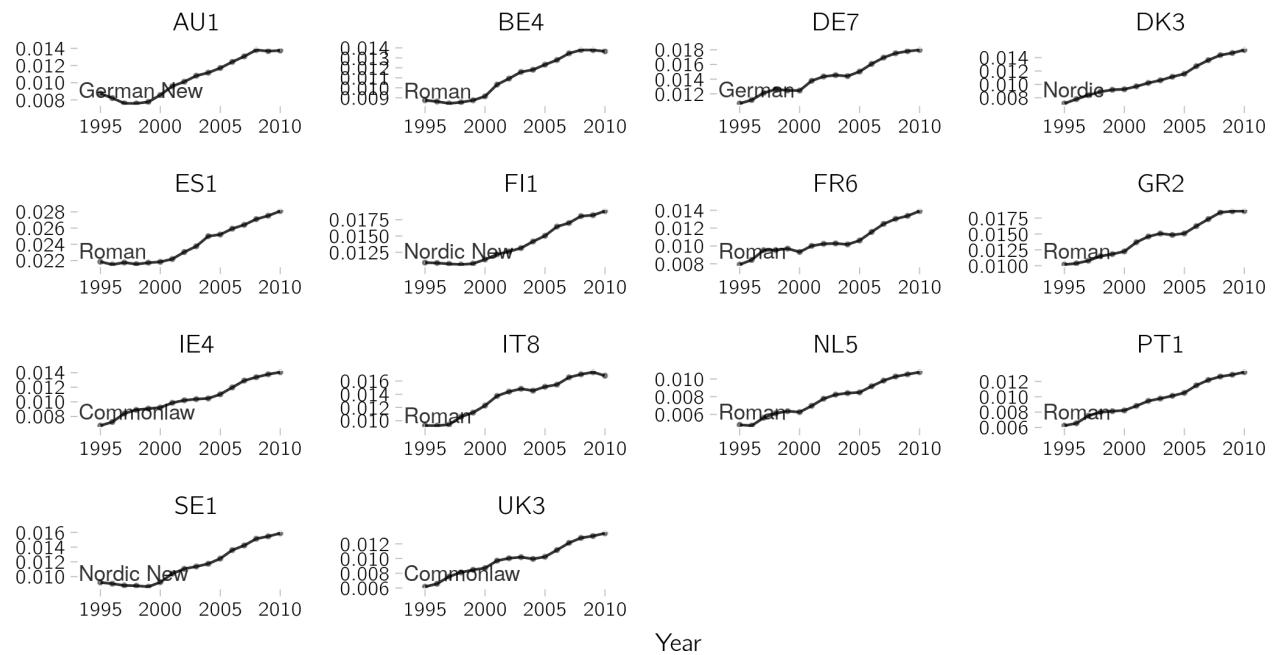
(Frankenreiter 6)

Version 5 (1973 enlargement)



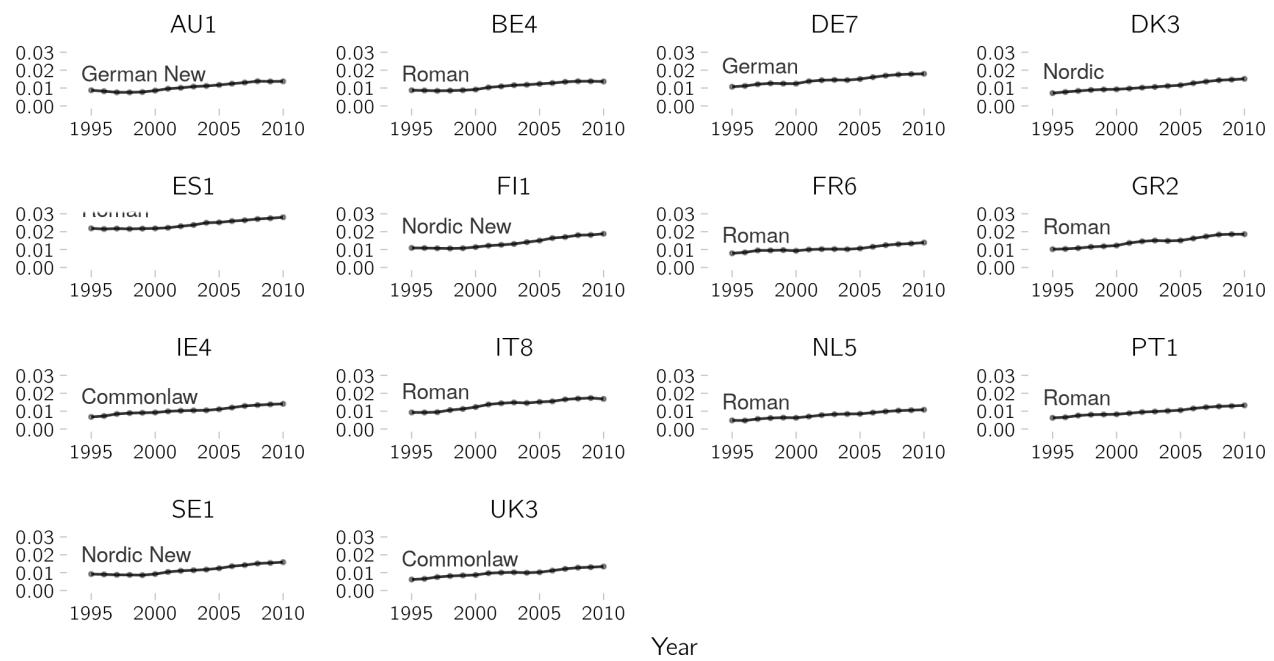
(Frankenreiter 6)

Version 1 (1995 enlargement)



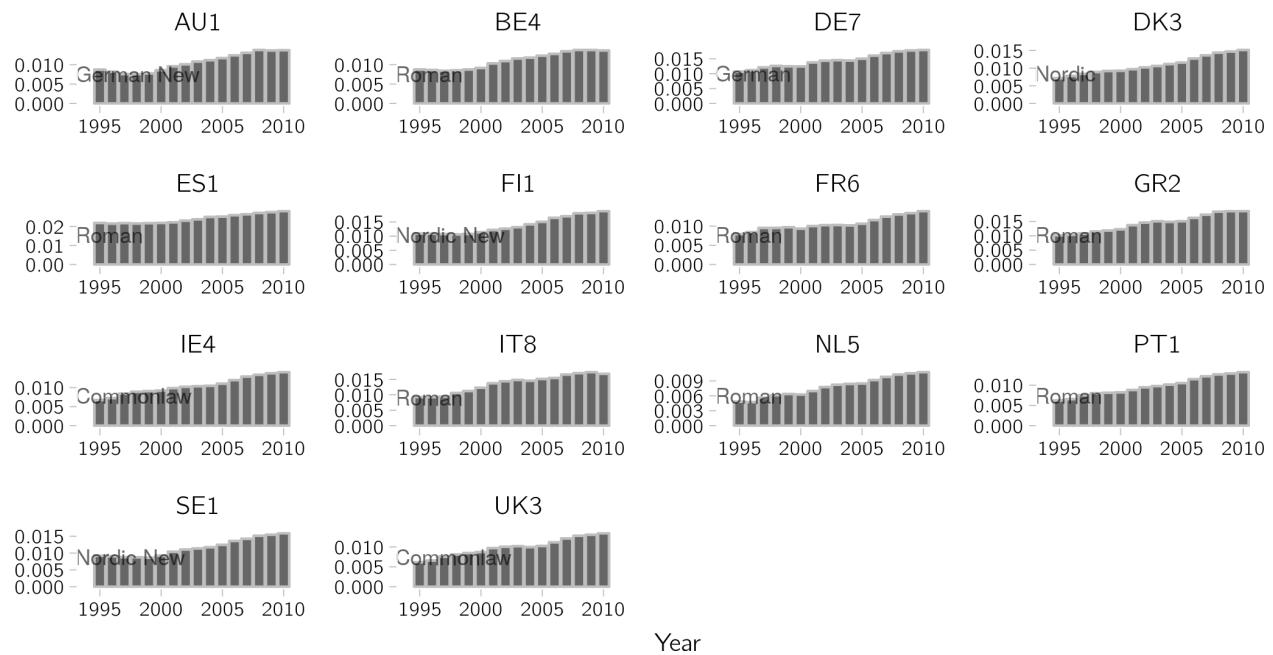
(Frankenreiter 6)

