



AGREEMENT GROUPS IN THE UNITED STATES SENATE

Adrien Friggeri

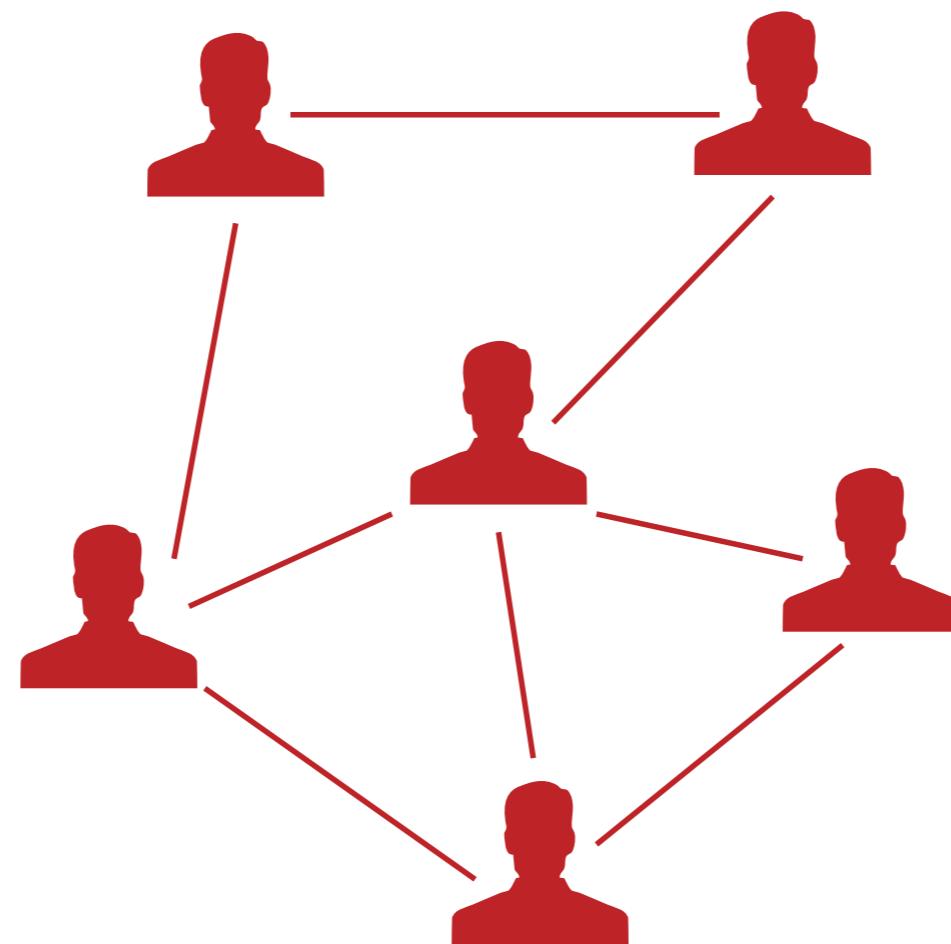
 @qelf

INRIA DNET / ÉCOLE NORMALE SUPÉRIEURE DE LYON

Data Scientist
Social Network Analyst









The Question

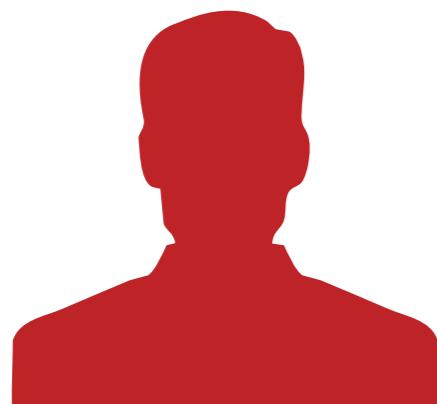
Bipartisanship in the U.S. Congress ?

The Model

112 networks
evolution between sessions

govtrack.us

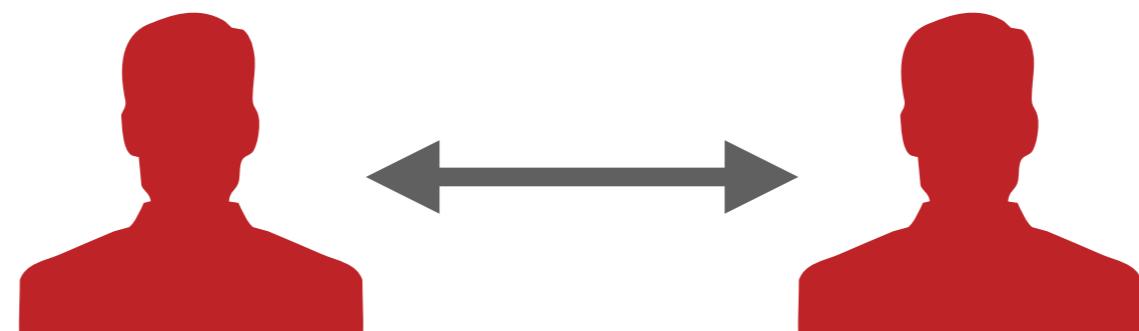
Easily track the activities of
the United States Congress.



