"LAW AS DATA"

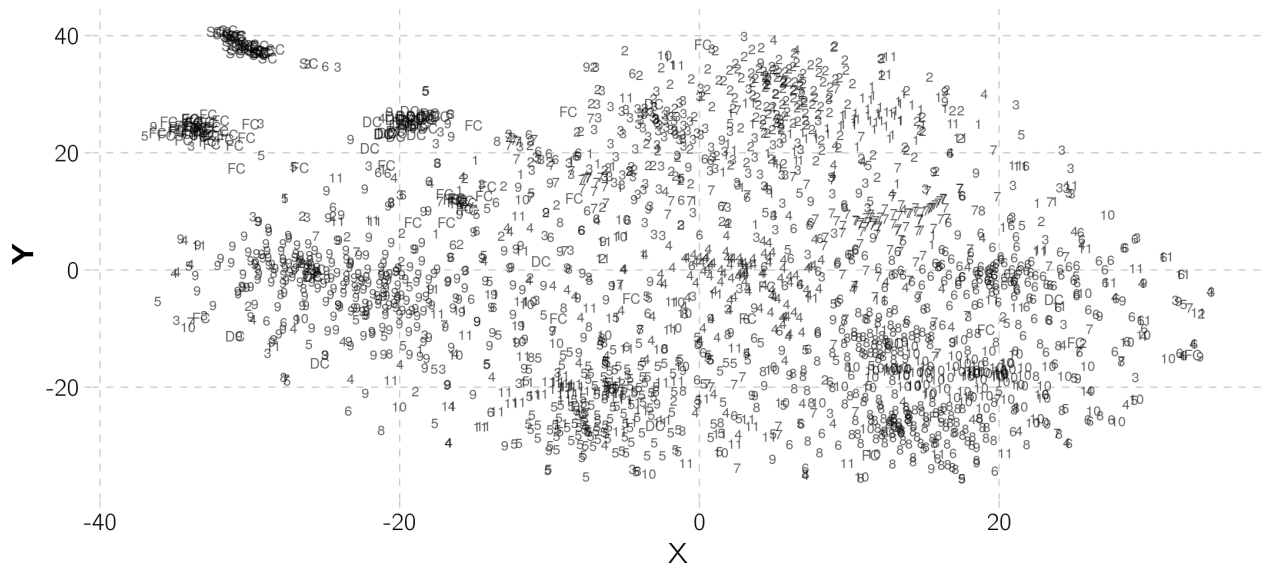**Chen Figures**

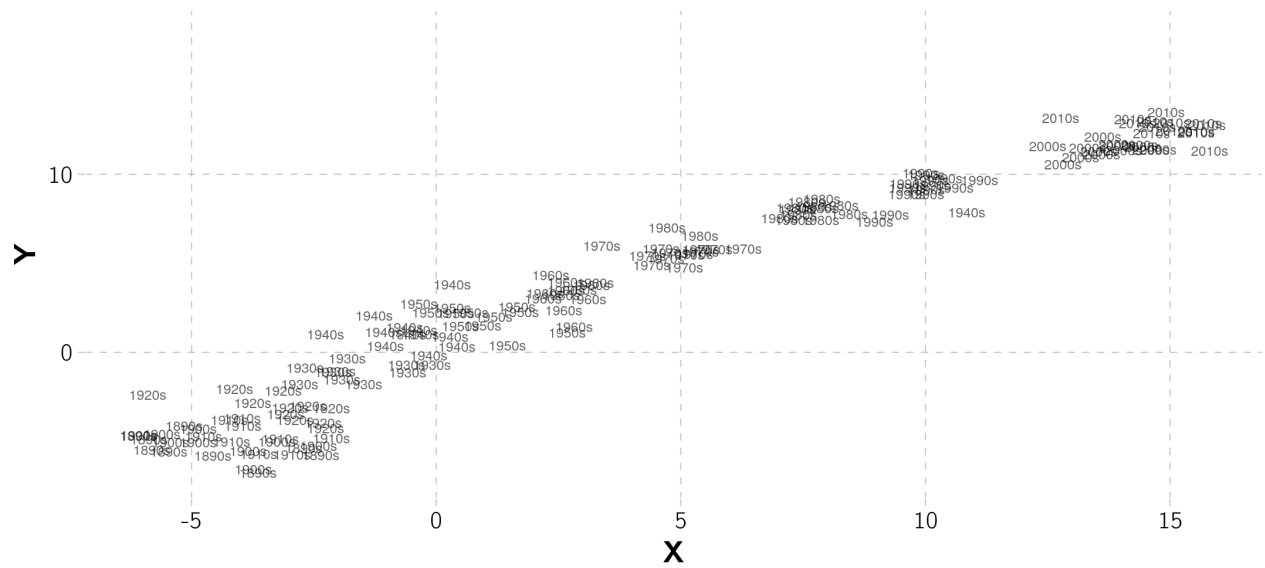*This markdown is for Copus figures.*

Chen 1 (version 1)

