

PoliticalMashup

Large scale integration of political data

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Goal of this project

Enabling Computational Social Science on Political Data.

- Diachronic
- Compare political actors
 - ★ Parties
 - ★ Politicians
 - ★ Roles
 - ★ Executive Organizations, like
 - nation states
 - ministries



Example: competing for attention

Economy of attention

[Huberman et al, CACM 2010]

- **Idea:** attention = being interrupted during your speech.
- Each person gives and receives attention to and from other persons.
- Each event is a directed network of persons giving and receiving attention.



Attention network

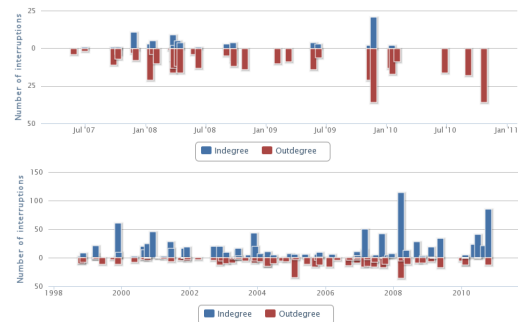


Diachronic view on one person

<http://xml.politicalmashup.nl/XQueries/debates/inoutdegree.xq?mpid=02207>



Compare careers of different politicians



Interruption in- and out-degree of Roemers and Wilders



Important dimensions for comparison of data

- Time
- Political Actors
- Issues
 - ★ E.g., compare PVV and SP on immigration-topic through time.

Requirement:

- all useful data units are uniformly tagged with normalized values on these dimensions.



Data upside down, or inside out

- Often, scientific analysis asks for a radically different organization of the data.
- Take DBLP as an example.

dblp.uni-trier.de
Computer Science
Bibliography



Medium and short term

This very rich data source works well in [connecting](#) Computer Science to

- Foundational CS research
- Humanities and the Social Sciences
- Society



Testbed and Inspiration for Foundational Research

- FP7 STREP Foundations of XML project
 - Benchmark and test data
 - Document centric data exchange
Neven et al, PODS 2011
NWO EW Open Competition
 - Faceted Search Evaluation [INEX 2011]



Computer Science applied in other sciences

- UvA ASCoR (Humanities) : compare populist parties in last 20 years in NL, Belgium, Denmark, Sweden (CCCT funded).
- NIOD (Humanities): [War in Parliament](#) project (Clarin funded).
- DNPP (Political Science): web and media use of parties and politicians. Agenda setting research (NWO funded).



Benefits for society

- Improved information access for general public and professionals through
 1. Cooperation with Dutch Parliament
 2. Statengeneraaldigitaal.nl (Koninklijke Bibliotheek)
 3. Research → Media → Kamervragen → [Serious pressure for improvement.](#)

Op welke wijze gaat u zich inzetten voor volledige, juiste en digitaal makkelijk toegankelijke informatie uit het parlement?

[P. Heijnen, PvDA 2011-03-04]



End

Thanks to