Version 2 (1995 enlargement)



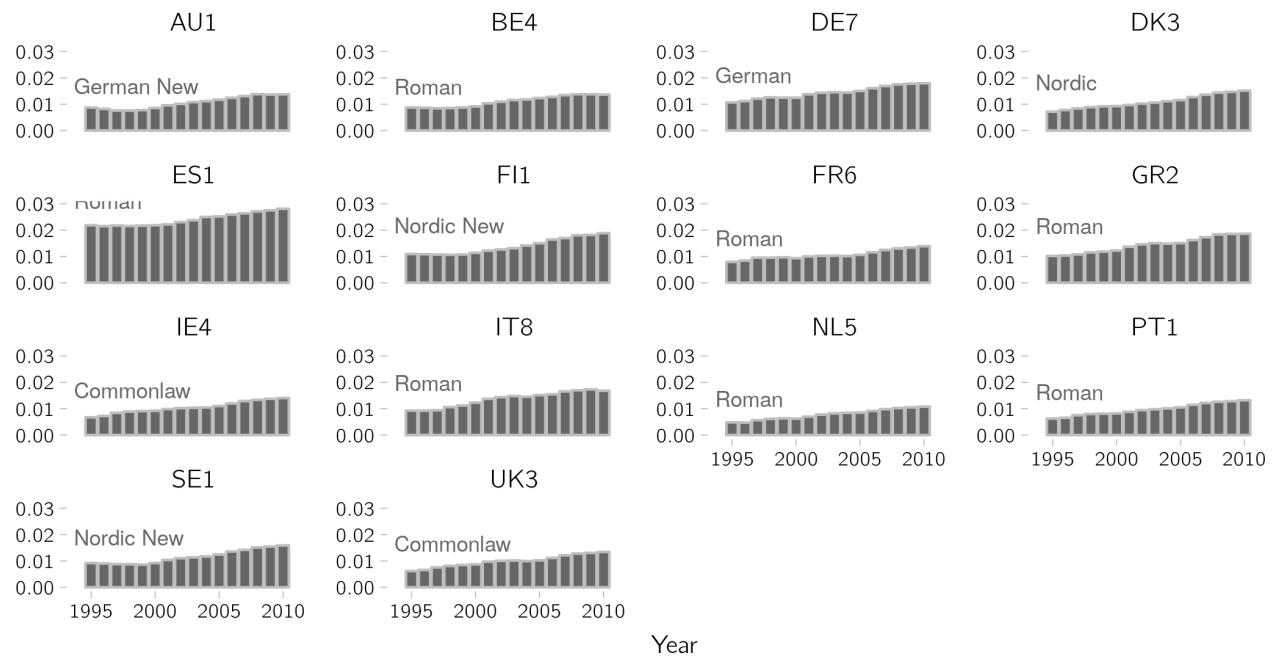
(Frankenreiter 6)

Version 3 (1995 enlargement)



(Frankenreiter 6)

Version 4 (1995 enlargement)