senators



stacked terms:
continuity

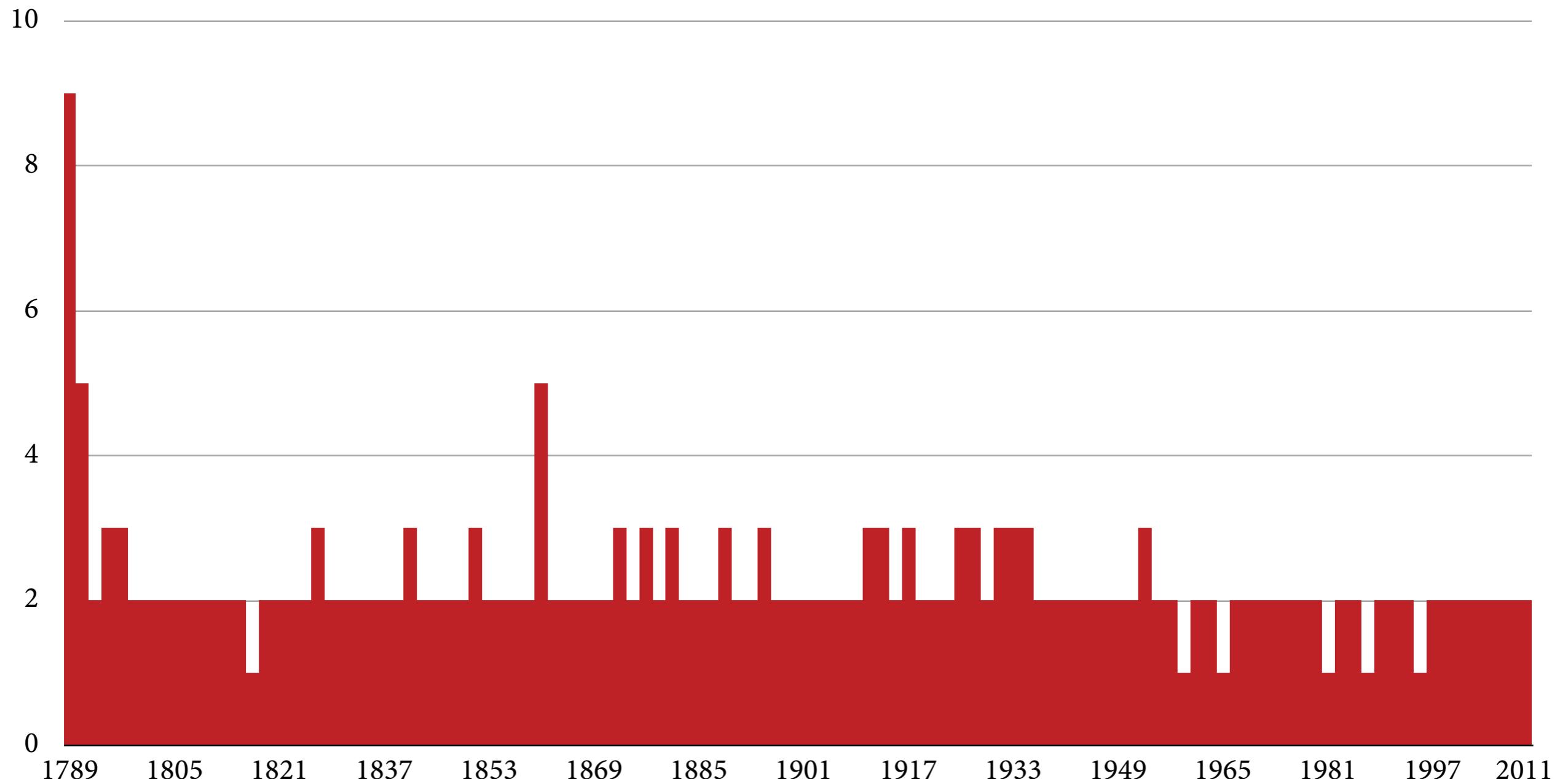


similarity in voting patterns

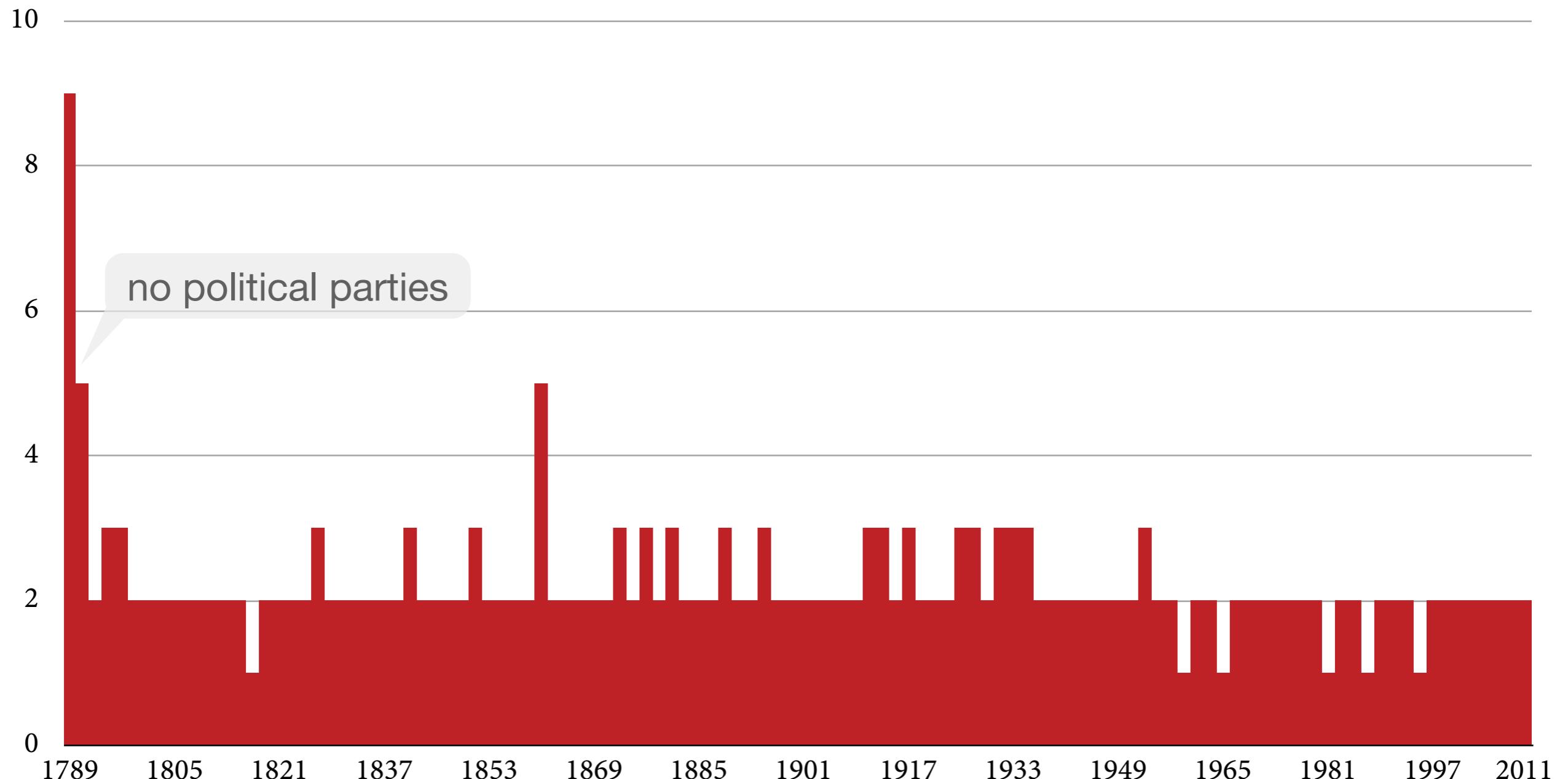
The Analysis

group detection

