"LAW AS DATA"

Visualizations

Contents

Plots																						
Alexander																						
Figure	4.																					
Figure	7.																					
Feldman .																						
Figure	1.																					
Figure	2.																					
Frankenreite																						
Figure	2.																					
Figure	3.	 																				
Livemore .																						
Figure																						
Tables																						
Alexander																						
Table 1	l.																					
Table 6	j .	 																				

Alexander

Alexander



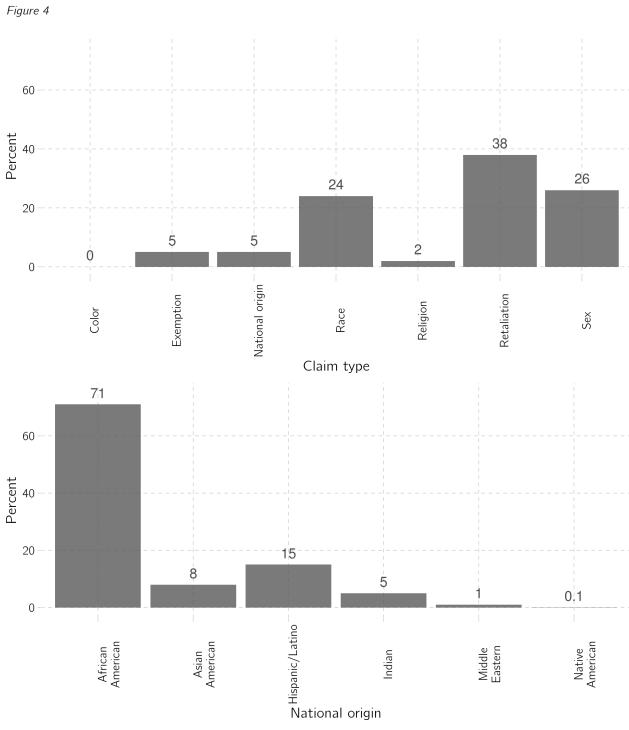
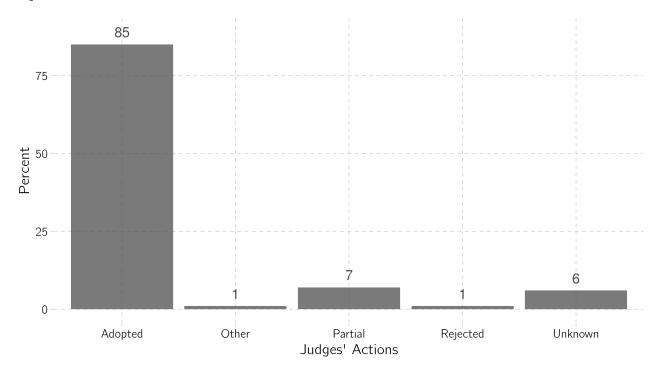