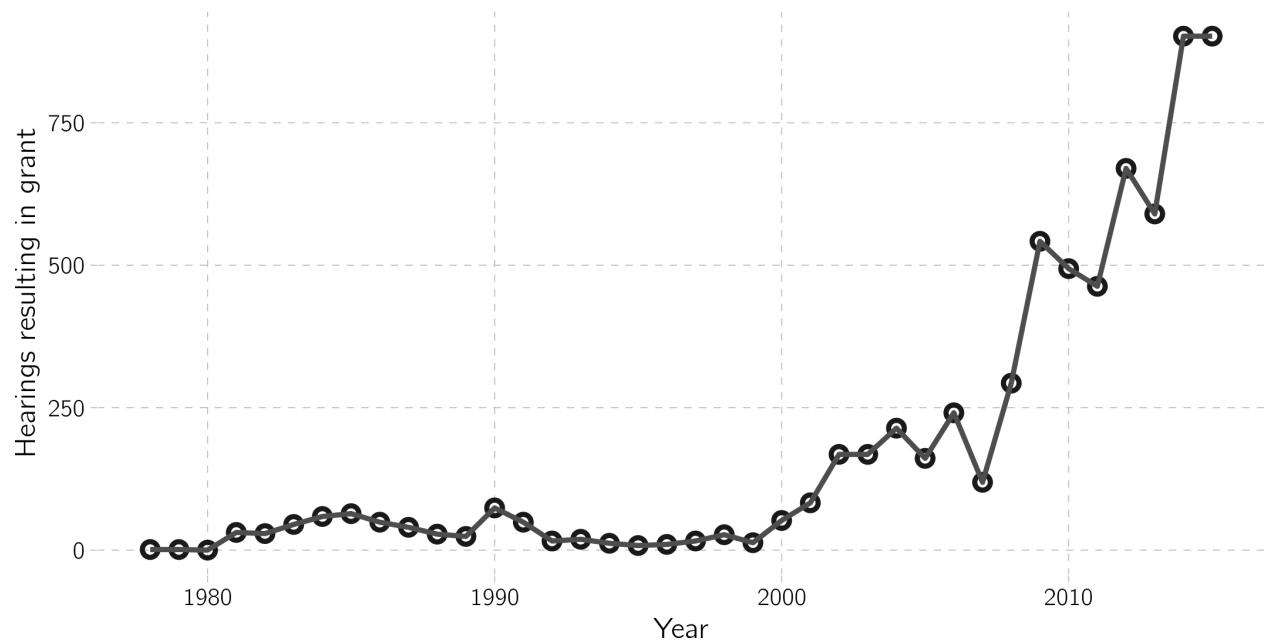
Laqueur

Laqueur

Laqueur Figure 1

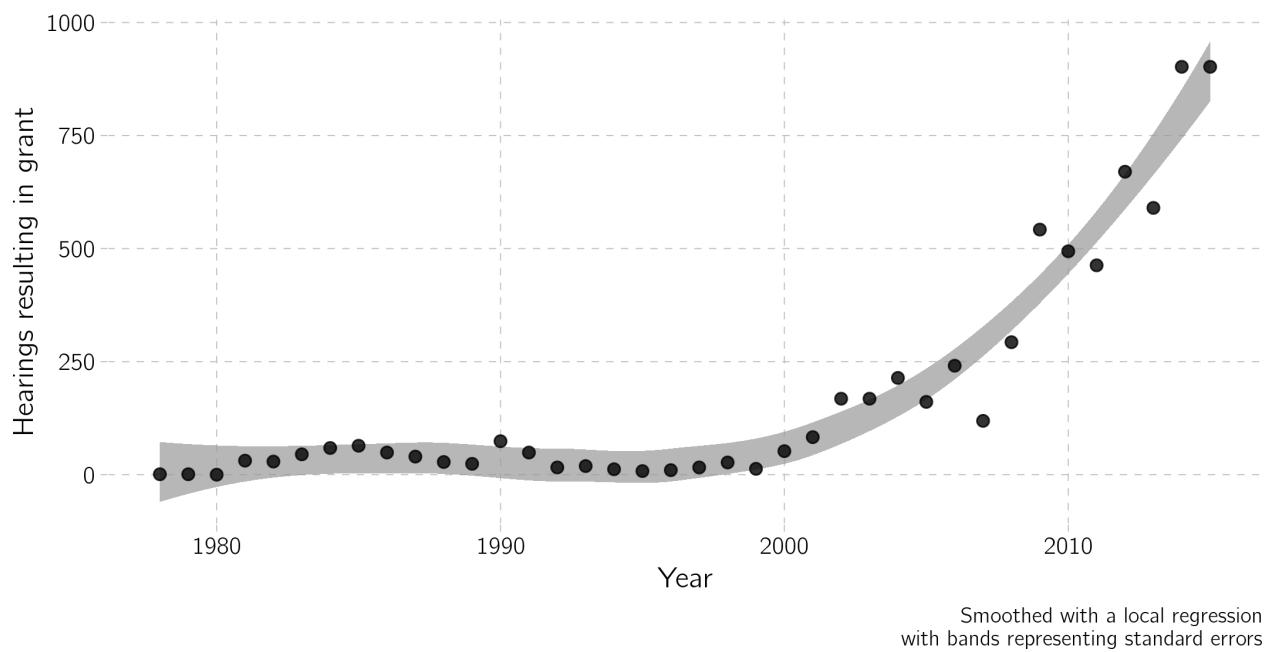
(Laqueur 1)

Version 1



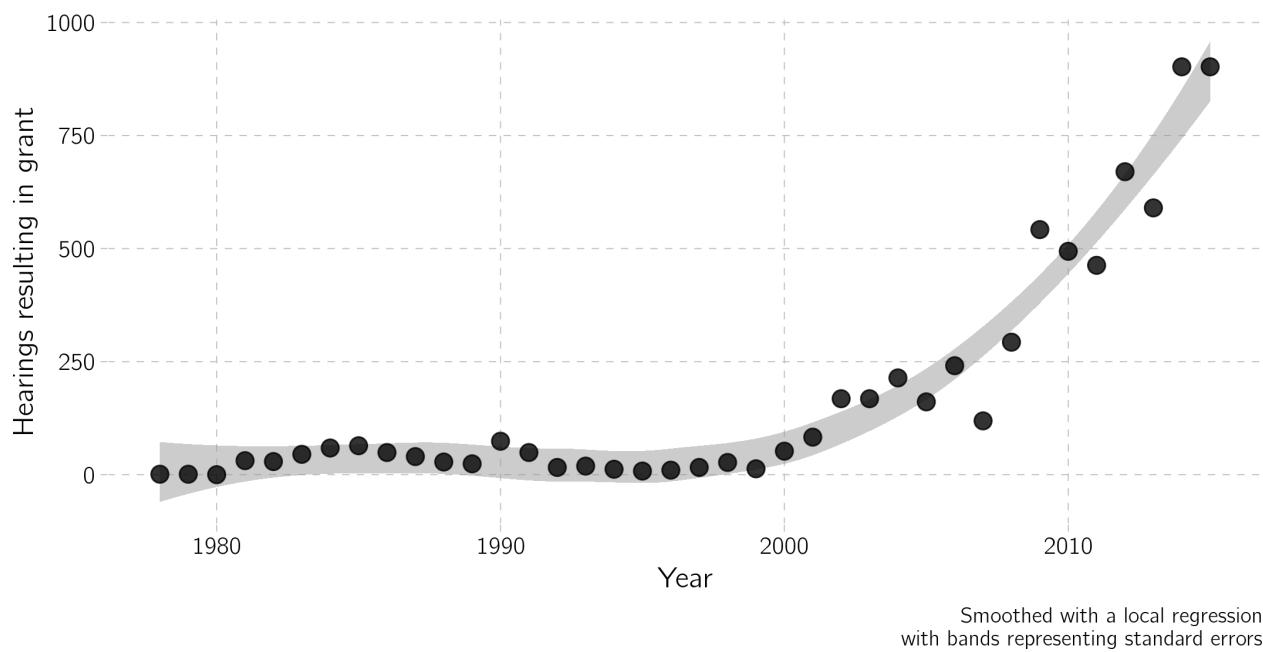
(Laqueur 1)

Version 2



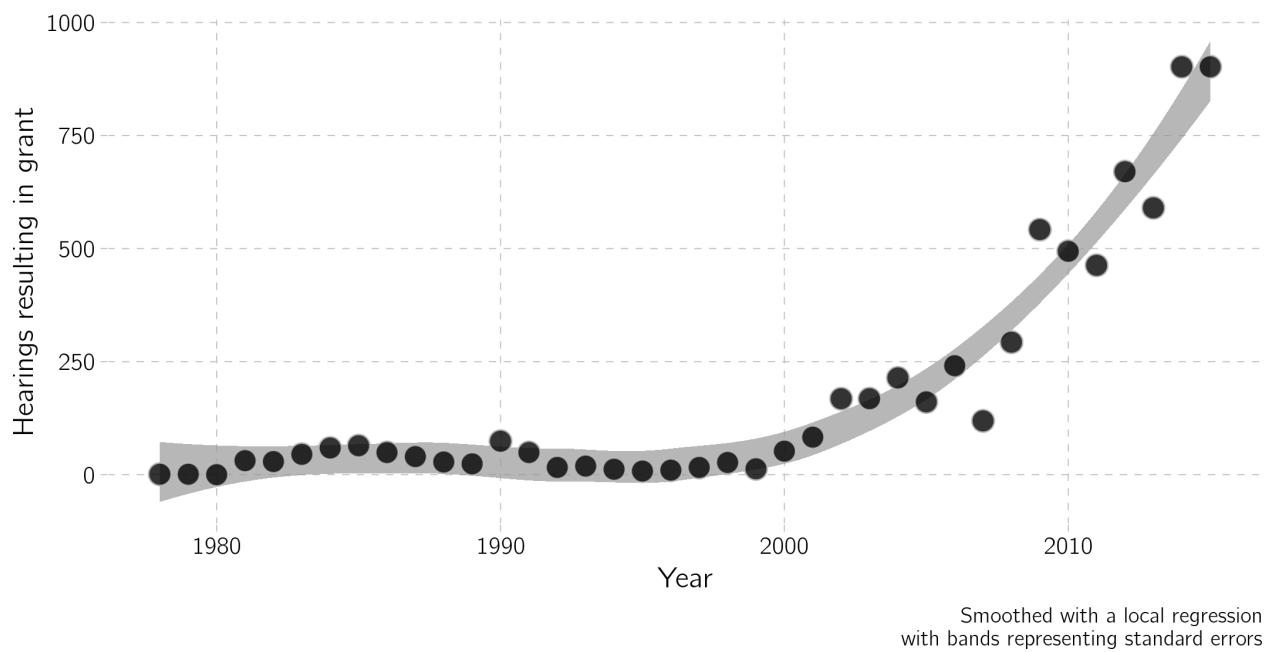
(Laqueur 1)

