

# Chen and Ash

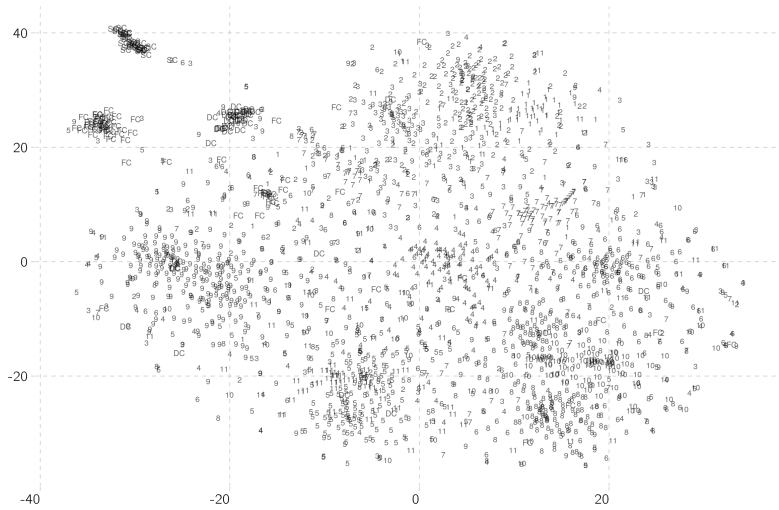
Figures

Oct 26th 2018

*This markdown is for Chen and Ash figures.*

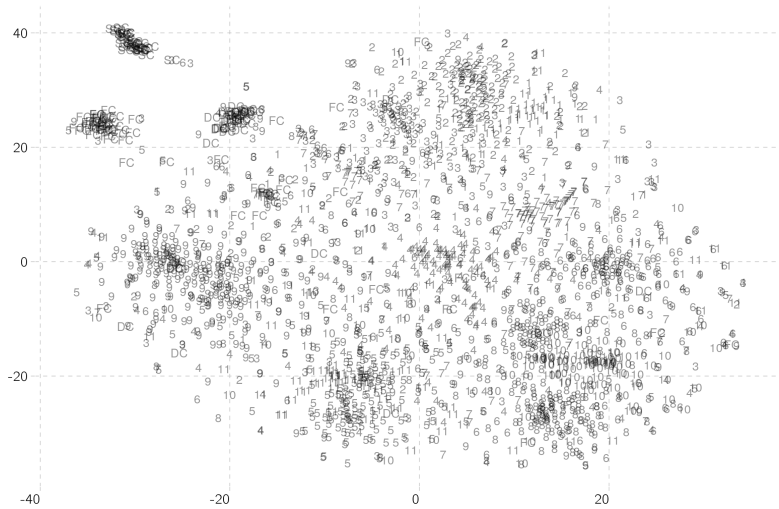
*Chen and Ash 1 (version 1)*

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



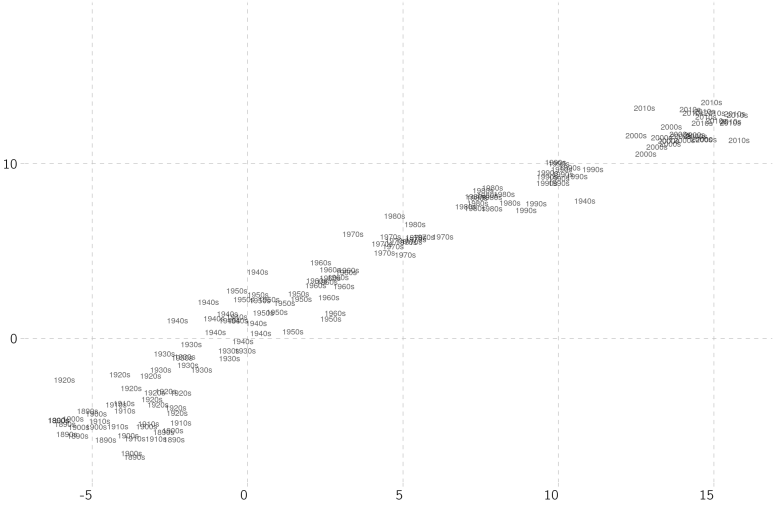
*Chen and Ash 1 (version 2)*

**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)

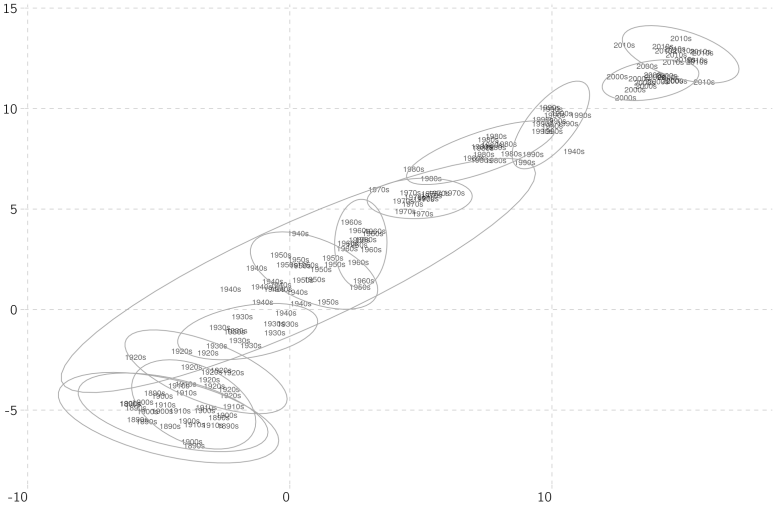