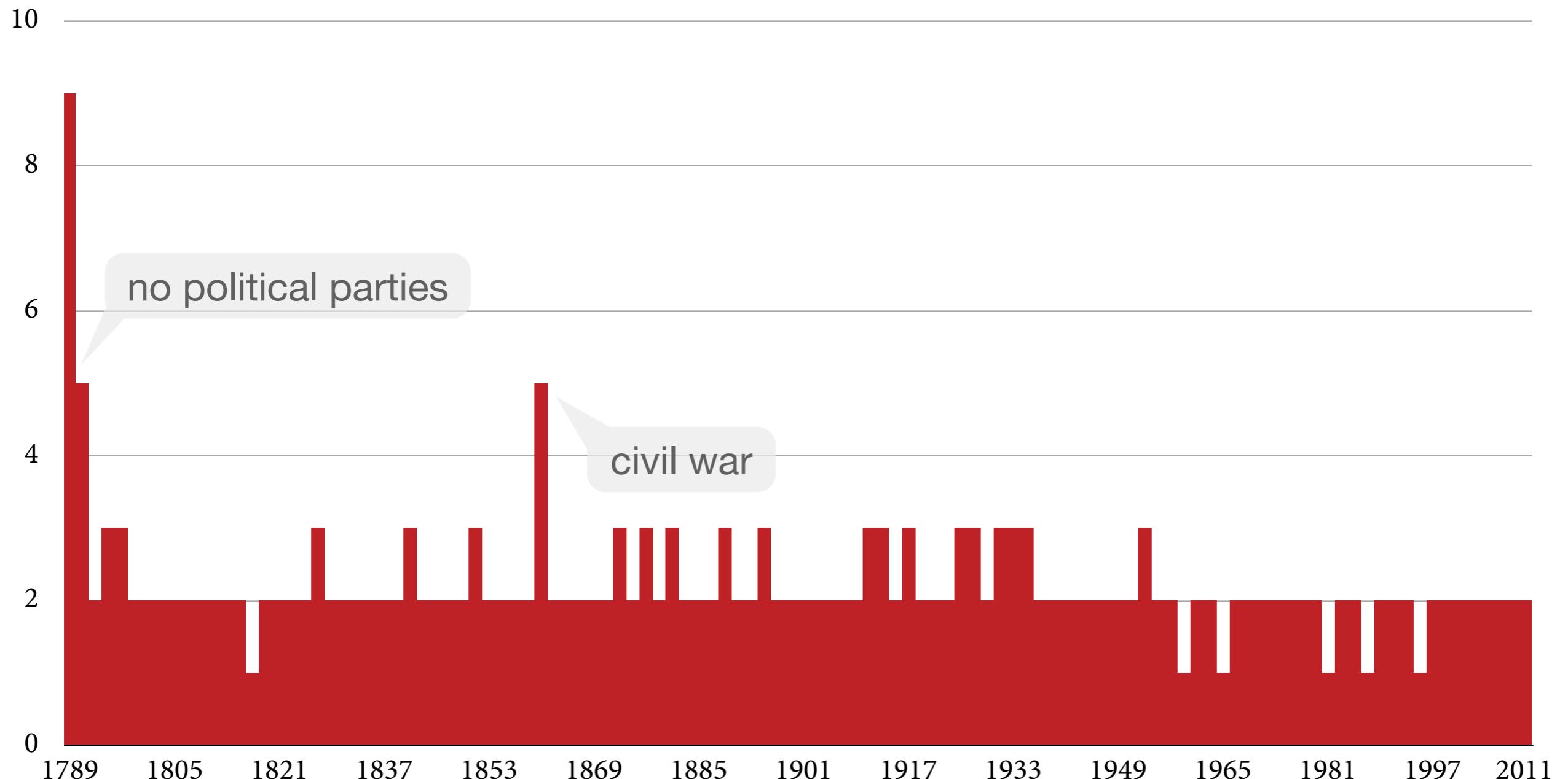
➡ agreement groups



number of groups



number of groups



number of groups

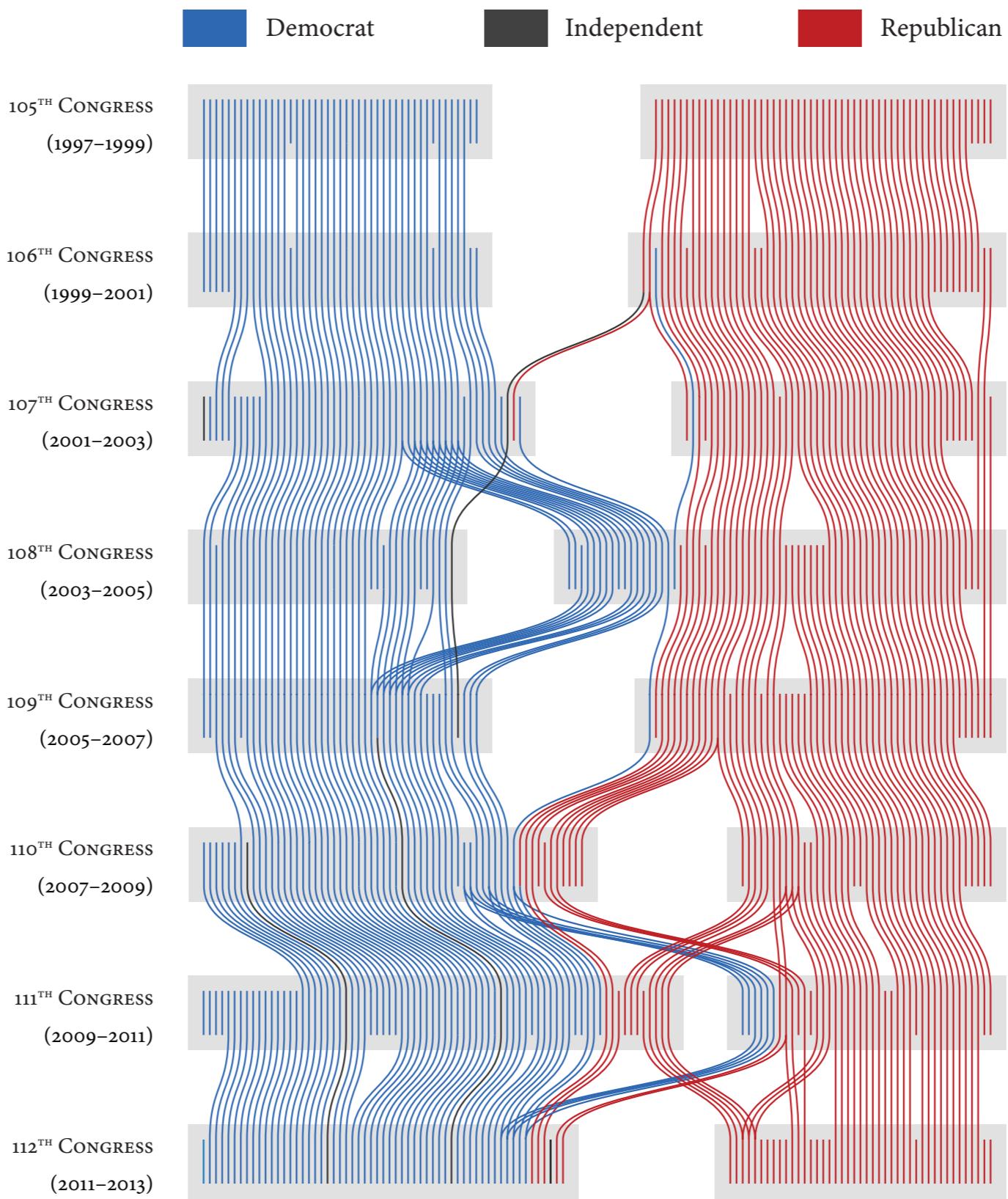
The *majority* of
groups contain at least