Version 3



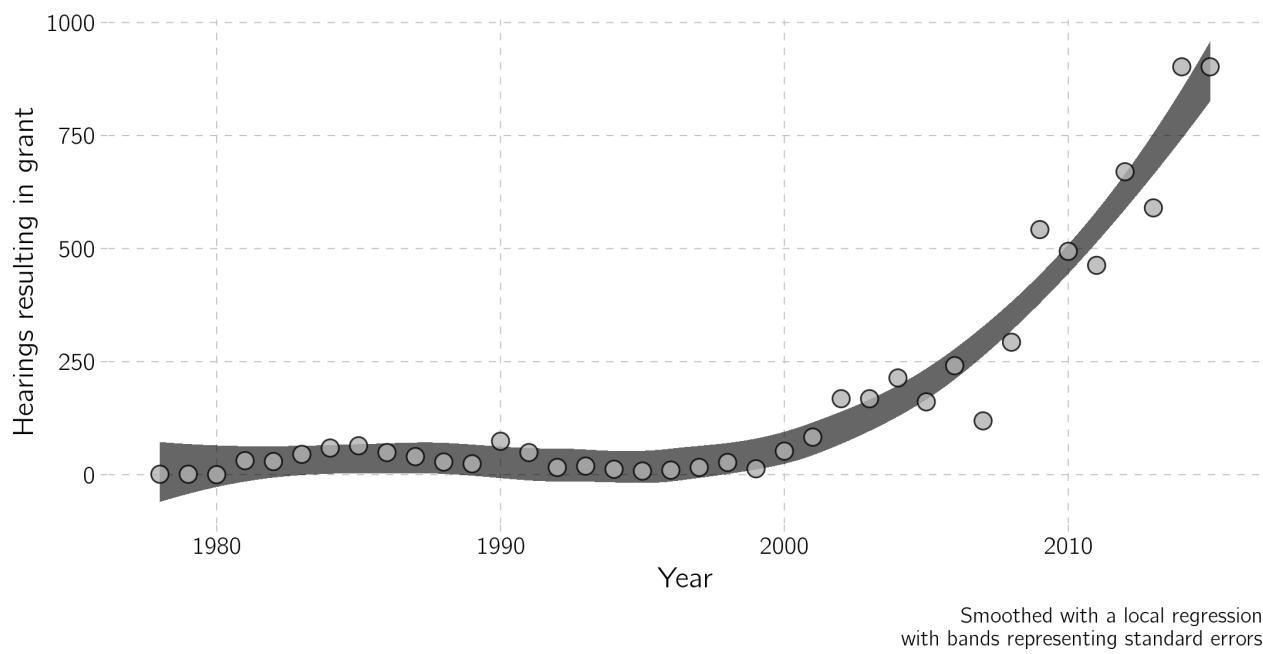
(Laqueur 1)

Version 4



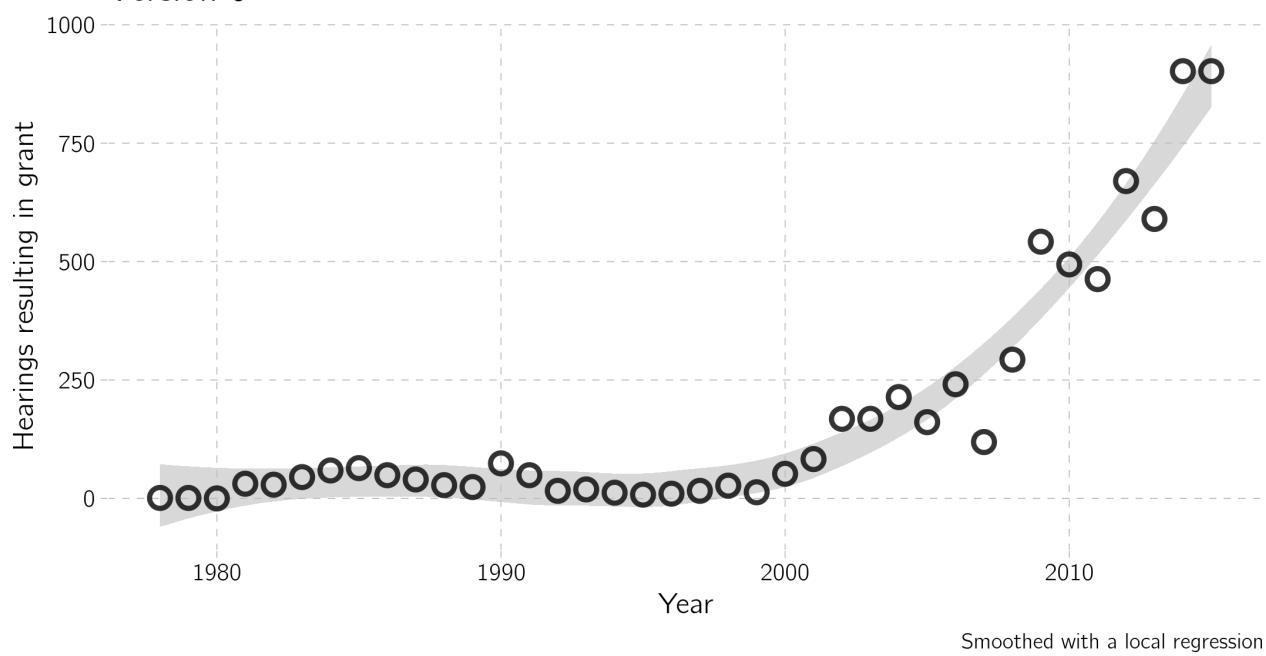
(Laqueur 1)

Version 5



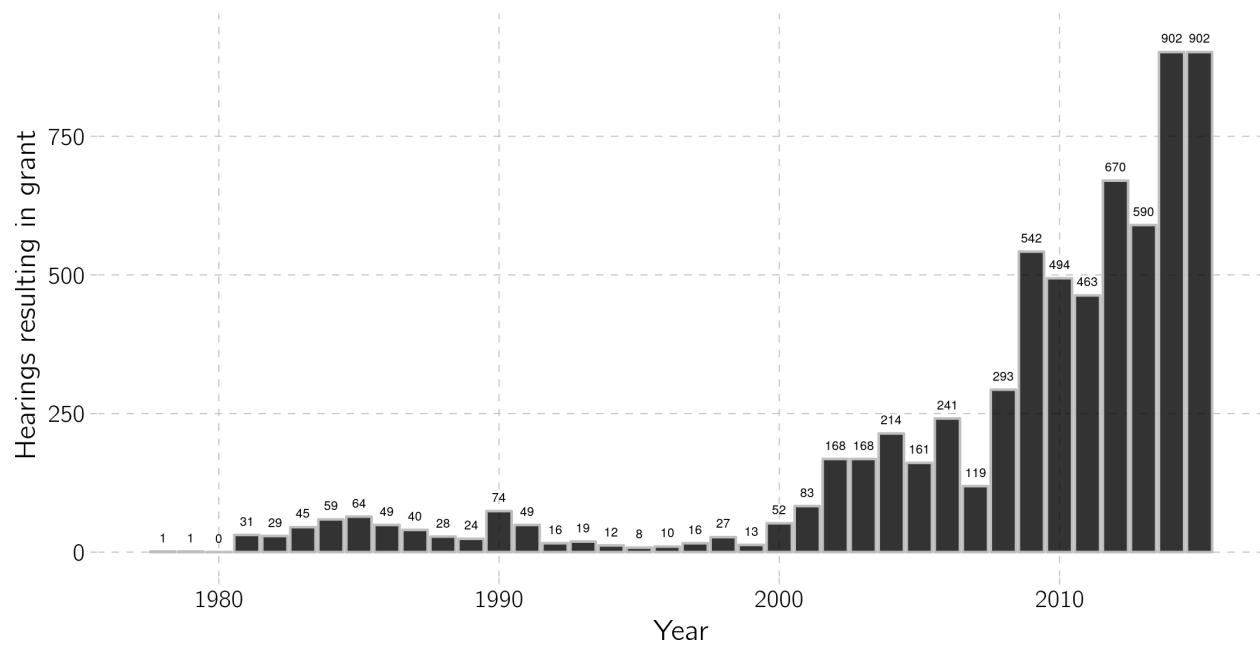
(Laqueur 1)

