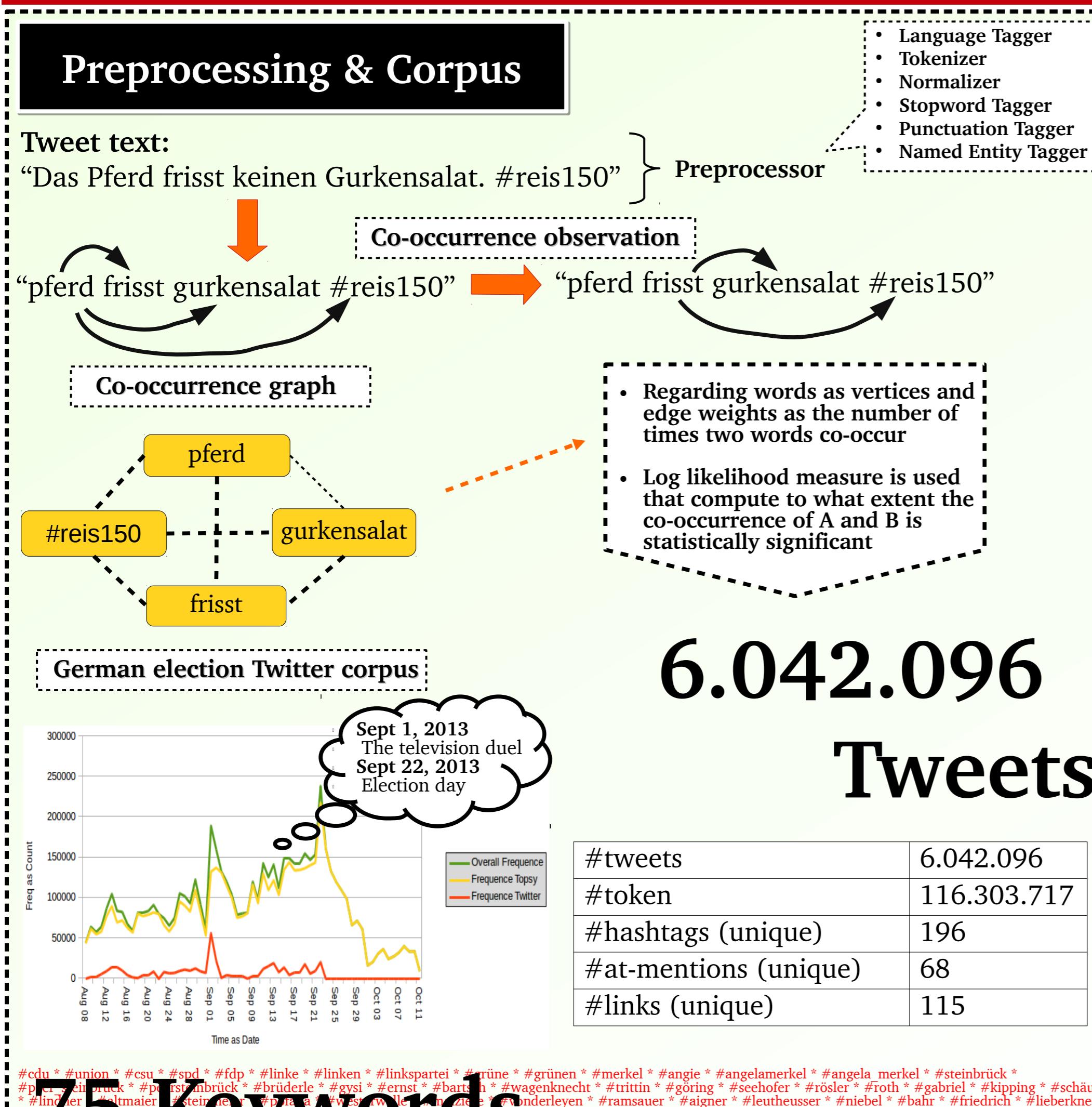


Contrastive Co-Occurrence Analysis on Twitter for the German Election 2013



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#tweets	6.042.096
#token	116.303.717
#hashtags (unique)	196
#at-mentions (unique)	68
#links (unique)	115

#cdu * #union * #csu * #spd * #fdp * #linke * #linken * #linkspartei * #grüne *
#pdl * #steinbrück * #peinerbrück * #brüderle * #gysi * #ernst * #barsch * #w...
* #lindner * #almaier * #steinmeier * #parada * #westerwelle * #münzinger * #v...
* #bouffier * #lw2013 * #tvw3 * #bundestswb * #wahl2013 * #btv * #...
#franzen * #deikampf * #deutschland * #deutschlandtipp * #deutschlandtipp...
75 Keywords