**Figure 2.**  
Centered by Court Topic, Averaged by Court-Year, Labeled by Decade



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

Chen and Ash 2 (version 2)

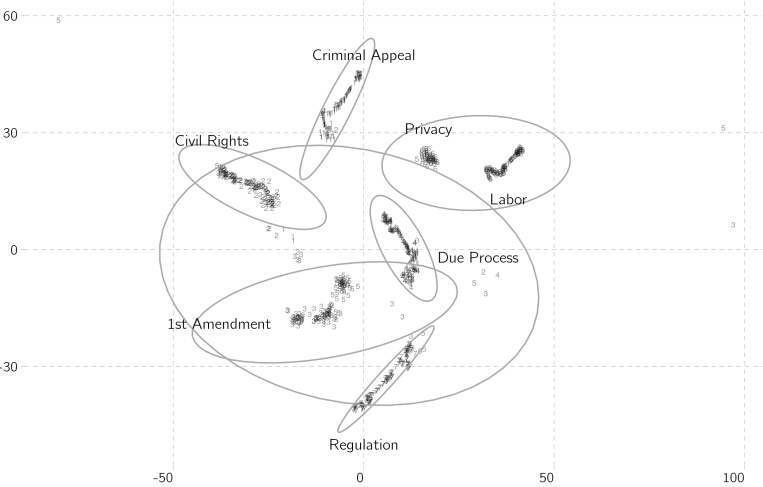
**Figure 2.**  
Centered by Court Topic, Averaged by Court-Year, Labeled by Decade



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

Chen and Ash 3 (version 1)

