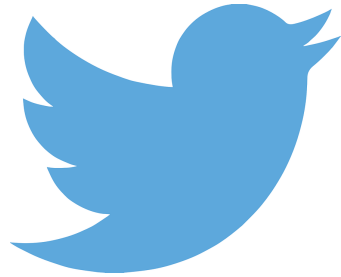


# Language Technology at the RuG

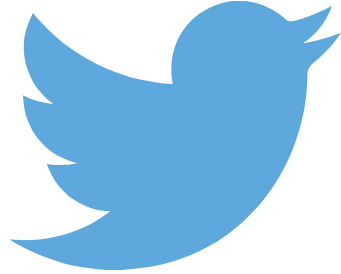
Malvina Nissim, Computational Linguistics and Society, m.nissim@rug.nl  
Center for Language and Cognition Groningen, Faculty of Arts  
<https://www.rug.nl/research/clcg/research/cl/research/>



# Language Data



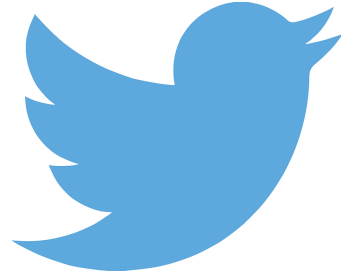
# Language Data



**deVolkskrant**



# Language Data



**deVolkskrant**

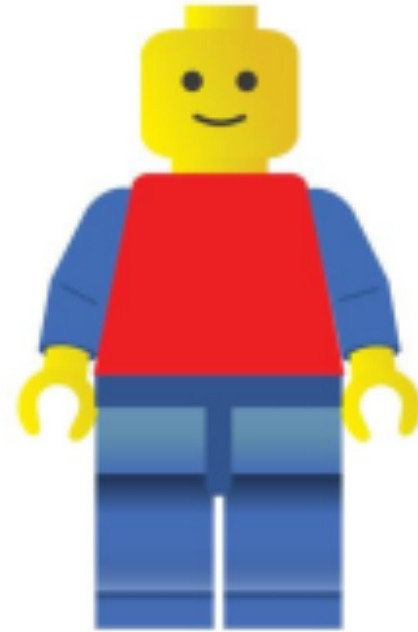


alexa





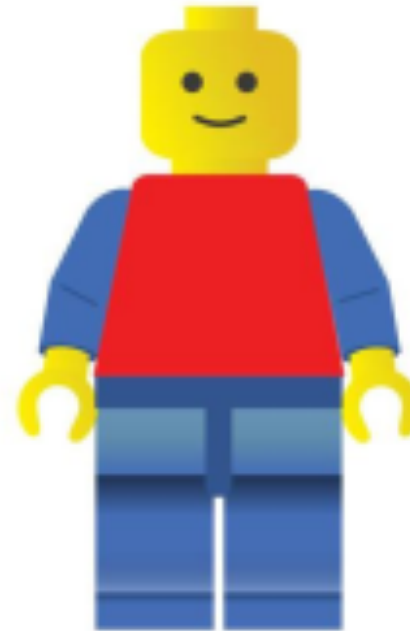
# What machines can infer from what we write



# What machines can infer from what we write

## **Author** profiling

- gender
- age
- native language
- socio-economic status
- ...



# What machines can infer from what we write



## **Text** profiling

- hate speech
- sentiment analysis
- polarisation
- irony

...





Gentle Tony



Fat Vinny



The Weasel

Deciding on the best treatment for a burn is crucial.

Reducing the level of cancer causing nitrosamines in tobacco smoke exists.

Scientists think some microbes and certain pollutants can trigger an inflammatory reaction.

Science is built up of facts, as a house is made up of stones.

# Authorship Attribution Style Modelling

# **Author Analysis**

<https://aabeta.herokuapp.com>

# **Emotion/Sentiment/Hate Speech detection**

**SMS-RuG: Social Media Sensing group**

<https://sites.google.com/view/sms-rug>



# Machine Translation



**Machine  
Translation**

**Text  
Generation**



**Machine  
Translation**

**Text  
Generation**

## **Vision and Language**

- Social Virtual Reality
- Image descriptions
- Grounding meaning

<https://www.rug.nl/research/clcg/research/cl/research/>

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