# Populism in German Politicians





### How populist do German politicians tweet? A text mining approach of twitter data

Project URL: https://github.com/sebastiansauer/polits tweet mining





sebastian.sauer@fom.de



sauer sebastian



https://data-se.netlify.com/



## Can populisms of politicians be estimated by analyzing speech data from Twitter?

With the re-surge of (right-wing) populism amongst countries on a global scale, the question of causes, and a deeper understanding of pathways demands preoccupation. This study proposes to estimate individual populism levels of politicians (and, in consequence, by party) by processing Twitter messages (tweets). Scholars are struggling to define populisms due to its varieties, but narratives of the "pure people" and "threats from outside" prevail. In addition, lowcomplexity and anti-pluralistic solutions to complex societal problems continue to provide wide-spread currency (Berbuir, Lewandowsky, & Siri, 2015).

In the present work, populism is defined by referring to Poppers (pre-)theory of the open society, as antidote to the tribal society, or "horde" (Popper, 1972). Advocates of the tribal-type society advocate for strong hierarchical leaders, strict rules, accepting (as opposed to discussing) "truths", adopt narratives of "blood and soil", and "we against them", cherish heroistic traits and behavior. In sum, such tendencies may be interpreted as complexity-reducing, even anti-rational, intra-group cohesive. According to Popper, tribal societies have a totalitarian core, going back to Plato as spiritus rector.

### Operationalization

Populisms is operationalized by eight indicators. Their median give the total populism score per person.

#### Indicator

word shortness

ratio of negative/positive words

proportion of negative

proportion of emotional words

negative emotion score

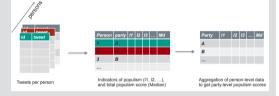
overall emotion score

proportion of CAPITAL letters

ratio of adjectives to adverbs

### Data and data aggregation

- 400k (4\*105) tweets from German politicians
- 32k tweets from Donals Trump
- Yielding approx. 6.3\*106 words
- 200 politicians from list German Politicians (Deutsche Welle)
- 8 political parties: AfD, CDU, CSU, Figure 1. Eight Populism indicator scores FDP, Grüne, Linke, SPD, (fraktionslos), Trump/GOP
- Data were collected in August 2017



(z-values) are computed from tweets data per person. Person-level data is further aggregated to party-level data.

### Results: AfD and Linke show highest score, overall\*

\*within German parties. However, Trump's score is by far the largest.

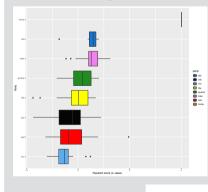
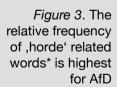
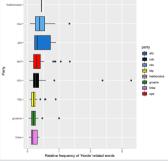


Figure 2. German party scores are led by AfD and The Linke





### **Discussion**

- Indicators were chosen with some degree of subjectivity
- More/different analyses warranted
- Statistical uncertainty not covered
- Was the sample representative for German politician chatter?
- Association with external criteria is still unknown

Berbuir, N., Lewandowsky, M., & Siri, J. (2014). The AfD and its Sympathisers: Finally a Right-Wing Populist Movement in Germany? German Politics, 24(2), 154–178. https://doi.org/ Popper, K. (1972). Die Offene Gesellschaft und ihre Feinde. Bern: Francke UTB.

Figure 4. Populism indicator scores (zvalues) for each party. Some parties show similar patterns such aus CSU, CDU and SPD.