Version 6



(Laqueur 1)

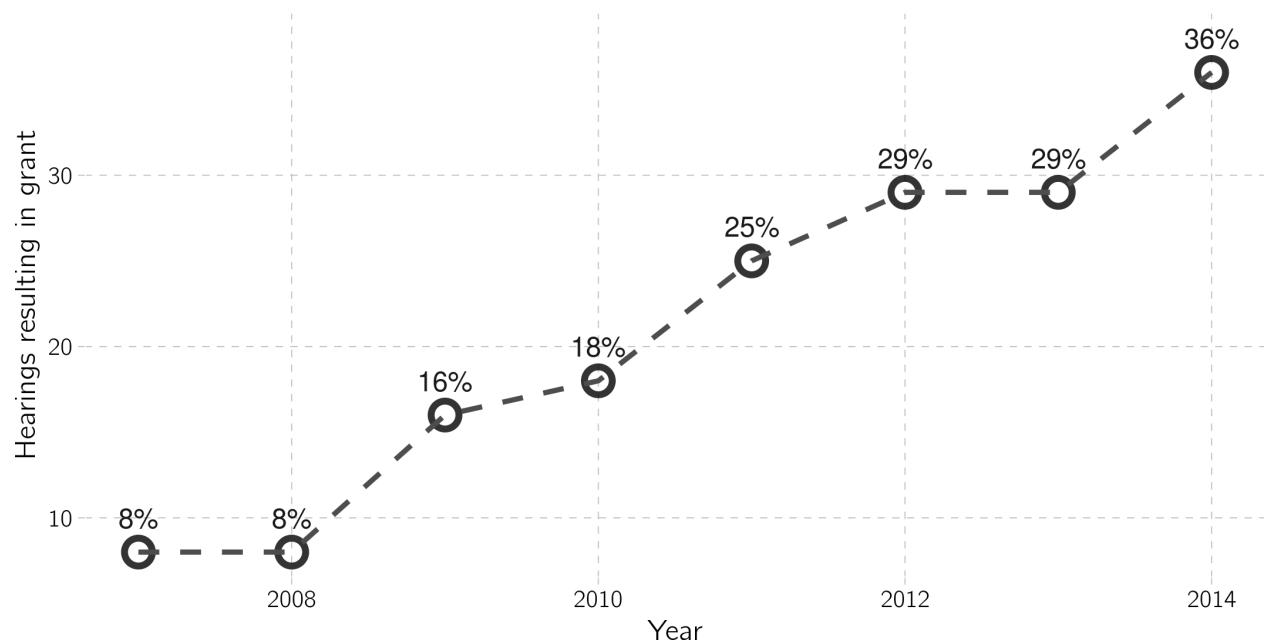
Version 7



Laqueur Figure 2

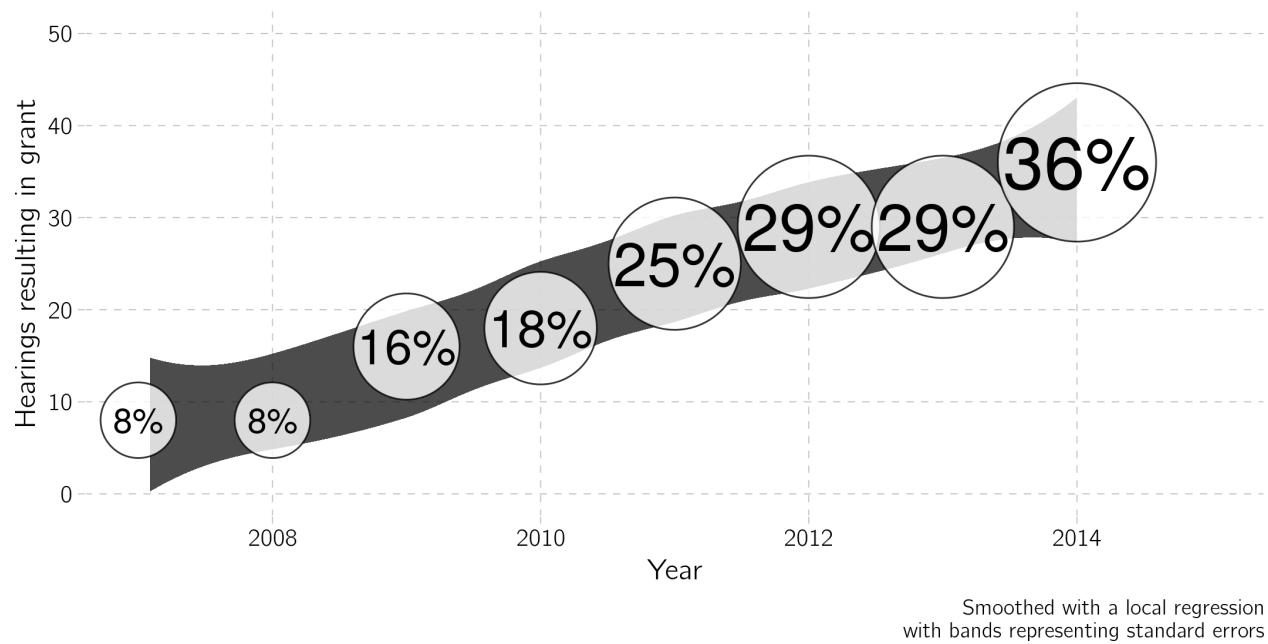
(Laqueur 2)