Figure 1: Centered by Topic-Year, Averaged by Judge, Labeled by Court

Circuit, CC Judge Vector, Demeaned by Year and Big Topic

Chen 2 (version 1)

Figure 2.

Centered by Court Topic, Averaged by Court-Year, Labeled by Decade
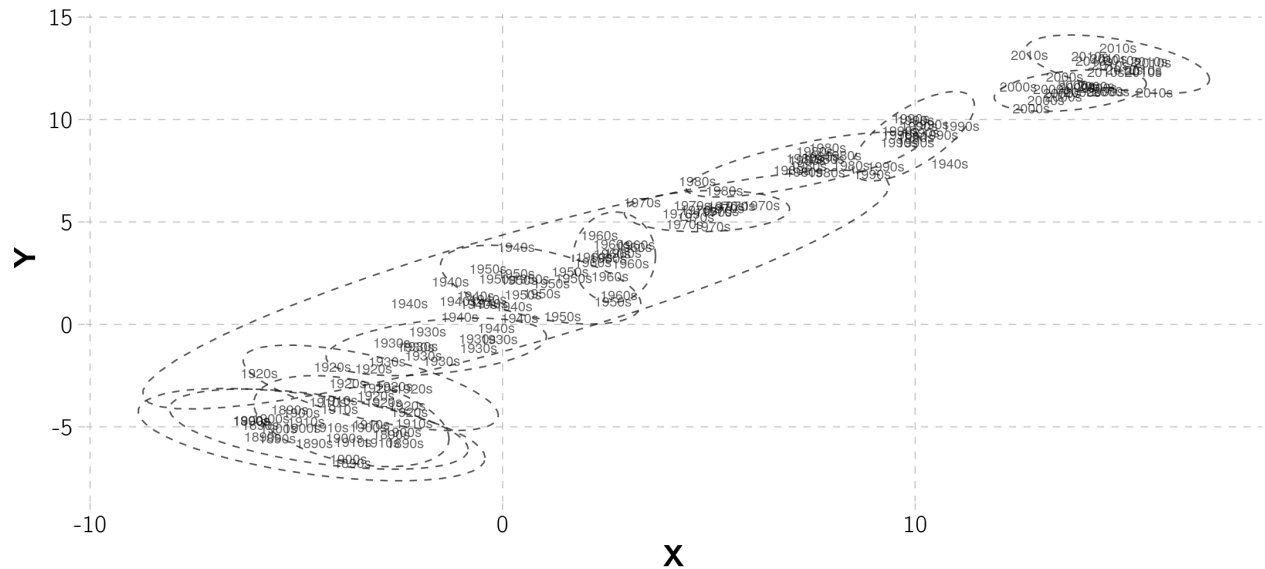

Court Decade, SC & CC Court Decade Vector, Demeaned by Circuit and Big Topic

Chen 2 (version 2)

Figure 2.