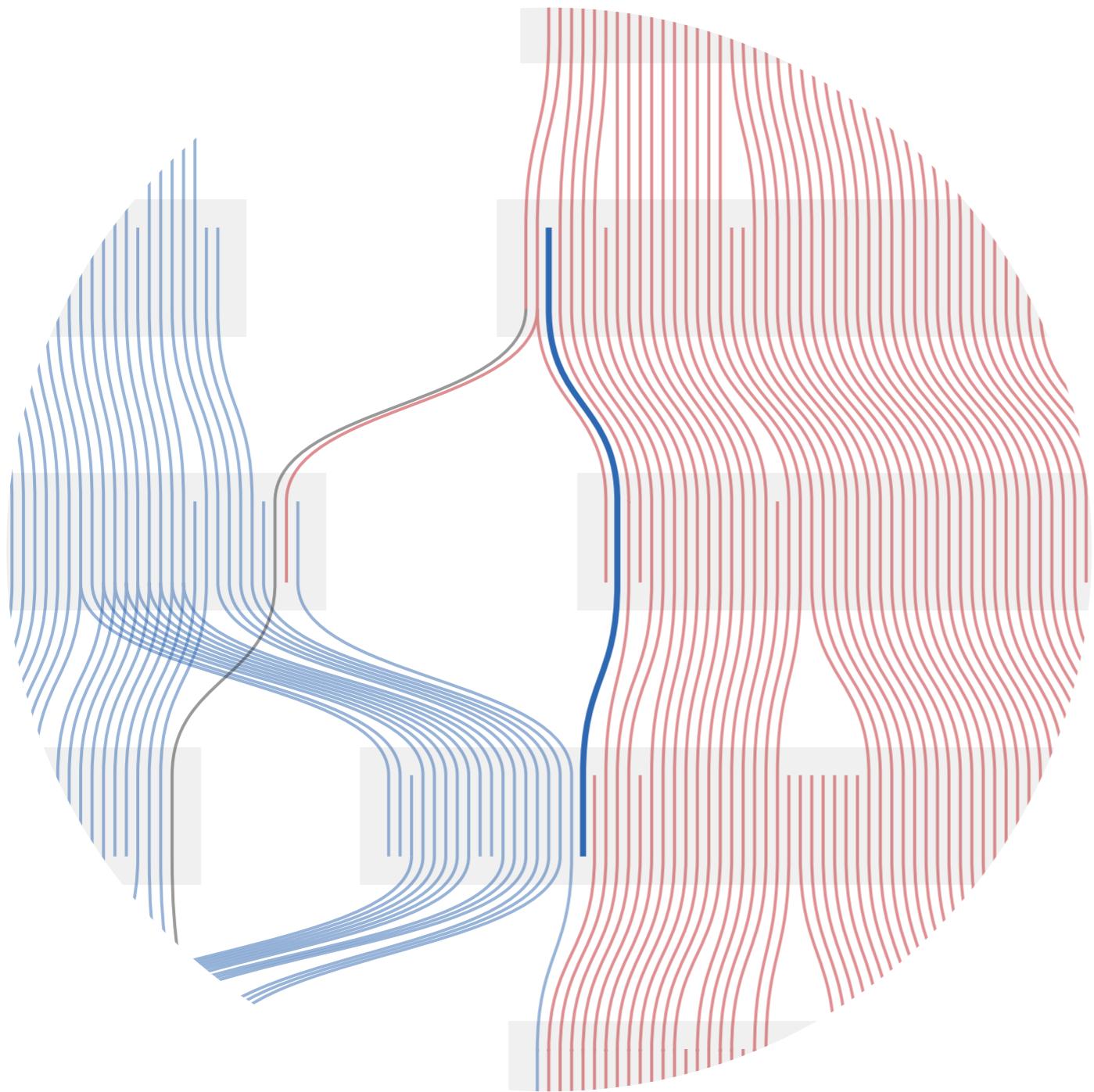
75%

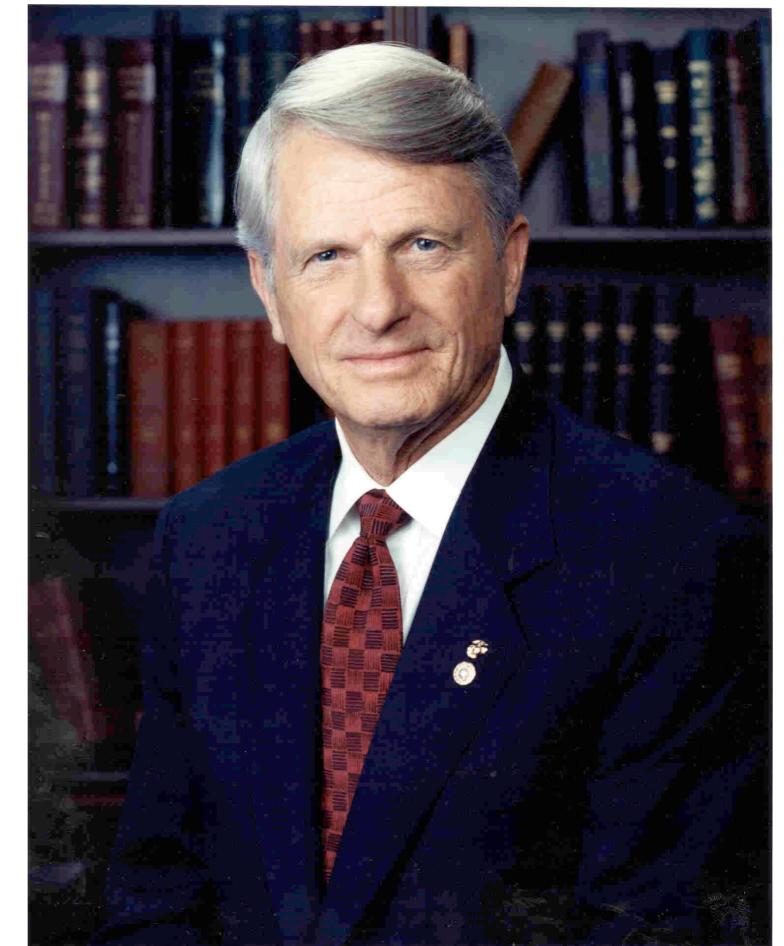
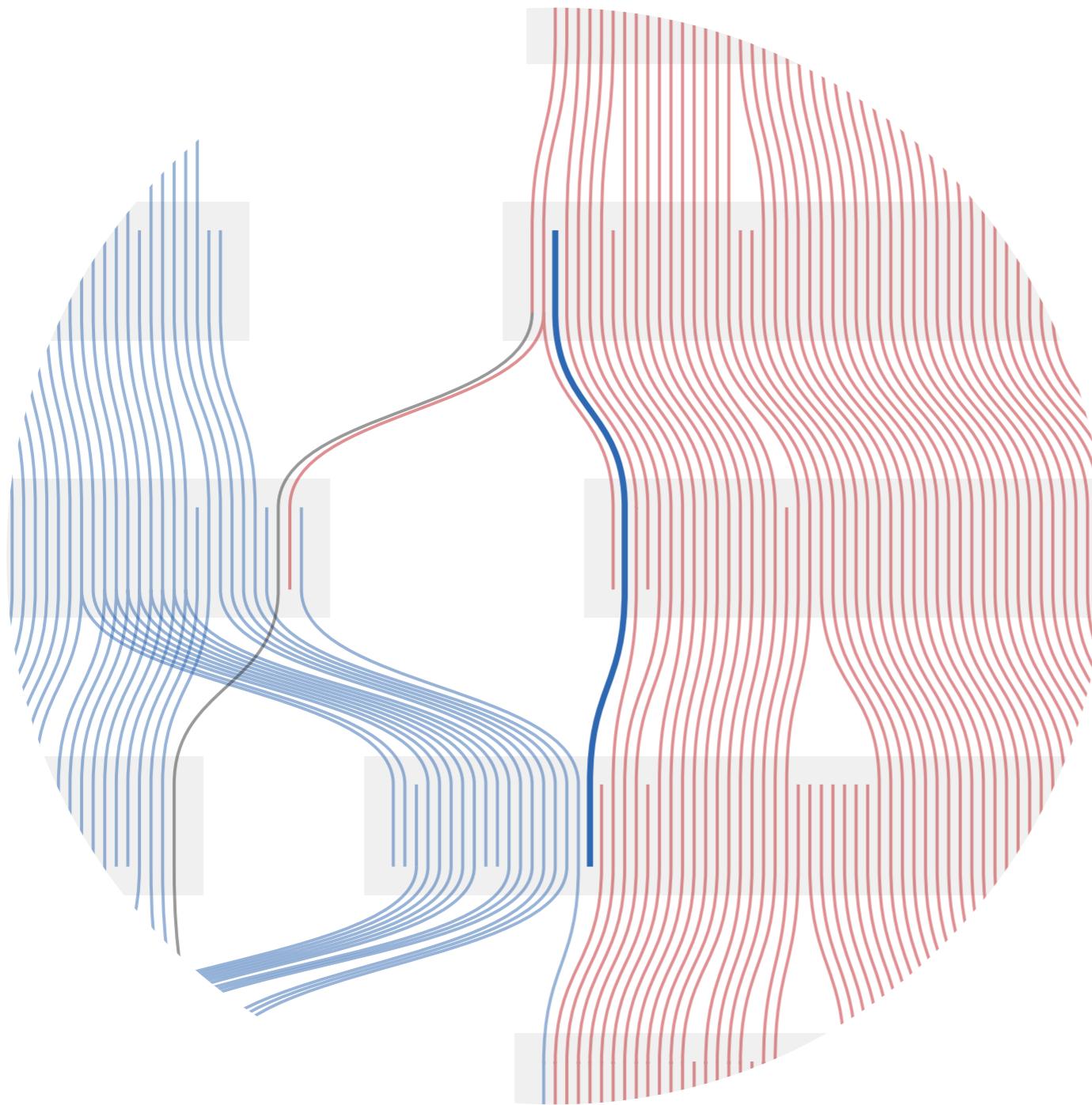
of Senators from
a *same* party

