

A Thesis on....

Tommaso Caselli

t.caselli@rug.nl

Room: 0422

What does make us [EMOTION]? (1)

- Events causes emotions (affective events) - pleasant / unpleasant
- *Being in the country* 😊
- *Cooking things that do not turn out right* 😭
- *Being Alone* 😊😭

What does make us [EMOTION]? (1)

- Pretty weird to say “*I was cooking things that do not turn out right*” ...
- ... rather use more specific cases “*I burned my avocado toast!!*”
- How to infer *specific instance* from *generic patterns*?

Narratives & Storylines (2)

- Increase number of “news providers”
- Increase number of “alternative facts” about a story
 - “a ***terrorist*** shot 4 people” vs “a ***shooter*** shot 4 people”
- Not much previous work, challenging topic in terms of: ideas, data, systems (*only the braves*)

Narratives & Storylines (2)

- Extract the “basic” events of a story from news articles
 - not all sentences (clauses) are equal in a news documents
 - not all news have the same structure (inverted pyramid - most newsworthy at the top - is a huge simplification)

Narratives & Storylines (2)

- Extract/Induce (prototypical) patterns:
 - Prototypical sequences of events from news
 - Prototypical events of characters (*what do presidents do? and terrorists?*)
- What comes next?
 - *A 6.1 **earthquake hit** Indonesia and [destroyed|killed|rescue]*

Social Media Sensing (3)

- Controversies and Toxicity (with M. Nissim):
 - *Sleepwet* - huge debate, highly polarised, extreme opinions
 - *Donorwet* - debate, highly polarised, extreme opinions
- Controverses are the perfect environment for toxic debates
 - Collect comments from controversial news
 - Generate source-driven word embeddings
 - Apply them in Hate Speech / Toxicity Detection