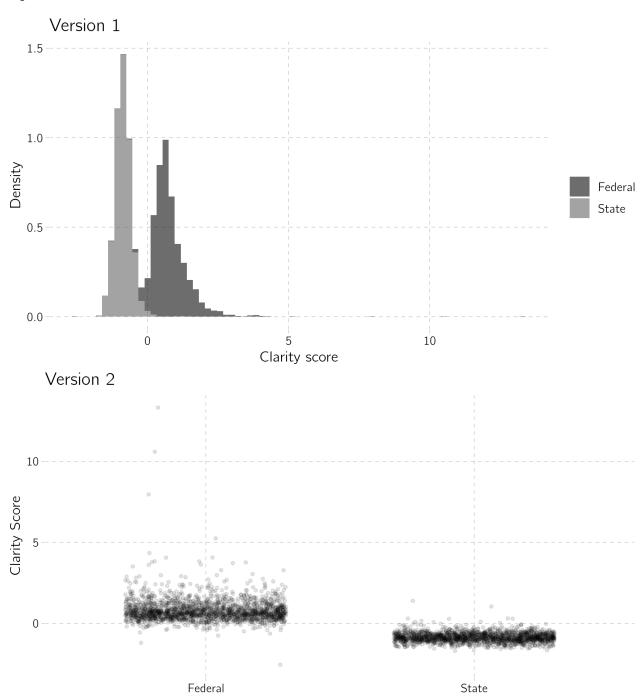
Figure 7



Feldman

Feldman

Figure 1



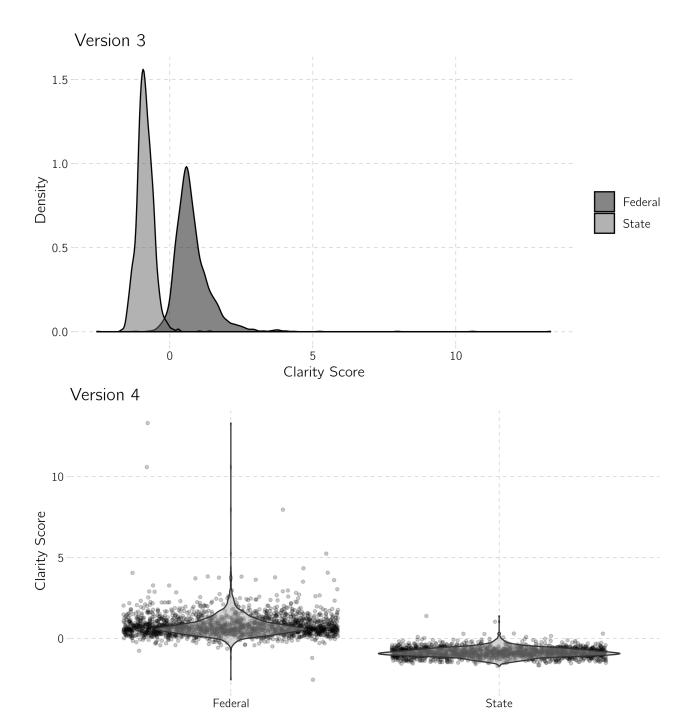
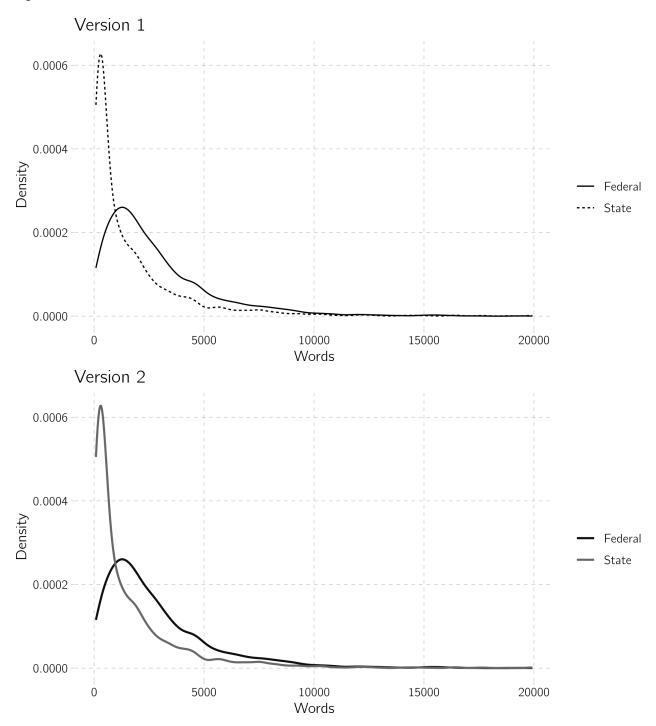