group ~ party

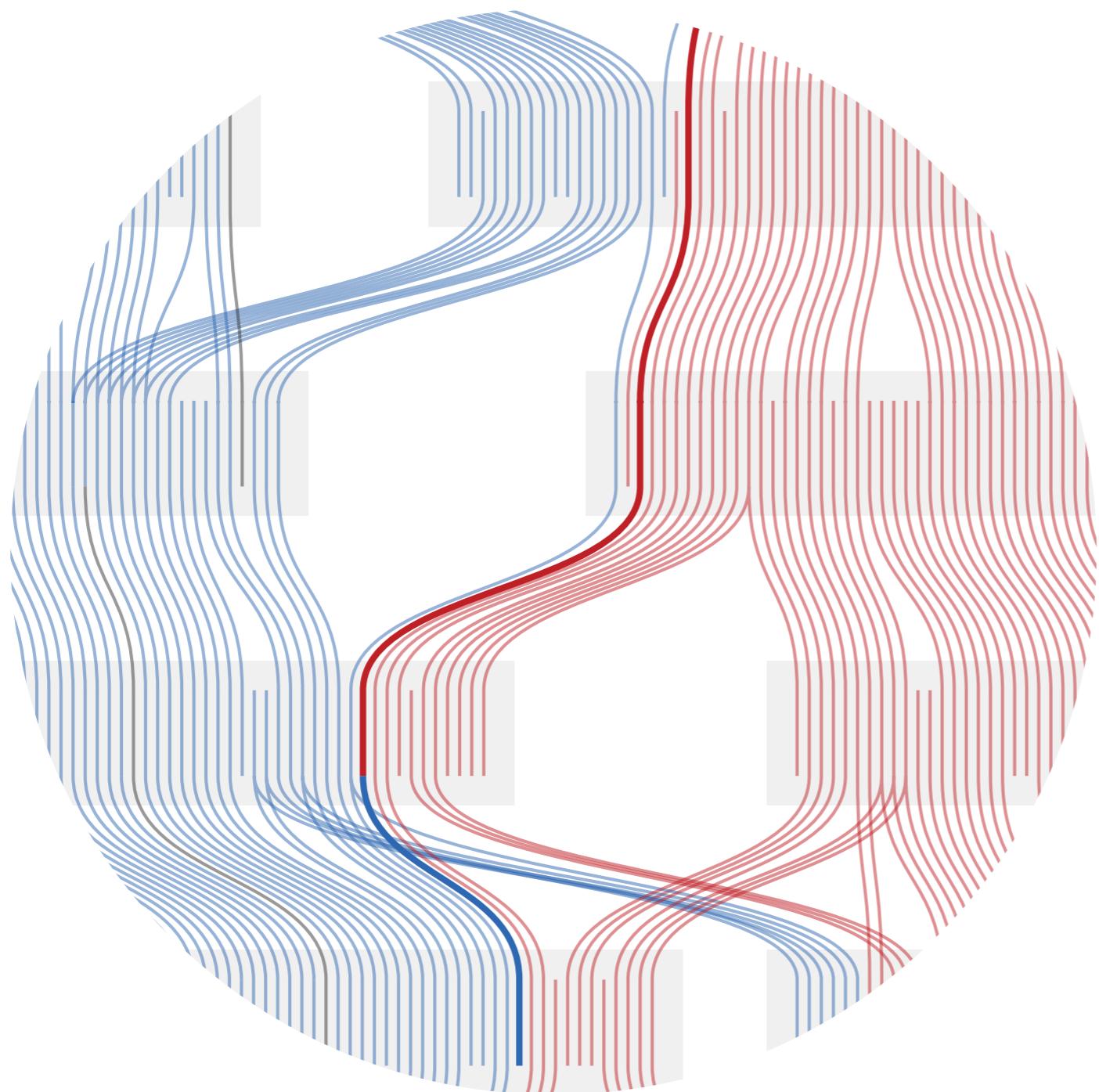
The Illustration

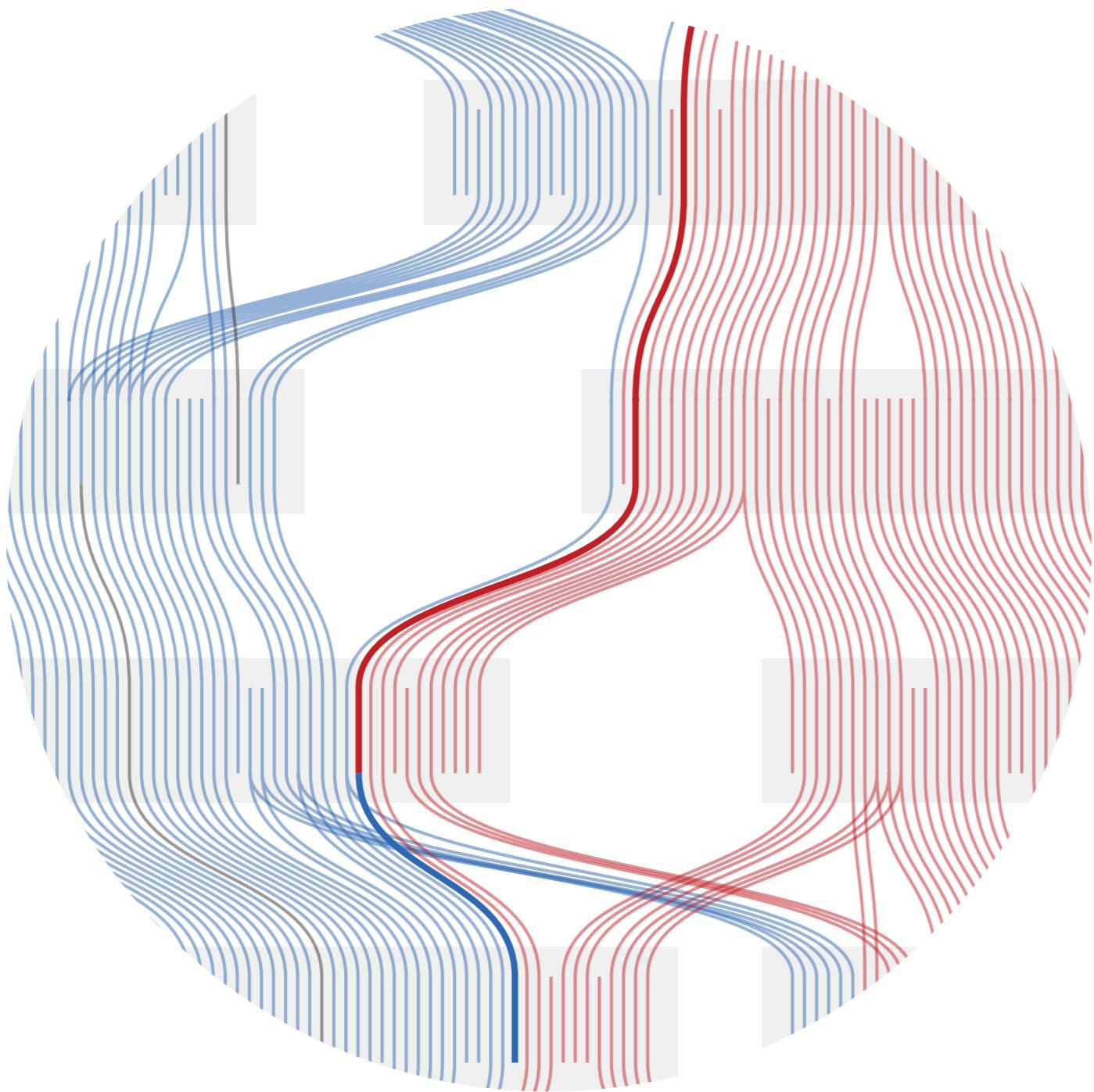




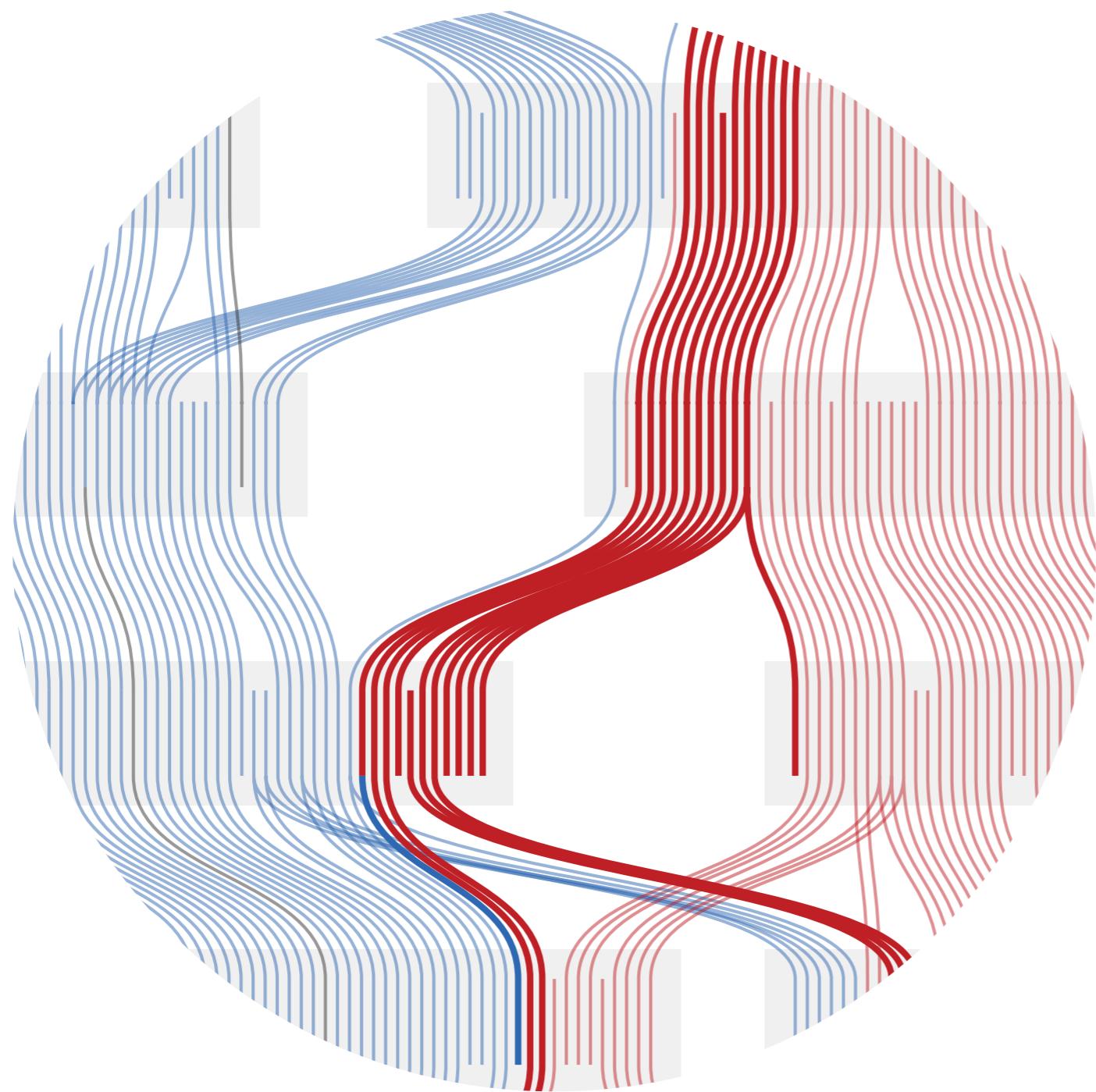