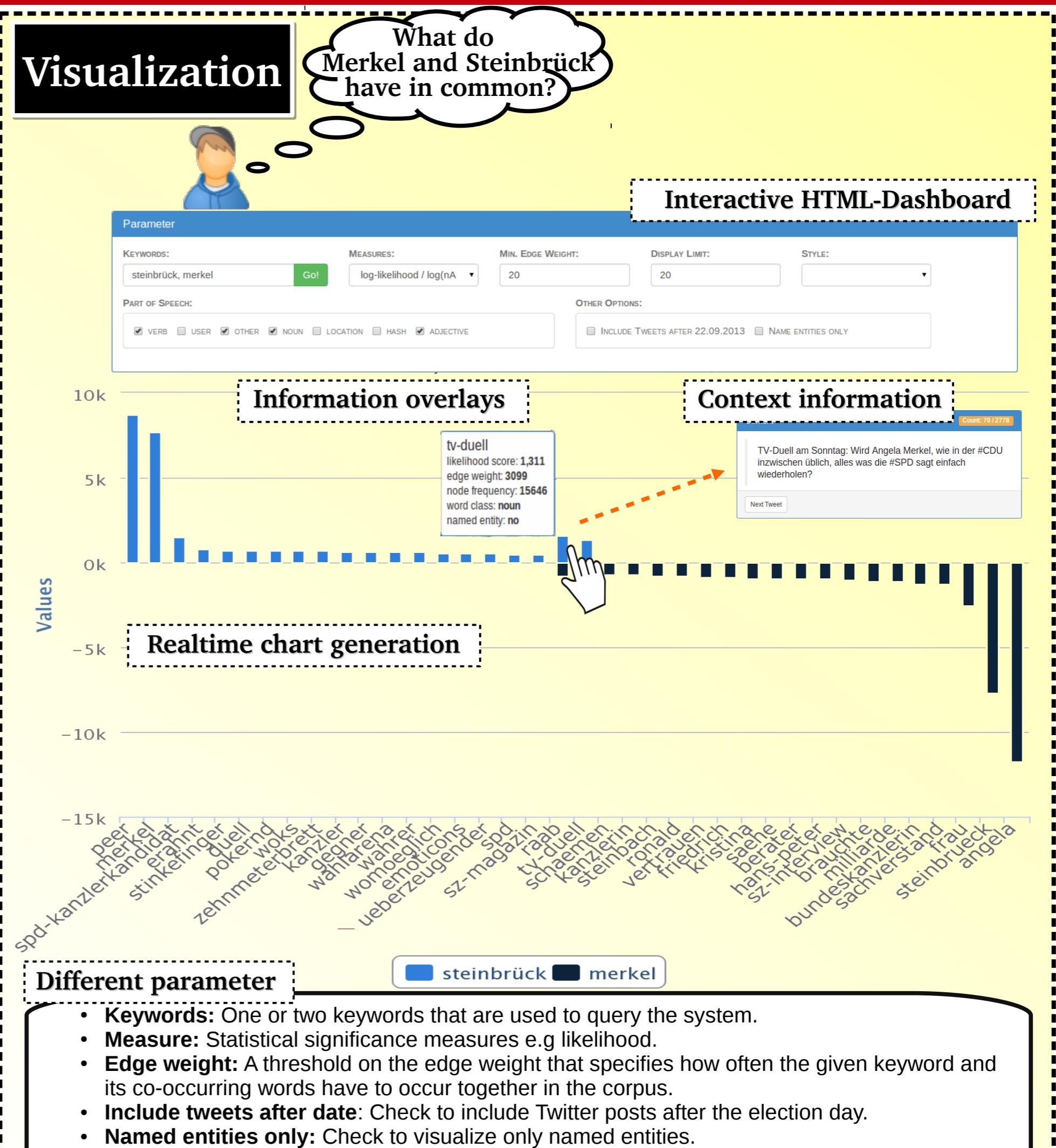
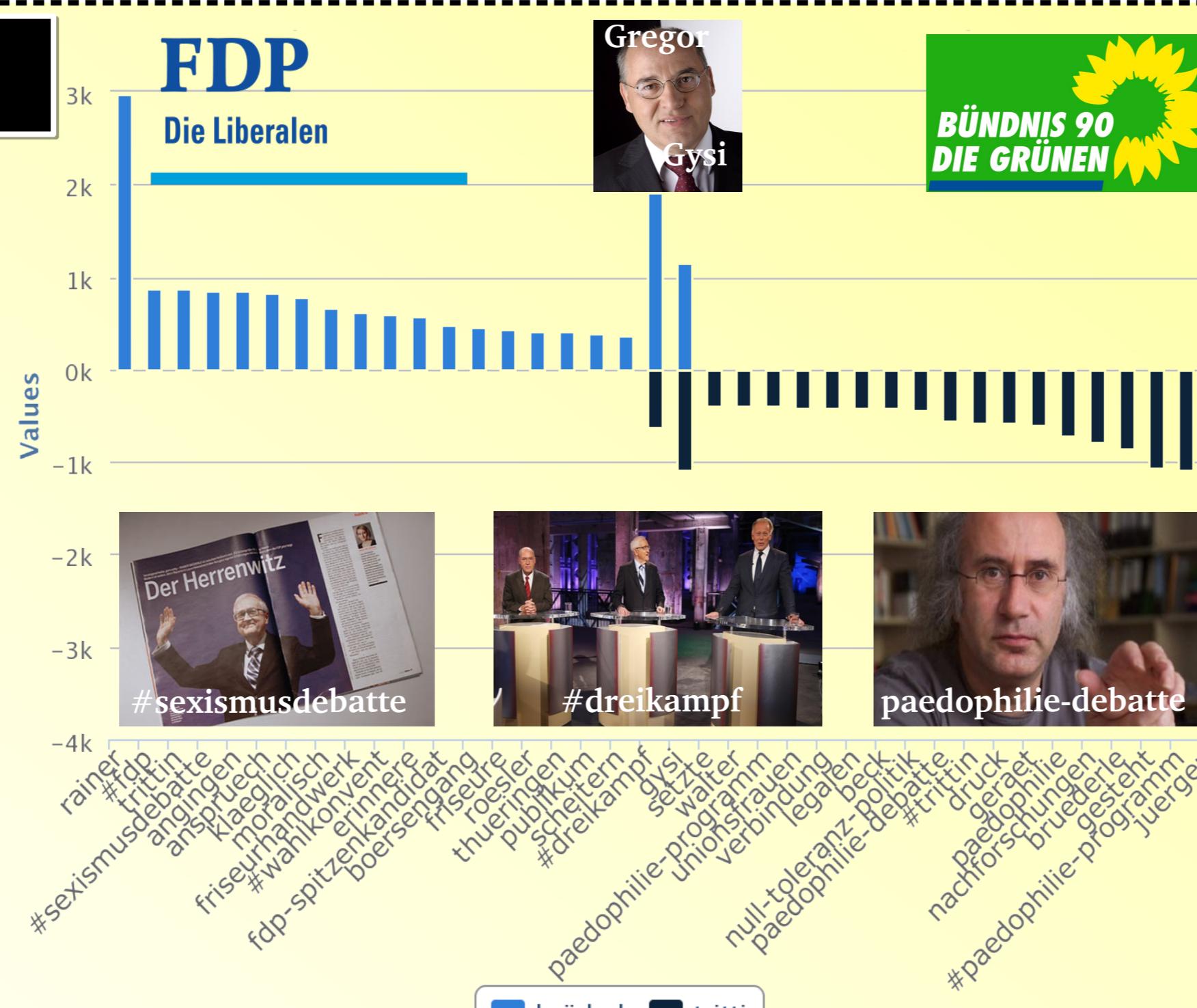
Context related to co-occurrence