Version 1



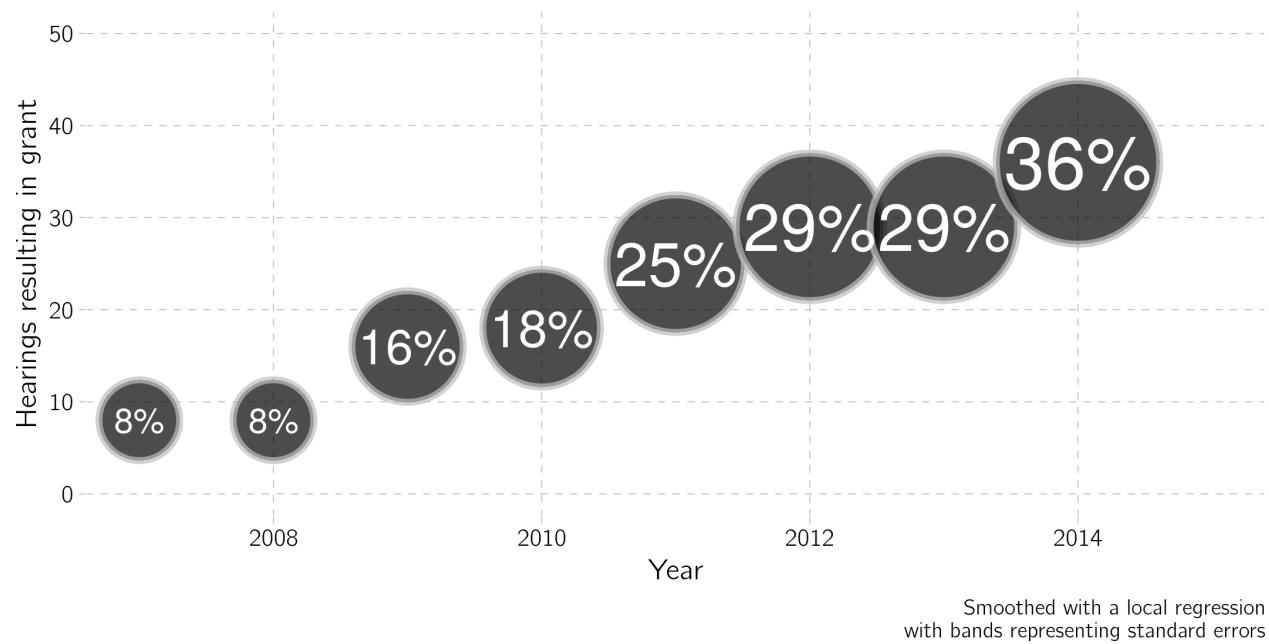
(Laqueur 2)

Version 2



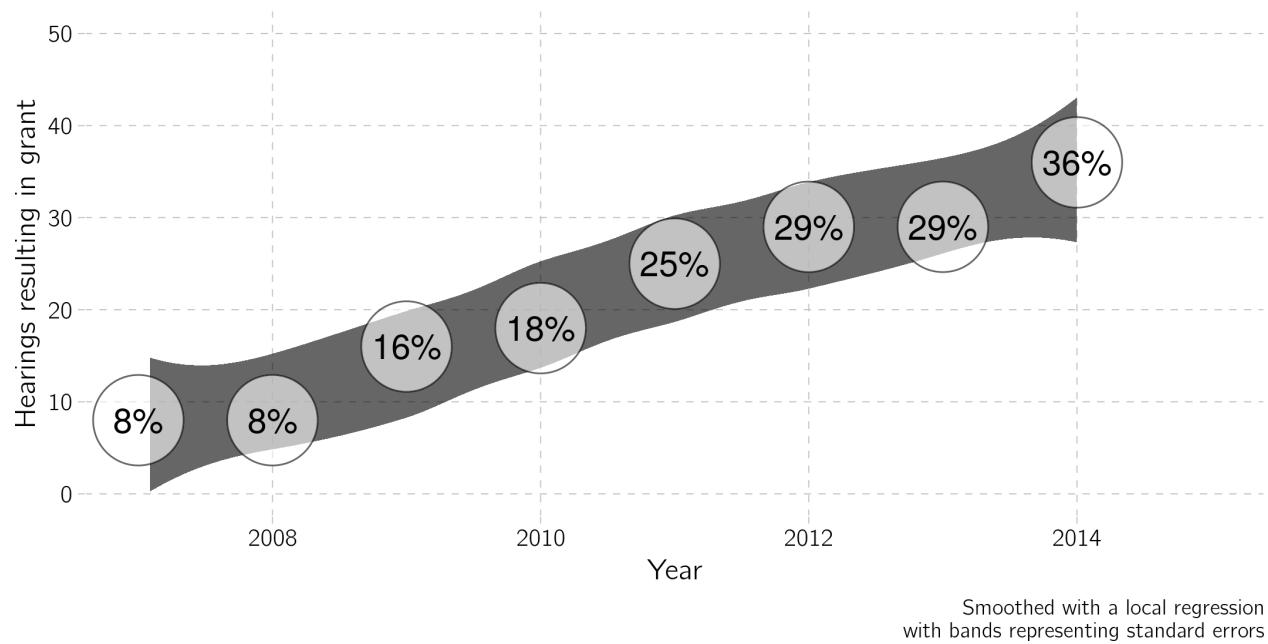
(Laqueur 2)

Version 3



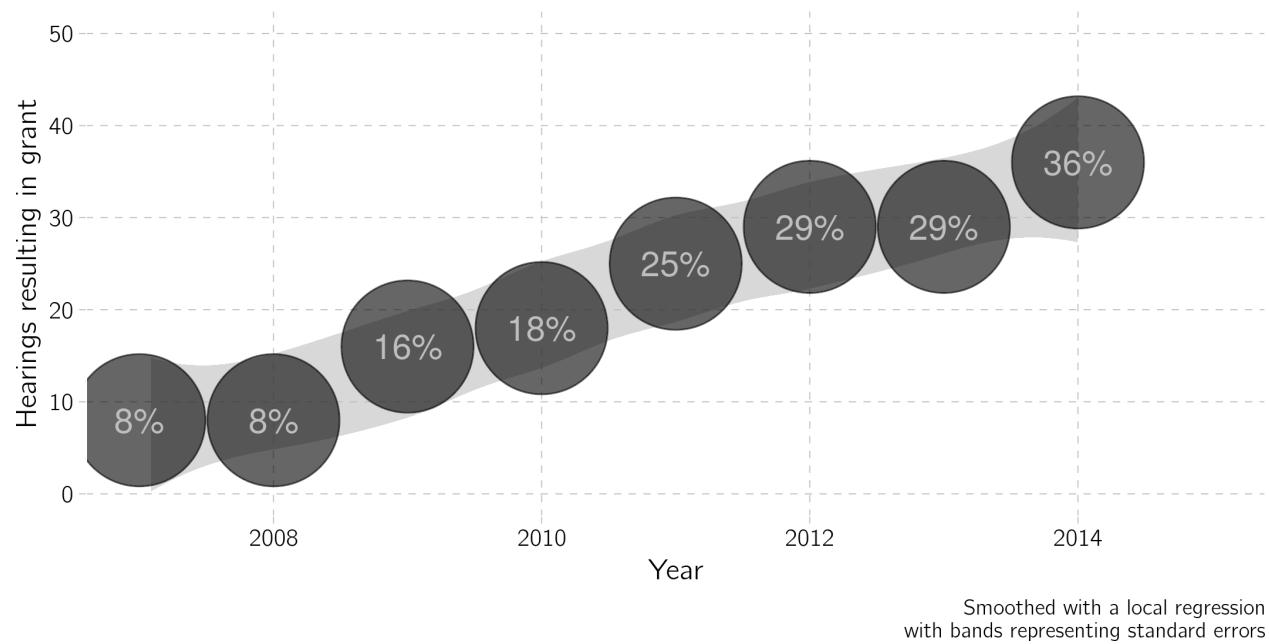
(Laqueur 2)