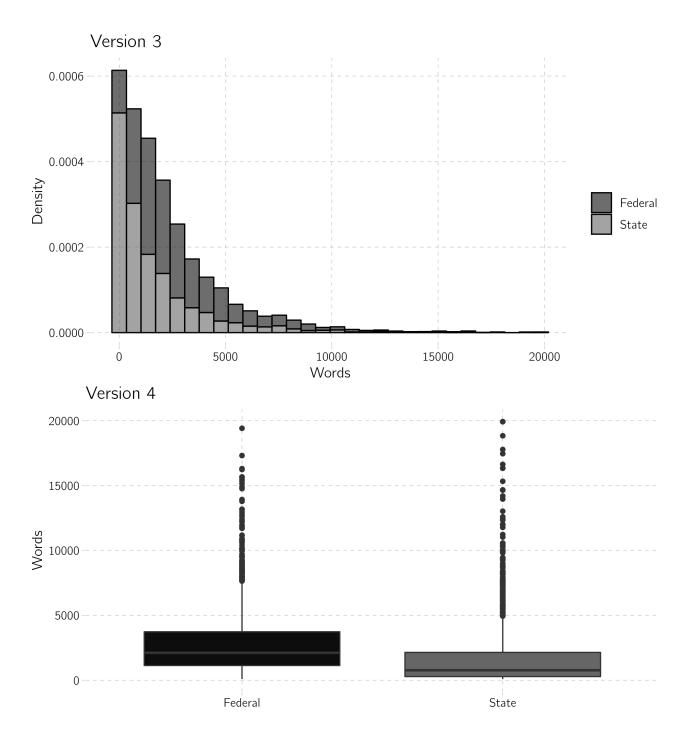
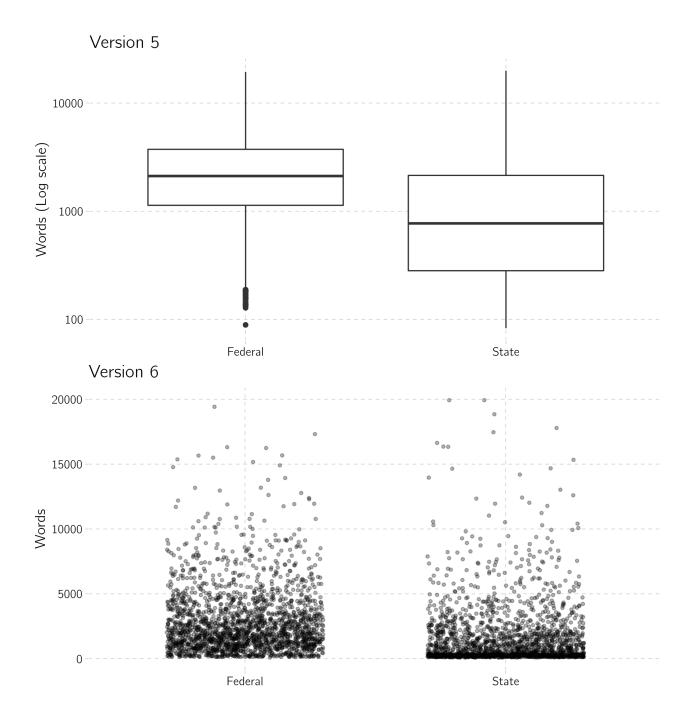
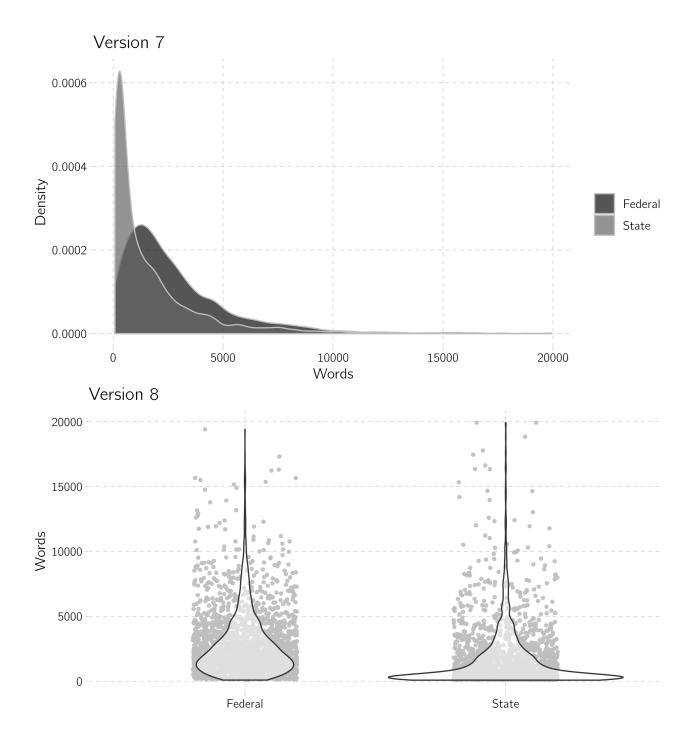