Centered by Court Topic, Averaged by Court-Year, Labeled by Decade

Court Decade, SC & CC Court Decade Vector, Demeaned by Circuit and Big Topic

Chen 3 (version 1)
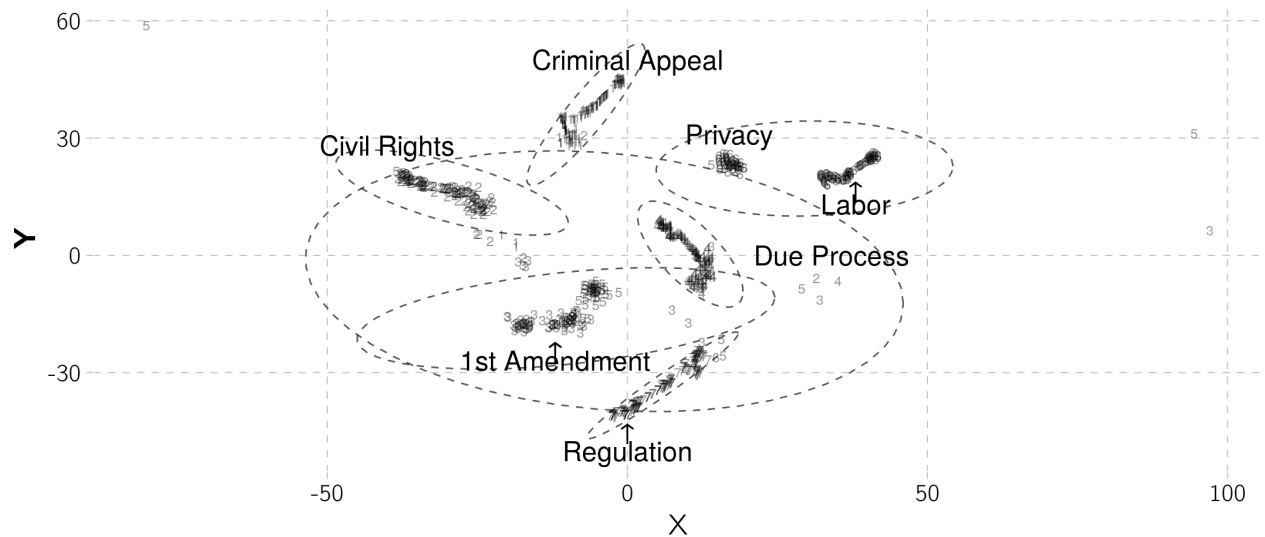
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[1] "1" "2" "3" "4" "5" "6" "7"

[1] "1 - Criminal Appeal" "2 - Civil Rights"    "3 - First Amendment"
[4] "4 - Due Process"     "5 - Privacy"         "6 - Labor"
[7] "7 - Regulation"
```

Figure 3.

: Centered by Judge-Year, Averaged by Topic-Year, Labeled by Topic

Big Topics and Year, SC and CC Topic Year Vector, Demeaned by Judge & Year
*Ellipses represent a confidence measurement for the clusters (Version 1)

Chen 3 (version 2)

```
[1] "1" "2" "3" "4" "5" "6" "7"

[1] "1 - Criminal Appeal" "2 - Civil Rights"    "3 - First Amendment"
[4] "4 - Due Process"     "5 - Privacy"         "6 - Labor"
[7] "7 - Regulation"
```

Figure 3.

: Centered by Judge-Year, Averaged by Topic-Year, Labeled by Topic

Big Topics and Year, SC and CC Topic Year Vector, Demeaned by Judge & Year
*Ellipses represent a confidence measurement for the clusters (Version 1)
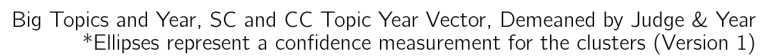
Chen 3 (version 3)

```
[1] "1" "2" "3" "4" "5" "6" "7"

