

(more than four) Ideas for master projects

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Project 1: Non-lexicalised Gender Detection

Non-lexicalised Gender Detection

other people involved: Barbara, Rob, Hessel

- cross-dataset
- cross-language

Project 2: Emotions

Emotions

other people involved: Tommaso, Barbara

- modelling news controversy (Facebook)
- PEOPLES (peopleswksh.github.io)

Project 3: Tracing language change through diachronic representations

Tracing metaphors in time

other people involved: Hessel

Background and state of things

- pilot work on Dutch metaphors (CLIN paper)

Tracing metaphors in time

other people involved: Hessel

Background and state of things

- pilot work on Dutch metaphors (CLIN paper)

Project: turn top-down pilot into bottom-up approach for automatic detection of shifts

- revise representation strategies
- devise evaluation strategies
- develop predictive measures to automatically detect shifts in word meaning in a completely unsupervised fashion from raw text

Project 4: The new Turing Test

The new Turing Test: Winograd Schema Challenge

<https://aaii.org/Conferences/AAAI-18/aaii18winograd/>

The new Turing Test: Winograd Schema Challenge

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examples are constructed such as they are:

- easily disambiguated by the human reader (ideally, so easily that the reader does not even notice that there is an ambiguity)
- not solvable by simple techniques such as selectional restrictions
- Google-proof: there is no obvious statistical test over text corpora that will reliably disambiguate these correctly

The new Turing Test: Winograd Schema Challenge

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Key points:

- anaphora resolution
- learning approach, but deep processing
- can we exploit paraphrases? (available)
- can we exploit scores of association norms (available)?