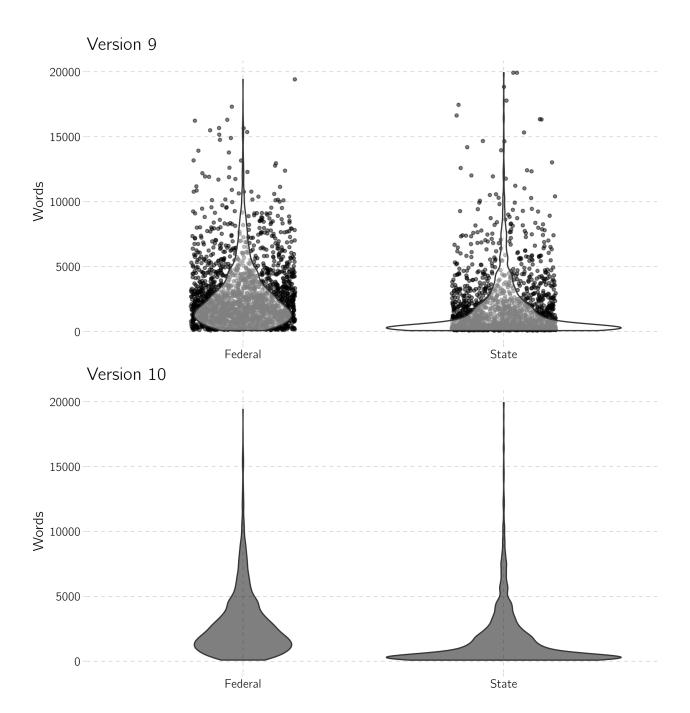
Figure 2









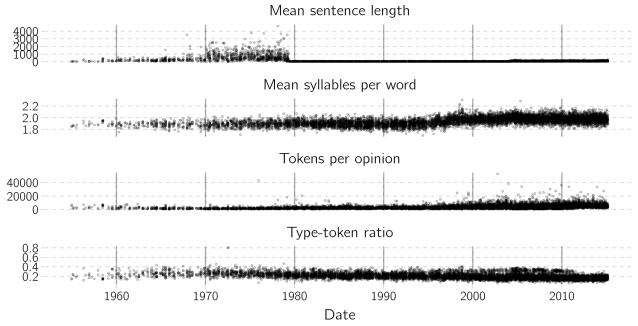


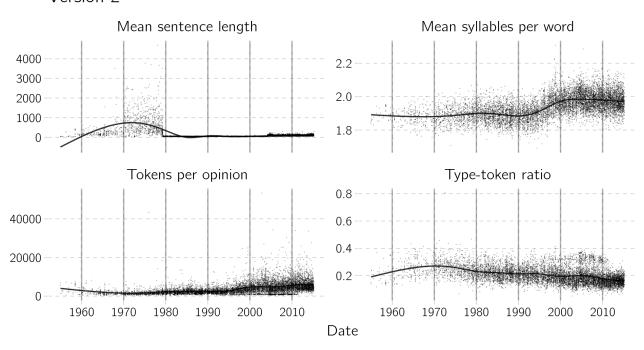
Frankenreiter

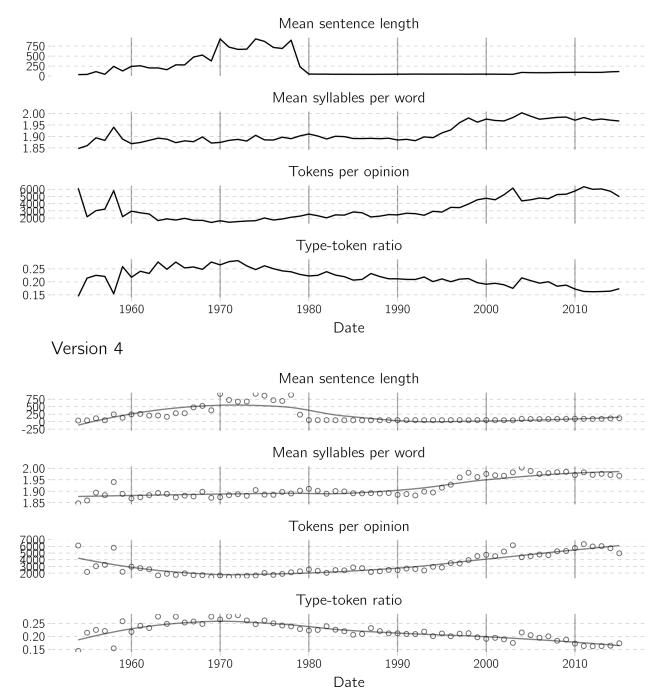
Frankenreiter

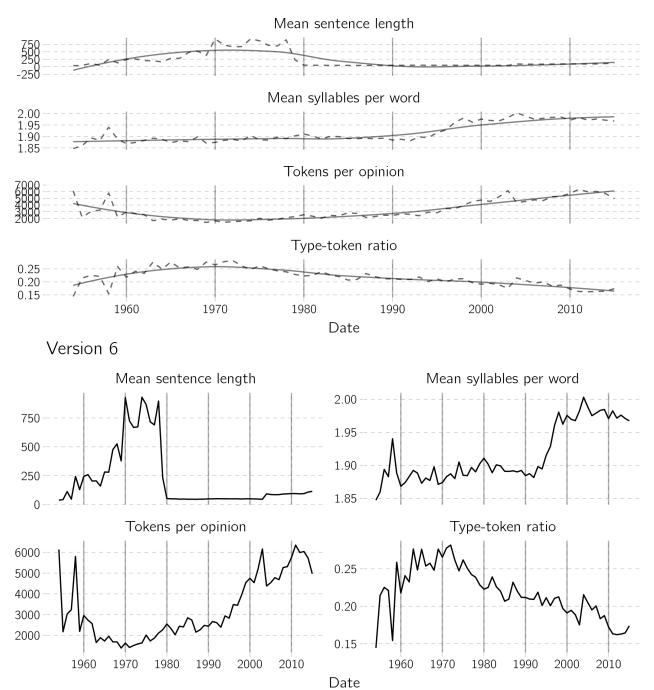
Figure 2

Version 1

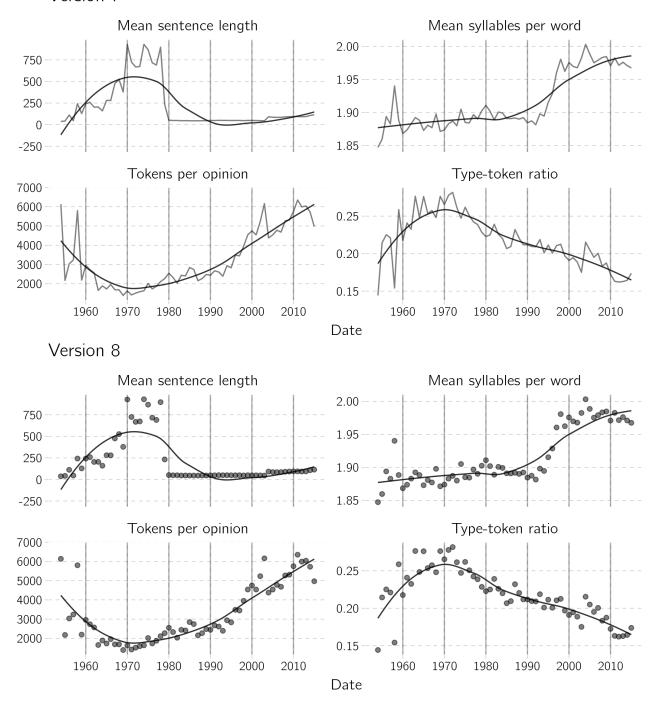








Version 7



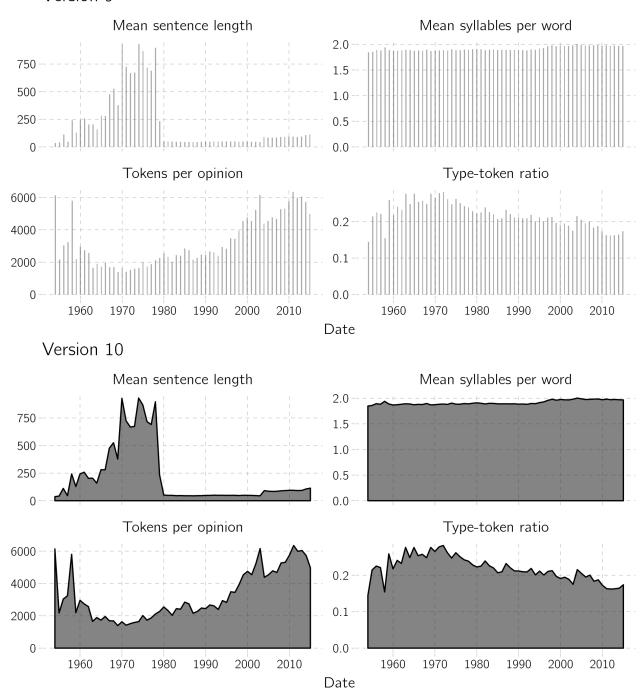


Figure 3

#	Α	tibbl	e: 1,9	919 x 3	
		x1	diff	similari	ty
	<	<int></int>	<dbl></dbl>	<db< td=""><td>1></td></db<>	1>
1	L	1	0	1	
2	2	64	0	1	
3	3	126	0	0.5	88

```
127
            0
5
    188
            0
                   0.593
6
    189
            0
                   0.615
7
    190
            0
8
    250
            0
                   0.480
9
    251
                   0.507
            0
    252
            0
                   0.492
10
# ... with 1,909 more rows
[[1]]
mapping: group = ~diff
geom_boxplot: outlier.colour = NULL, outlier.fill = NULL, outlier.shape = 3, outlier.size = 0.5, outlier.
stat_boxplot: na.rm = FALSE
position_dodge2
<ggproto object: Class ScalesList, gg>
   add: function
   clone: function
   find: function
   get_scales: function
   has_scale: function
   input: function
   n: function
   non_position_scales: function
   scales: list
   super: <ggproto object: Class ScalesList, gg>
Aesthetic mapping:
* `x` -> `diff`
* `y` -> `similarity`
List of 18
 $ text
                 :List of 11
 ..$ family
                : chr "CMU Bright"
                 : chr "plain"
 ..$ face
                 : chr "black"
 ..$ colour
 ..$ size
                  : num 11
                 : num 0.5
 ..$ hjust
 ..$ vjust
                 : num 0.5
 ..$ angle
                 : num 0
 ..$ lineheight : num 0.9
 ..$ margin
                : 'margin' num [1:4] Opt Opt Opt Opt
 .. ..- attr(*, "valid.unit")= int 8
  .. ..- attr(*, "unit")= chr "pt"
                 : logi FALSE
 ..$ debug
 ..$ inherit.blank: logi FALSE
 ..- attr(*, "class")= chr [1:2] "element_text" "element"
 $ axis.title.x
                :List of 11
 ..$ family
                  : NULL