[1] "1 - Criminal Appeal" "2 - Civil Rights"    "3 - First Amendment"
[4] "4 - Due Process"     "5 - Privacy"         "6 - Labor"
[7] "7 - Regulation"
```

Figure 3.

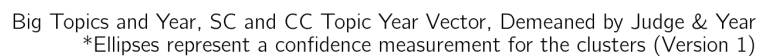: Centered by Judge-Year, Averaged by Topic-Year, Labeled by Topic

Big Topics and Year, SC and CC Topic Year Vector, Demeaned by Judge & Year
*Ellipses represent a confidence measurement for the clusters (Version 1)

Chen 4 (version 1)

Figure 4.
Centered by Court-Topic-Year, Averaged by Judge, Labeled by Political Party

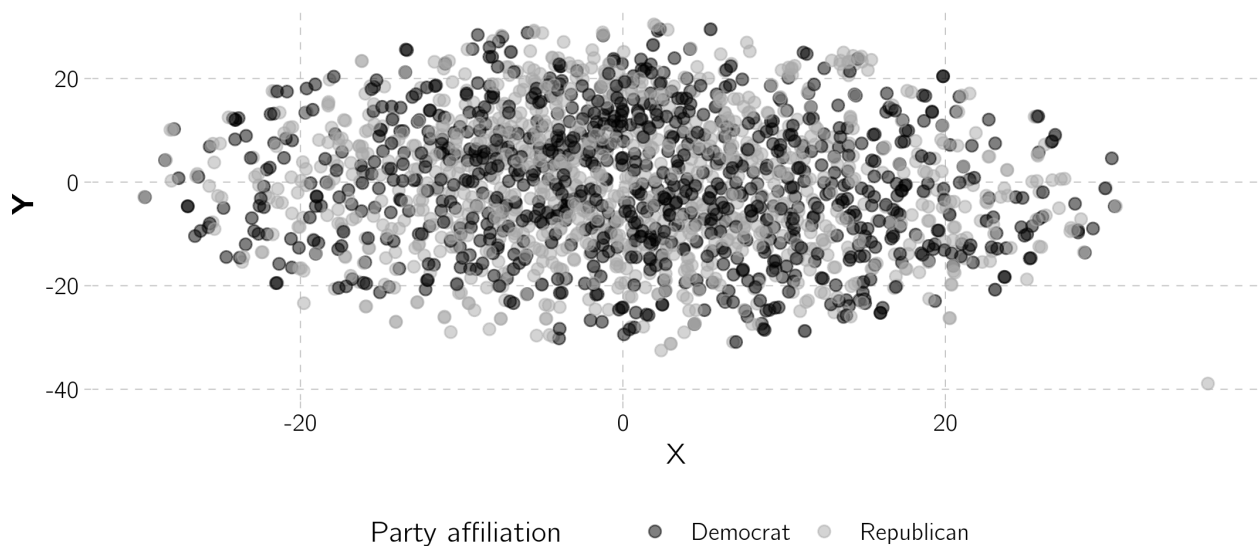Party affiliation   D = Democrat   R = Republican
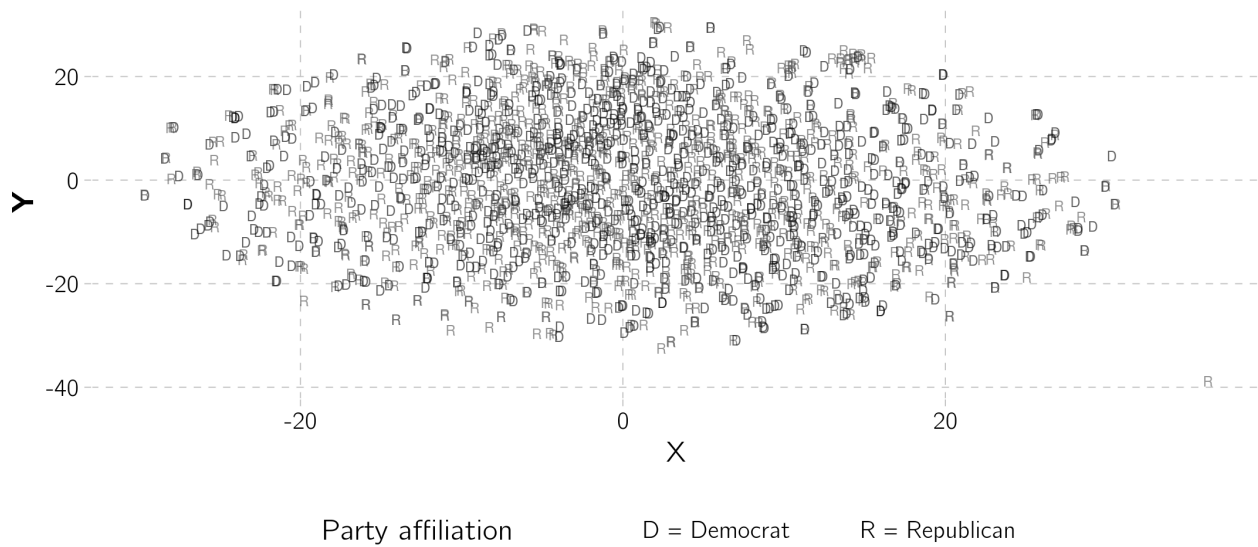
Party affiliation, SC & CC Judge Vector, Demeaned by Circuit, Big Topics, and year

Chen 4 (version 2)

Figure 4.
Centered by Court-Topic-Year, Averaged by Judge, Labeled by Political Party

Party affiliation   ● Democrat   ● Republican

Party affiliation, SC & CC Judge Vector, Demeaned by Circuit, Big Topics, and year