Das war super, aber da geht noch mehr! Nach dem #tydve

Brüderle. #btw13

Context: {Trittin, #dreikampf}

[Next Tweet](#)



Different parameter

- **Keywords:** One or two keywords that are used to query the system.
 - **Measure:** Statistical significance measures e.g likelihood.
 - **Edge weight:** A threshold on the edge weight that specifies how often the given keyword and its co-occurring words have to occur together in the corpus.
 - **Include tweets after date:** Check to include Twitter posts after the election day.
 - **Named entities only:** Check to visualize only named entities.
 - **Part-of-speech option:** Select word classes that should be included in the chart

Evaluation



- “Wort des Tages”¹, Leipzig University
- Shows keywords that are particular relevant for a day
- Source: newspaper and news services
- Grouped by categories e.g. politicians

How much overlap can we find regarding our results?

Match Brüderle & Trittin:

Rainer Brüderle, Rainer, FDP-Spitzenkandidat, Wolfgang Schäuble, Schavan, Guttenberg, Döring, Seehofer, Sturz, Jürgen Trittin, Trittin, Gregor, Schlagabtausch, Mindestlohn, TV-Dreikampf, Blamage, Bahnmitarbeiter, Personalmangel, Bahn-Vorstand, Energiewende, Lindner, Jürgen Trittin, Trittin, Göring-Eckardt, Gregor, Rainer Brüderle, Brüderle, TV-Dreikampf, Spitzendanideaten, Mindestlohn, Schlagabtausch, Bedrängnis, Pädophilie, Missbrauch, Kommunalwahlprogramm

No match Brüderle & Trittin:

Solidaritätszuschlag, rot-rot-grün, Reformdruck, Gewerbesteuer, Post, Käntinen, Steuererhöhung

Gewerbesteuer, Post, Kantinen, Steuererhöhung AfD, Bundestagswahl

7504-641

- 75% of the co-occurring words related to Brüderle and Trittin are reflected in newspaper topics.
 - The overlap in our contrast analysis gives a sensible reflection of key political events such as the “tv-dreikampf”.

1. <http://wortschatz.uni-leipzig.de/wort-des-tages>