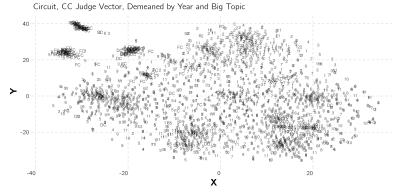
"LAW AS DATA"

Chen and Ash Figures
September 20th 2018

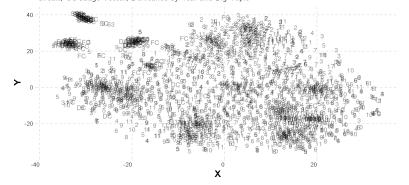
Chen and Ash 1 (version 1)

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



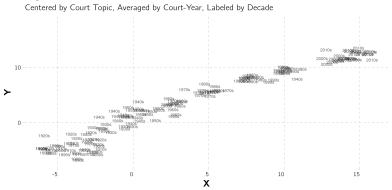
Chen and Ash 1 (version 2)

Figure 1: Centered by Topic-Year, Averaged by Judge, Labeled by Court Circuit, CC Judge Vector, Demeaned by Year and Big Topic



Chen and Ash 2 (version 1)

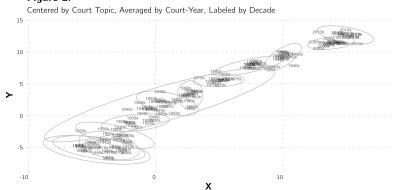
Figure 2.



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

Chen and Ash 2 (version 2)

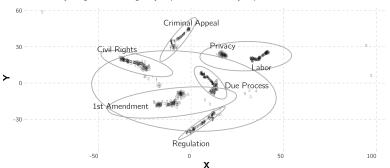
Figure 2.



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

Chen and Ash 3 (version 1)

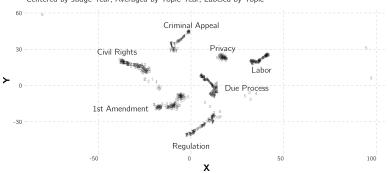
Figure 3.Centered by Judge-Year, Averaged by Topic-Year, Labeled by Topic



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 and Ash 3 (version 2)

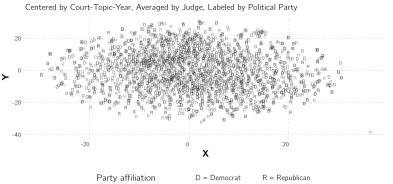
Figure 3.Centered by Judge-Year, Averaged by Topic-Year, Labeled by Topic



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 and Ash 4 (version 1)

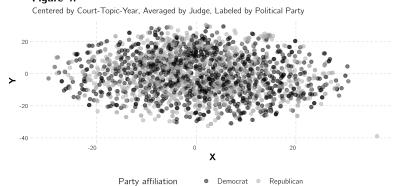
Figure 4.



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

Chen and Ash 4 (version 2)

Figure 4.



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