

# Evaluating multi-sense embeddings for semantic resolution

- semantic resolution (sense vs usage)
- tasks
  - monolingual dictionaries: # of word senses correlated
  - word translation:
    - different sense  $\Rightarrow$  different
    - translation, linear method (Mikolov et al., 2013)
- MSE implementations compared
  - spherical context clustering method (Huang et al., 2012)
  - multi-sense skip-gram (Neelakantan et al., 2014)
  - AdaGram (Bartunov et al., 2015)
  - Chinese Restaurant Process (Li and Jurafsky, 2015)
- English and Hungarian
- confounding factors: homonymy vs polysemy, word frequency, POS