                 : chr "plain"
 ..$ face
                 : chr "black"
 ..$ colour
 ..$ size
                  : num 12
                 : NULL
 ..$ hjust
 ..$ vjust
                 : num 1
 ..$ angle : NULL
  ..$ lineheight : NULL
```

```
..$ margin : 'margin' num [1:4] 2.75pt Opt Opt
 .. ..- attr(*, "valid.unit")= int 8
 .. ..- attr(*, "unit")= chr "pt"
               : NULL
 ..$ debug
 ..$ inherit.blank: logi FALSE
 ..- attr(*, "class")= chr [1:2] "element_text" "element"
$ axis.title.y :List of 11
..$ family
               : NULL
               : chr "plain"
..$ face
..$ colour
               : chr "black"
..$ size
               : num 12
..$ hjust
               : NULL
               : num 1
..$ vjust
               : num 90
..$ angle
..$ lineheight : NULL
               : 'margin' num [1:4] Opt 2.75pt Opt Opt
.. ..- attr(*, "valid.unit")= int 8
.. ..- attr(*, "unit")= chr "pt"
               : NULL
..$ debug
..$ inherit.blank: logi FALSE
..- attr(*, "class")= chr [1:2] "element_text" "element"
$ axis.text :List of 11
               : NULL
..$ family
               : chr "plain"
..$ face
               : chr "black"
..$ colour
               : num 9.6
..$ size
..$ hjust
               : NULL
               : NULL
..$ vjust
..$ angle
               : NULL
..$ lineheight : NULL
                : NULL
..$ margin
..$ debug
                : NULL
..$ inherit.blank: logi FALSE
..- attr(*, "class")= chr [1:2] "element_text" "element"
$ axis.ticks :List of 6
..$ colour
               : chr "grey"
..$ size
               : num 0.2
..$ linetype
               : NULL
..$ lineend
                : NULL
               : logi FALSE
..$ arrow
..$ inherit.blank: logi FALSE
 ..- attr(*, "class")= chr [1:2] "element_line" "element"
$ legend.key
               :List of 5
..$ fill
               : chr "transparent"
..$ colour
               : chr "transparent"
..$ size
                : NULL
                : NULL
..$ linetype
..$ inherit.blank: logi FALSE
 ..- attr(*, "class")= chr [1:2] "element_rect" "element"
$ legend.text :List of 11