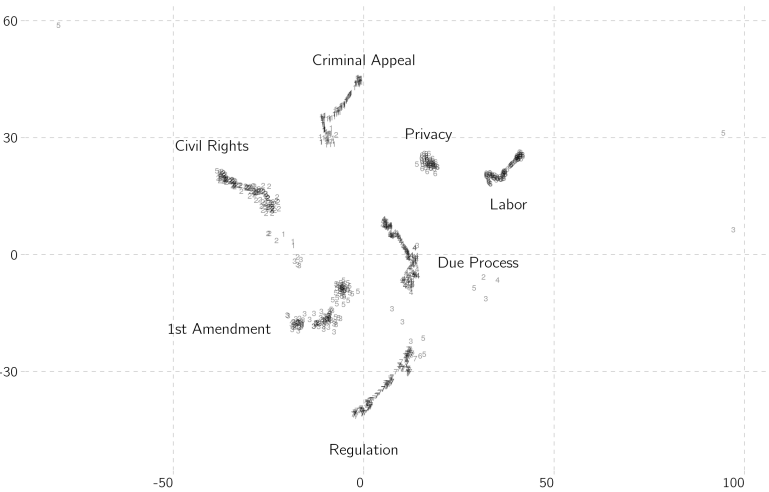
**Figure 3.**  
Centered by Judge-Year, Averaged by Topic-Year, Labeled by Topic



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

Chen and Ash 3 (version 2)

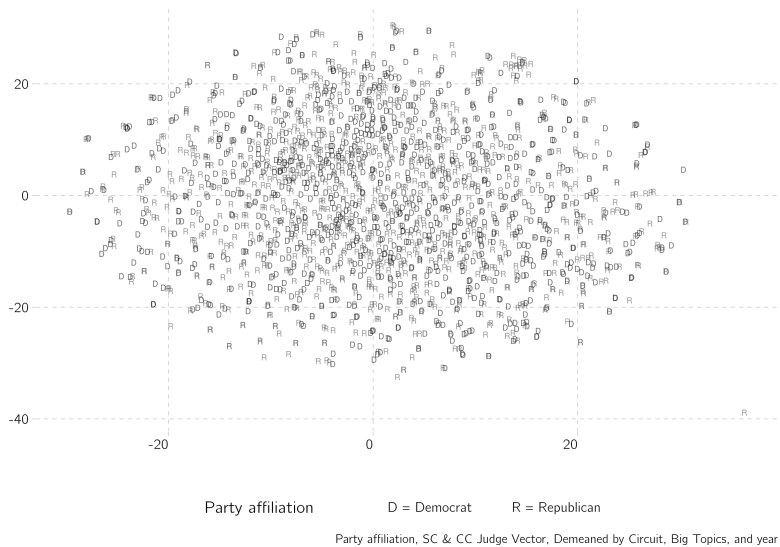
**Figure 3.**  
Centered by Judge-Year, Averaged by Topic-Year, Labeled by Topic



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

Chen and Ash 4 (version 1)

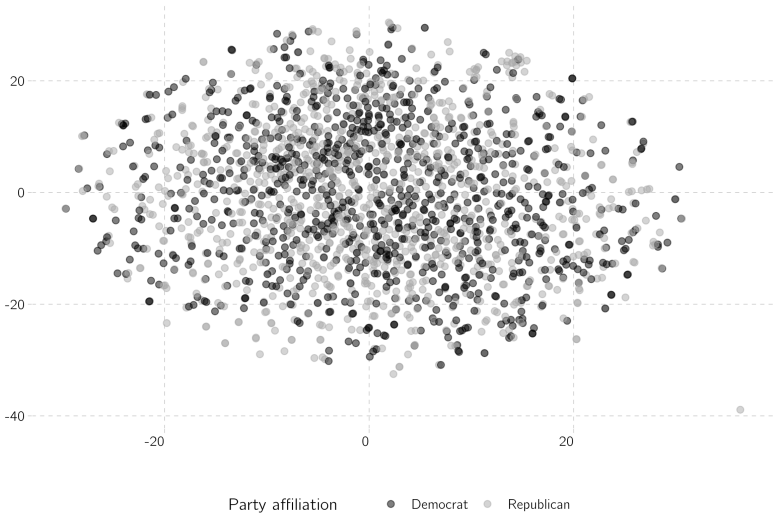
**Figure 4.**  
Centered by Court-Topic-Year, Averaged by Judge, Labeled by Political Party



*Chen and Ash 4 (version 2)*

**Figure 4.**

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



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