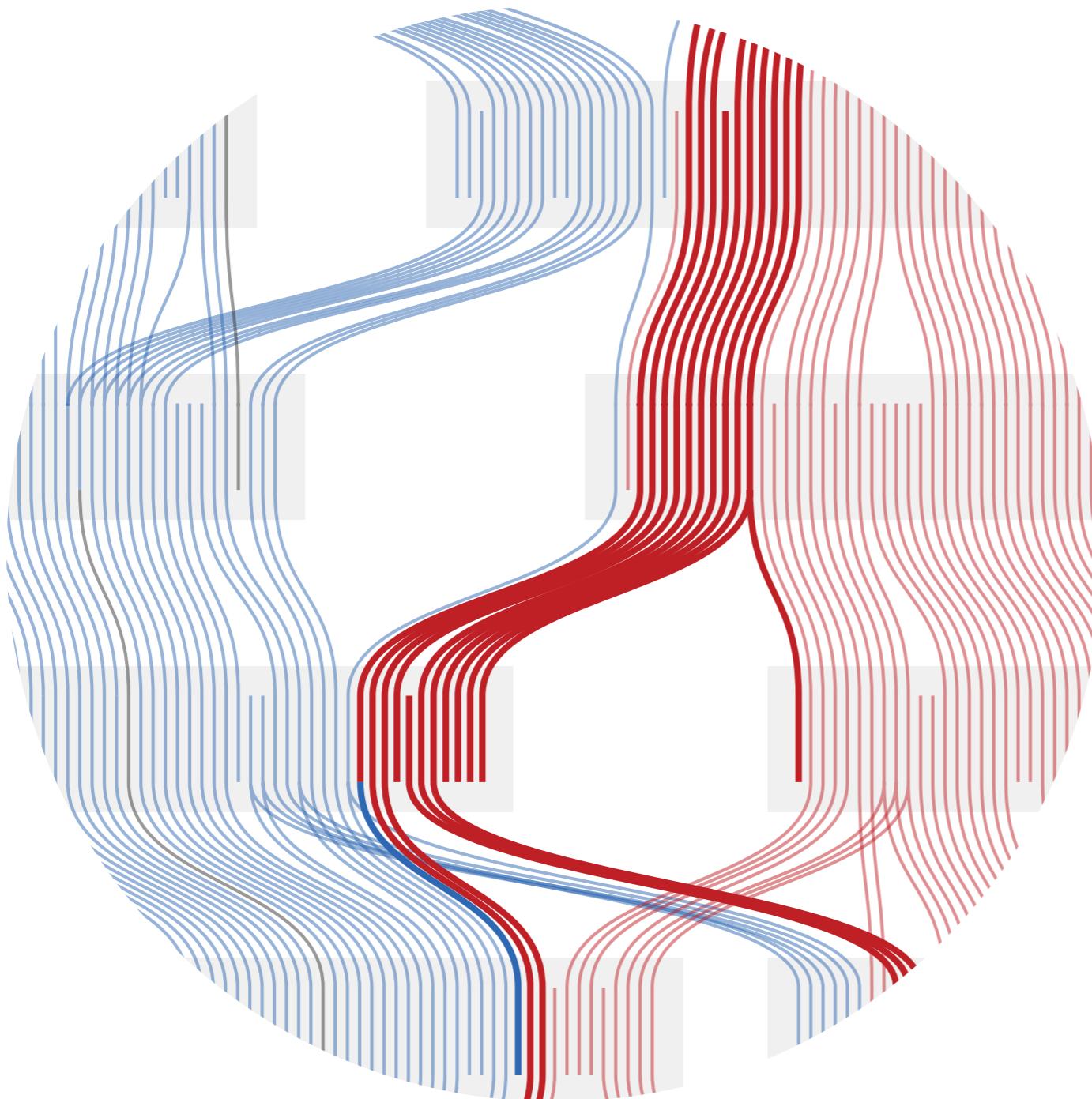
Zell Miller





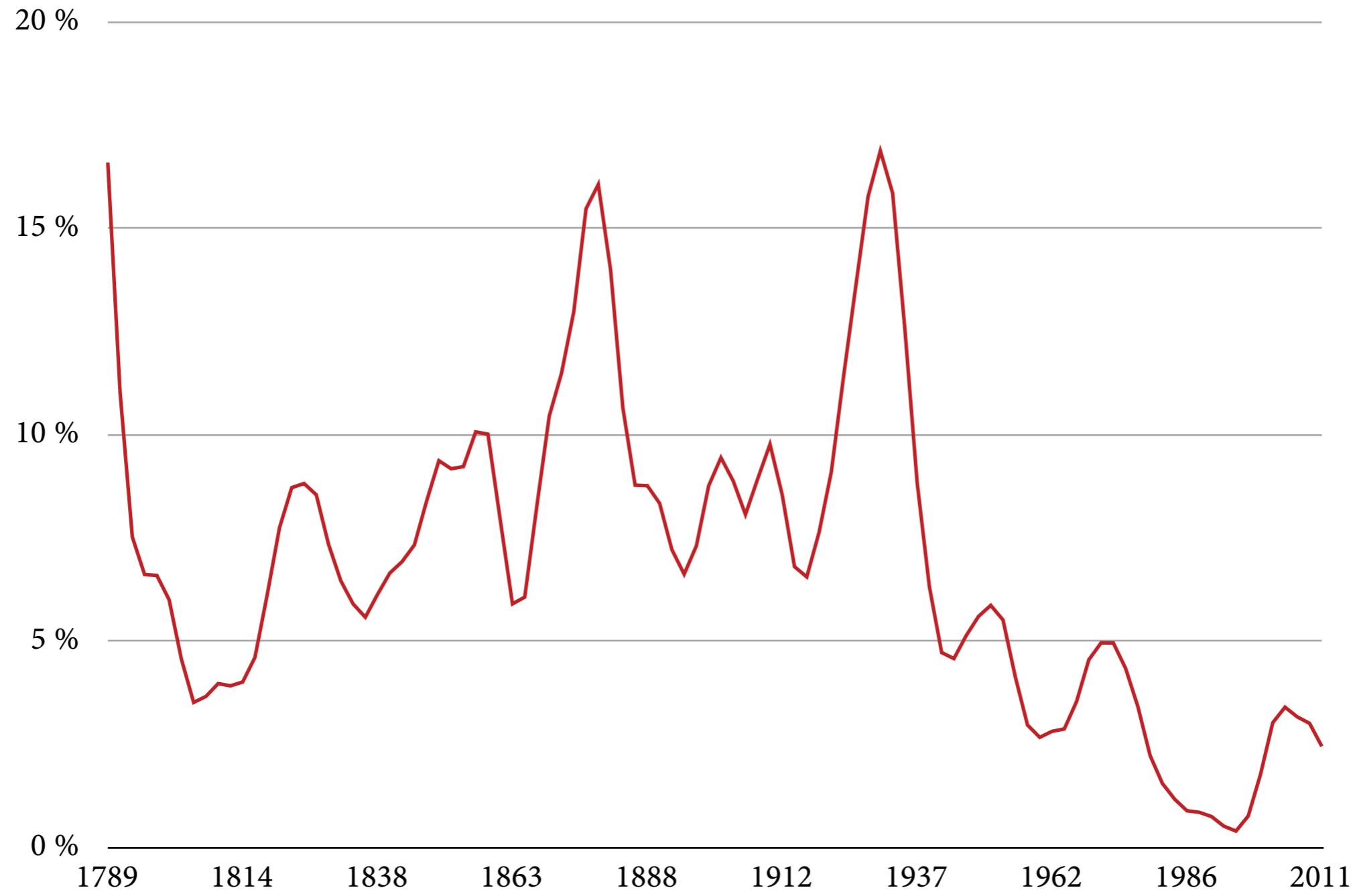
Arlen Specter





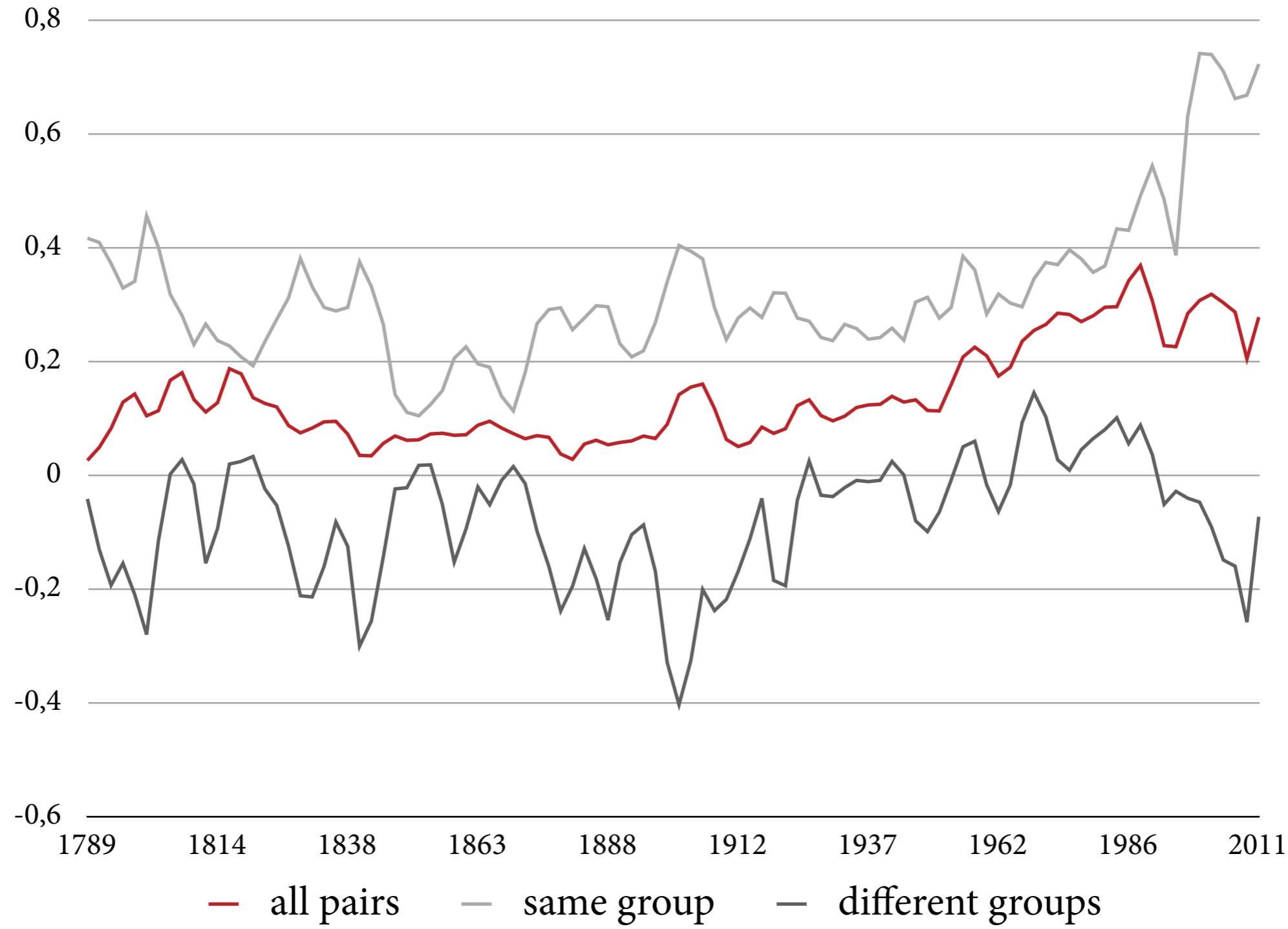
Charles Hagel
George Voinovich