..$ family
               : NULL
..$ face
               : chr "plain"
..$ colour : chr "black" 
..$ size : num 9.6
```

```
: NULL
 ..$ hjust
               : NULL
..$ vjust
..$ angle
               : NULL
..$ lineheight : NULL
..$ margin
               : NULL
..$ debug
               : NULL
..$ inherit.blank: logi FALSE
 ..- attr(*, "class")= chr [1:2] "element_text" "element"
$ legend.title
              :List of 11
..$ family
               : NULL
..$ face
               : chr "plain"
               : chr "black"
..$ colour
..$ size
               : num 12
..$ hjust
               : num 0
..$ vjust
               : NULL
                : NULL
..$ angle
..$ lineheight : NULL
             : NULL
..$ margin
..$ debug
               : NULL
..$ inherit.blank: logi FALSE
 ..- attr(*, "class")= chr [1:2] "element_text" "element"
$ legend.position : chr "right"
$ panel.background:List of 5
 ..$ fill
           : chr "transparent"
..$ colour
               : chr "white"
..$ size
               : NULL
 ..$ linetype
                : NULL
..$ inherit.blank: logi FALSE
 ..- attr(*, "class")= chr [1:2] "element_rect" "element"
$ panel.border :List of 5
 ..$ fill
                : logi NA
..$ colour
               : chr "white"
               : NULL
..$ size
               : NULL
..$ linetype
..$ inherit.blank: logi FALSE
..- attr(*, "class")= chr [1:2] "element_rect" "element"
$ panel.grid :List of 6
..$ colour
               : chr "grey"
                : num 0.2
 ..$ size
               : chr "dashed"
..$ linetype
..$ lineend
               : NULL
..$ arrow
                : logi FALSE
..$ inherit.blank: logi FALSE
..- attr(*, "class")= chr [1:2] "element_line" "element"
$ panel.grid.minor: list()
 ..- attr(*, "class")= chr [1:2] "element_blank" "element"
$ plot.background :List of 5
..$ fill
             : chr "white"
               : logi NA
..$ colour
..$ size
                : NULL
                : NULL
..$ linetype
..$ inherit.blank: logi FALSE
 ..- attr(*, "class")= chr [1:2] "element_rect" "element"
$ plot.title :List of 11
```