Version 4



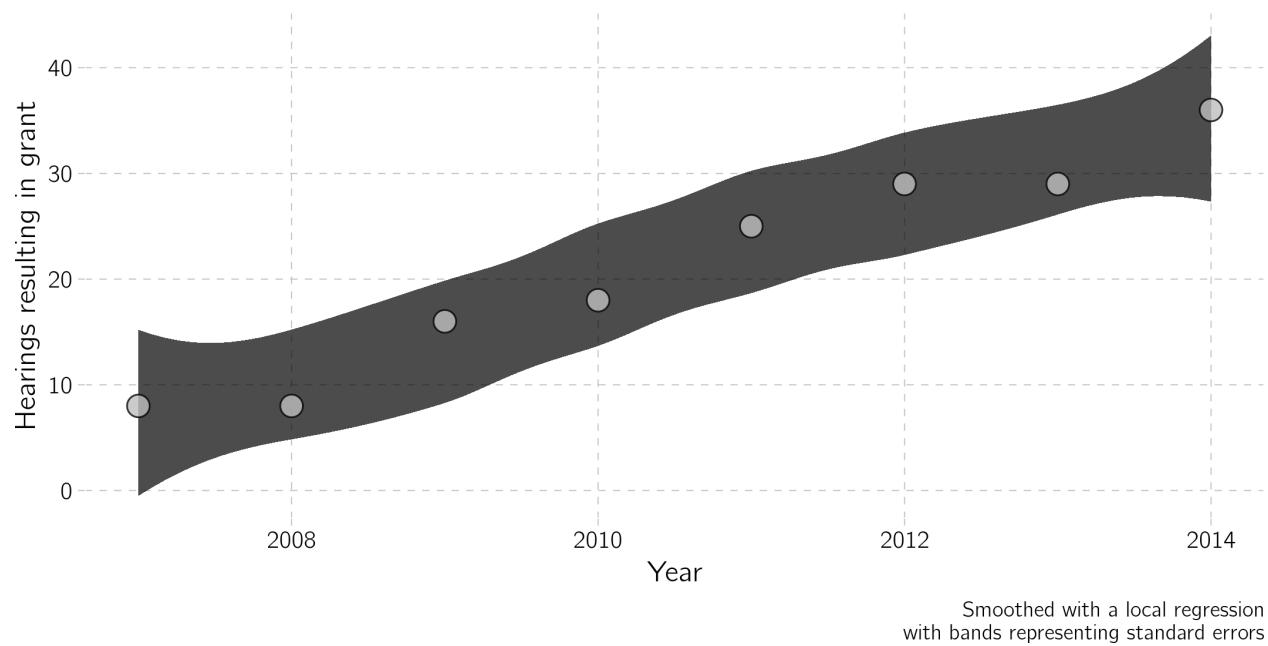
(Laqueur 2)

Version 5



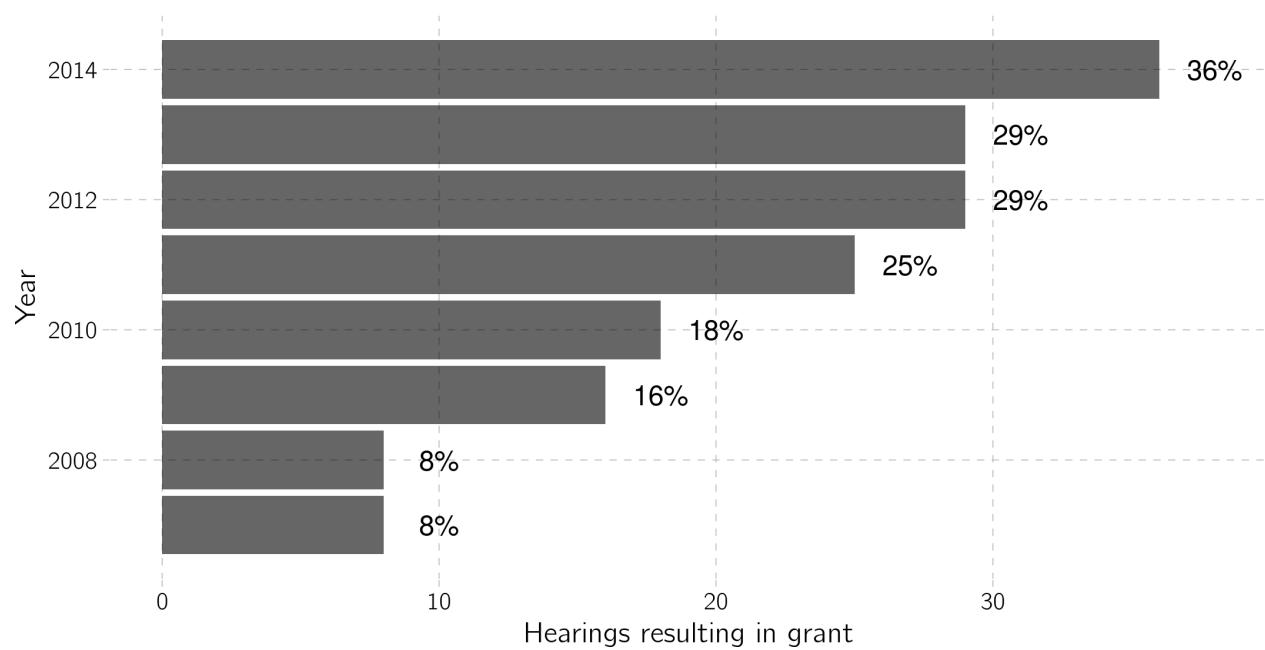
(Laqueur 2)

Version 6



(Laqueur 2)

Version 7



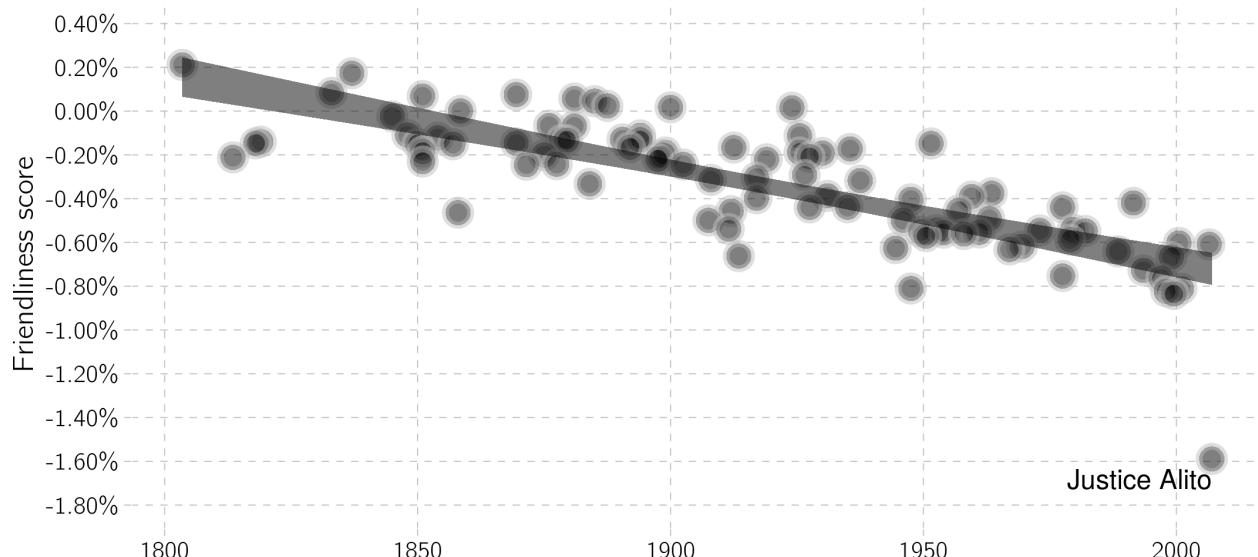
Livermore

Livermore

Livermore Figure 1

(Livermore 1)