John Warner
Olympia Snowe
Susan Collins
Gordon Smith
Norm Coleman
Arlen Specter

The Results



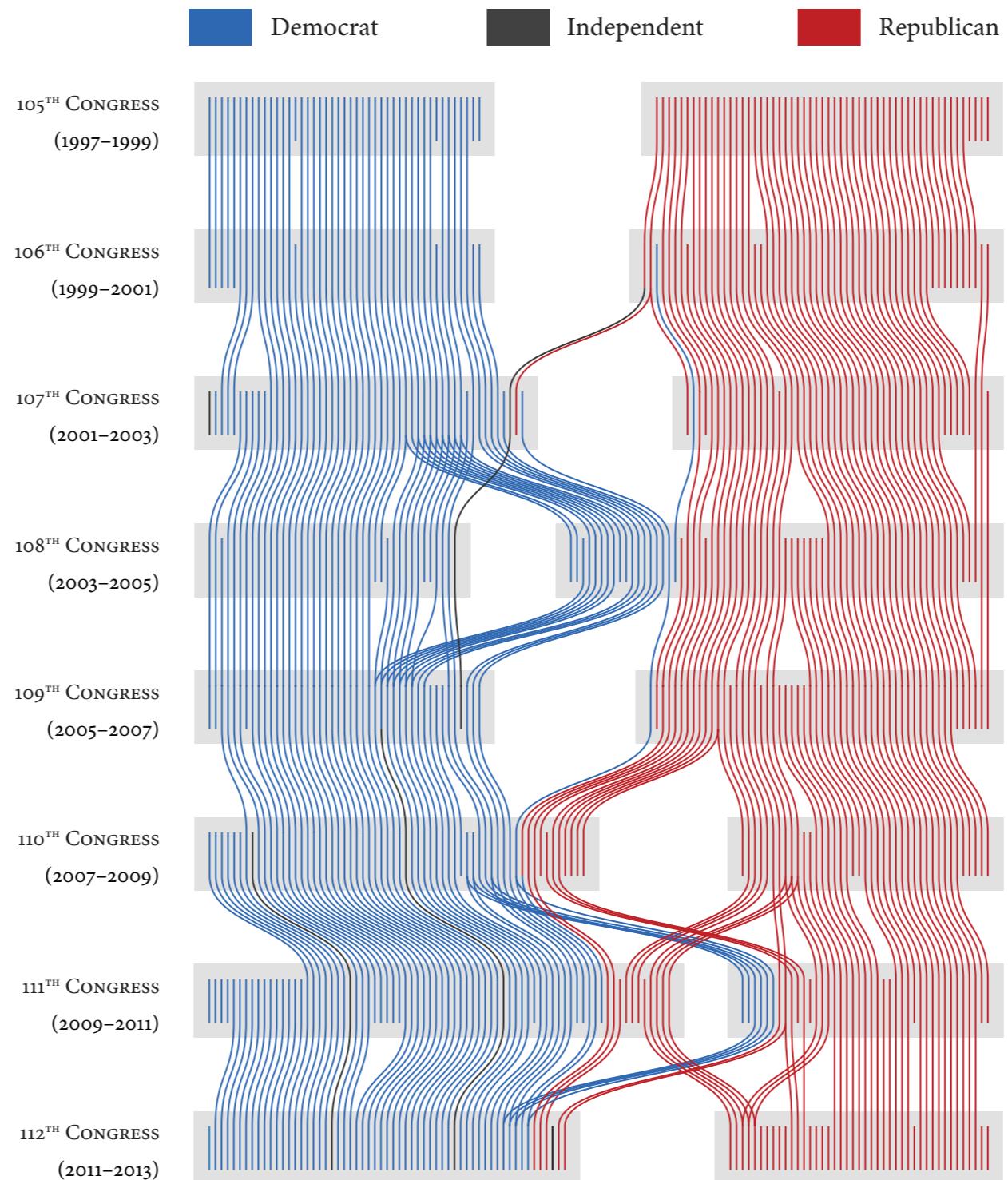
evolution of overlap

decreasing
bipartisanship
since 1930s



evolution of agreement

increasing
antagonism
since 1990s



<http://friggeri.net/research/senate>

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