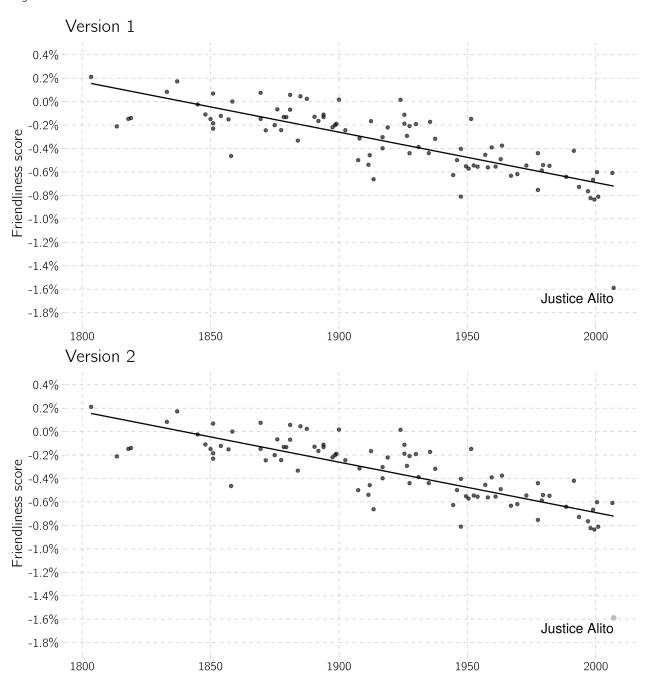
```
..$ family : NULL
 ..$ face
               : chr "plain"
 ..$ colour
               : chr "black"
                : num 14.4
 ..$ size
               : num 0
 ..$ hjust
 ..$ vjust
                : num 1
 ..$ angle
                : NULL
 ..$ lineheight : NULL
 ..$ margin : 'margin' num [1:4] Opt Opt 5.5pt Opt
 .. ..- attr(*, "valid.unit")= int 8
 .. ..- attr(*, "unit")= chr "pt"
                : NULL
 ..$ debug
 ..$ inherit.blank: logi FALSE
 ..- attr(*, "class")= chr [1:2] "element_text" "element"
$ strip.background:List of 5
           : chr "transparent"
 ..$ fill
 ..$ colour
               : chr "transparent"
 ..$ size
               : NULL
 ..$ linetype : NULL
 ..$ inherit.blank: logi FALSE
 ..- attr(*, "class")= chr [1:2] "element_rect" "element"
$ strip.text.x :List of 11
 ..$ family : NULL
               : chr "plain"
 ..$ face
               : chr "black"
 ..$ colour
                : num 12
 ..$ size
 ..$ hjust
                : NULL
               : NULL
 ..$ vjust
 ..$ angle
               : NULL
 ..$ lineheight : NULL
             : NULL
 ..$ margin
 ..$ debug
                : NULL
 ..$ inherit.blank: logi FALSE
 ..- attr(*, "class")= chr [1:2] "element_text" "element"
$ strip.text.y :List of 11
 ..$ family : NULL
..$ face : chr "plain"
 ..$ colour : chr "black"
 ..$ size
                : num 12
               : NULL
 ..$ hjust
 ..$ vjust
                : NULL
                : num -90
 ..$ angle
 ..$ lineheight : NULL
               : NULL
 ..$ margin
              : NULL
 ..$ debug
 ..$ inherit.blank: logi FALSE
 ..- attr(*, "class")= chr [1:2] "element_text" "element"
- attr(*, "class")= chr [1:2] "theme" "gg"
- attr(*, "complete")= logi FALSE
- attr(*, "validate")= logi FALSE
<ggproto object: Class CoordCartesian, Coord, gg>
   aspect: function
   clip: on
```