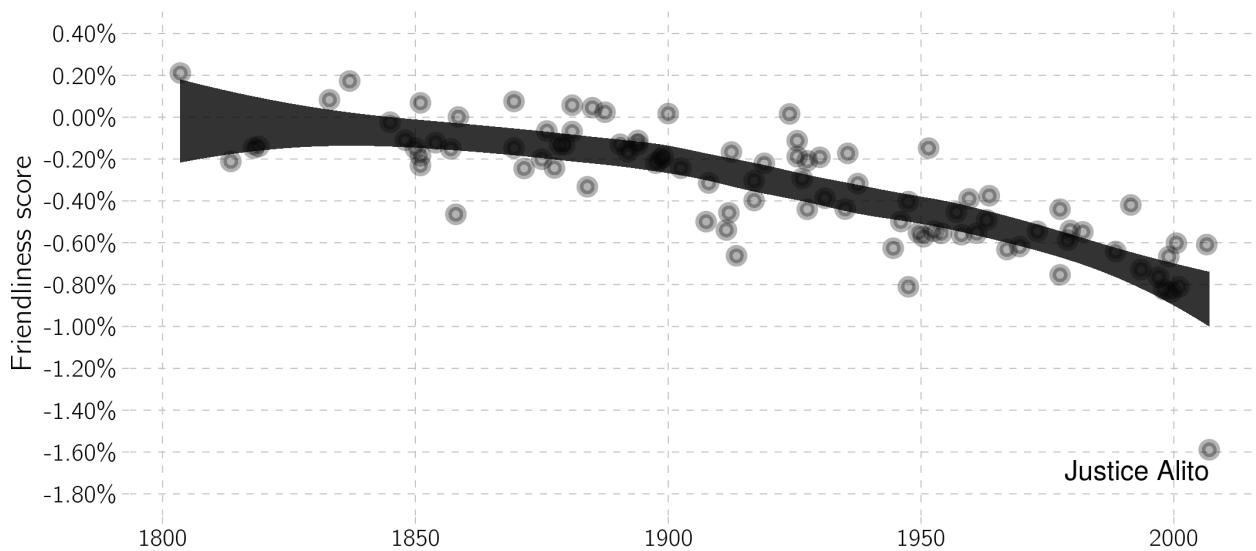
Version 1



Standard errors estimated with a linear regression

(Livermore 1)

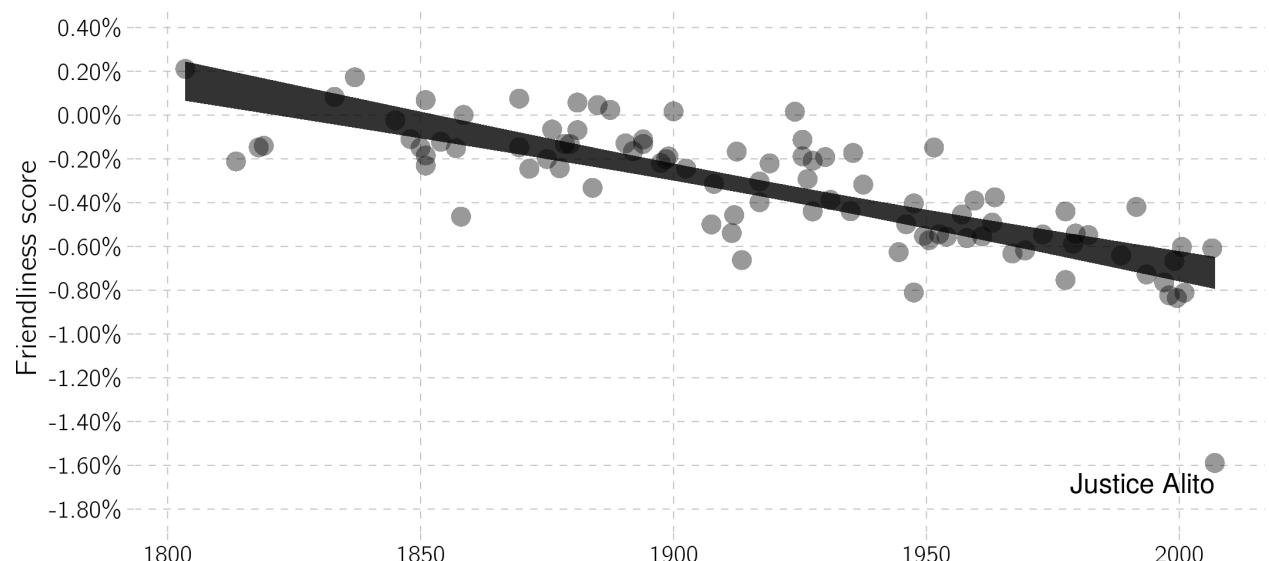
Version 2



Smoothed with a local regression
with bands representing standard errors

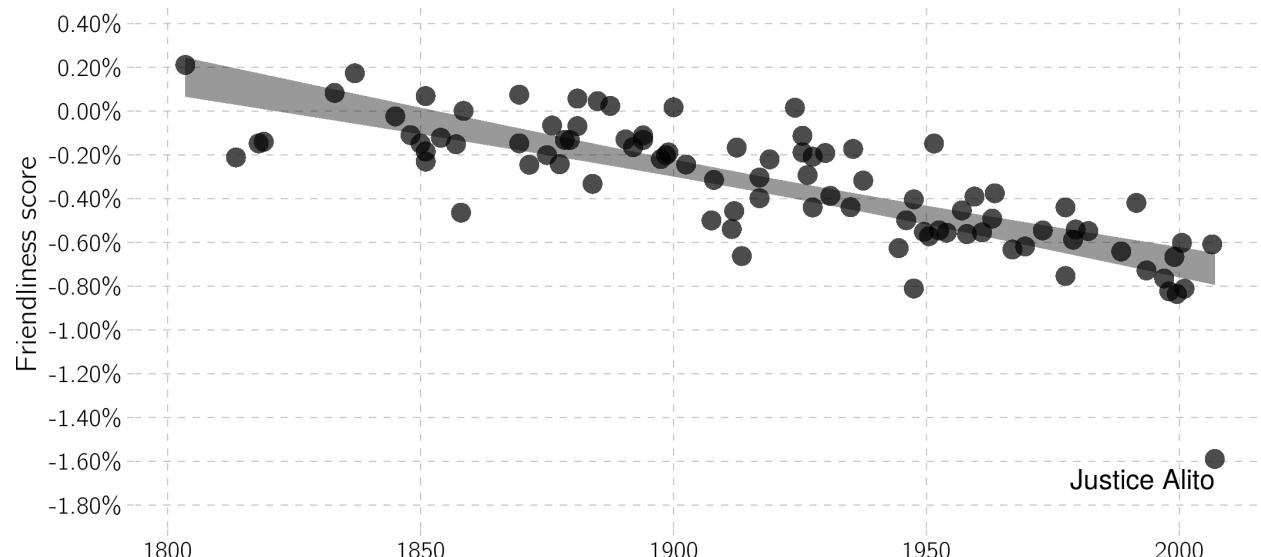
(Livermore 1)

Version 3



(Livermore 1)

Version 4



Standard errors estimated with a linear regression

Tables

Alexander

Alexander

Alexander Table 1

(Alexander 1)

Case number	Date	Docket text
1:10-cv-00002-ODE	1/4/2010	NOTICE OF REMOVAL with COMPLAINT, 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 http://www.gand.uscourts.gov 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 http://www.gand.uscourts.gov 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) *