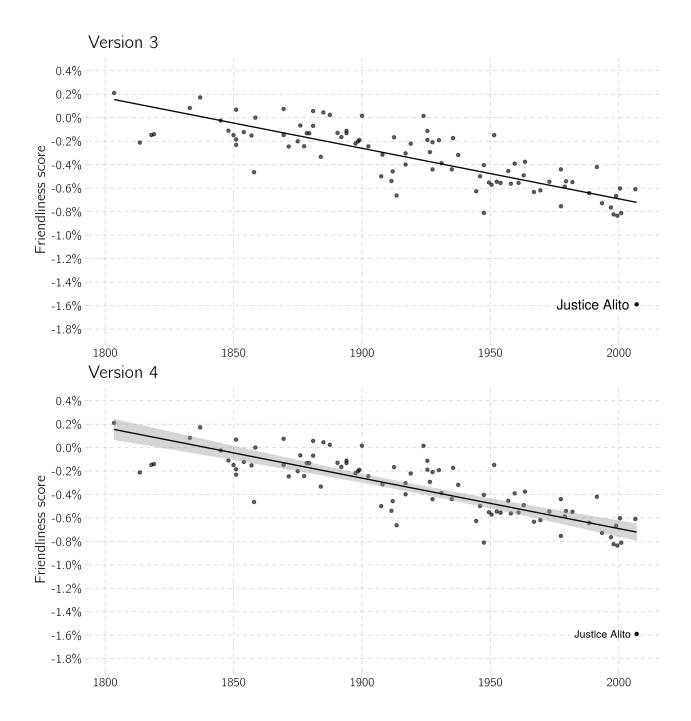
```
default: TRUE
   distance: function
   expand: TRUE
   is_free: function
   is_linear: function
   labels: function
   limits: list
   modify_scales: function
   range: function
   render_axis_h: function
   render_axis_v: function
   render_bg: function
   render_fg: function
   setup_data: function
   setup_layout: function
    setup_panel_params: function
   setup_params: function
   transform: function
    super: <ggproto object: Class CoordCartesian, Coord, gg>
<ggproto object: Class FacetNull, Facet, gg>
    compute_layout: function
   draw_back: function
   draw front: function
   draw_labels: function
   draw_panels: function
   finish_data: function
   init_scales: function
   map_data: function
   params: list
   setup_data: function
   setup_params: function
   shrink: TRUE
   train_scales: function
   vars: function
    super: <ggproto object: Class FacetNull, Facet, gg>
<environment: 0x55cc159d8d50>
[1] "Difference in years"
[1] "Similarity"
$title
[1] "Version 9"
$subtitle
[1] "(Grouped every 10 years)"
$group
[1] "diff"
```

Livemore

Livemore

Figure 1





Tables

Alexander

Alexander

Table 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
1:10-cv-00002-ODE	1/5/2010	of Proposed Order)(Kotun, Melissa) (Entered: 01/05/2010) 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)
1:10-cv-00002-ODE	4/2/2010	(Entered: 04/02/2010) CERTIFICATE OF SERVICE filed by Children's Healthcare of Atlanta, Inc. Defendant's First Request for Production of
1:10-cv-00002-ODE	4/19/2010	Documents (Kotun, Melissa) (Entered: 04/02/2010) 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)
1:10-cv-00002-ODE	6/29/2010	(Entered: 06/24/2010) 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)

Table 6

Case number	Docket text	Paired order	Filled by	Adoption	Case ended
		text			

1:10-cv-00007-JEC FINAL
REPORT AND

RECOMMEN-DATION recommending GRANTING 22

GRANTING 22 MOTION for Summary Judgment as to all of Plaintiff's claims. Signed by Magistrate Judge Gerrilyn

(Attachments: # 1 Order for Service)(fap)

G. Brill on

06/14/11.

(Entered: 06/15/2011) *

ORDER defendant

regarding Magistrate Judge's Final Report and Rec-

ommendation.
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) * * * *

adopt

Yes

1:10-cv-00383-**REPORT AND ORDER** that defendant partial No ODE RECOMMEN-City of Kennesaw's **DATION** that Defendant's 42 Objections are MOTION for Summary **SUSTAINED** Judgment be and the 55 **GRANTED IN** Report and Rec-PART AND ommendation is **DENIED IN ADOPTED IN** PART. **PART AND REJECTED IN** Specifically, the PART. The undersigned **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) *