



# Do embeddings **bridge** the gap?

Contact: [m.nissim@rug.nl](mailto:m.nissim@rug.nl), [hessel.haagsma@rug.nl](mailto:hessel.haagsma@rug.nl), [johan.bos@rug.nl](mailto:johan.bos@rug.nl)

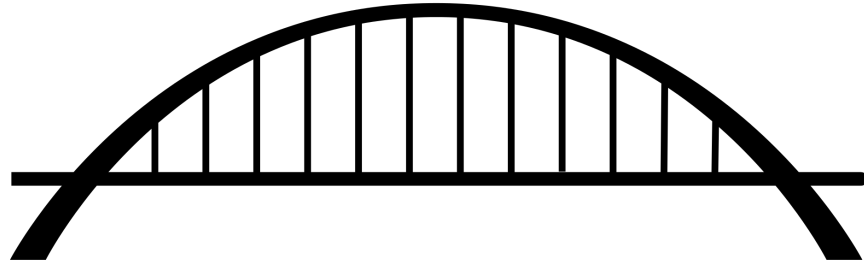


# Anaphora

I went to **a wedding** last week. **It** was really fancy.

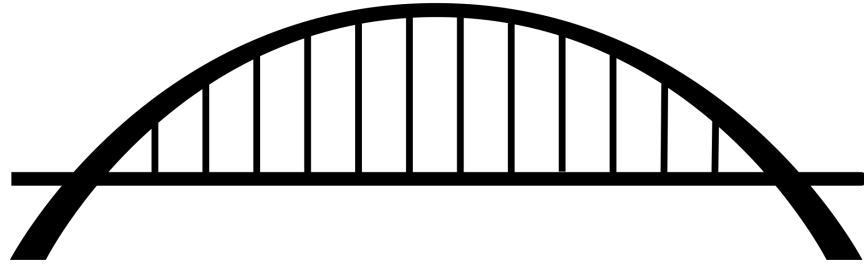


# Bridging (anaphora)





# Bridging (anaphora)

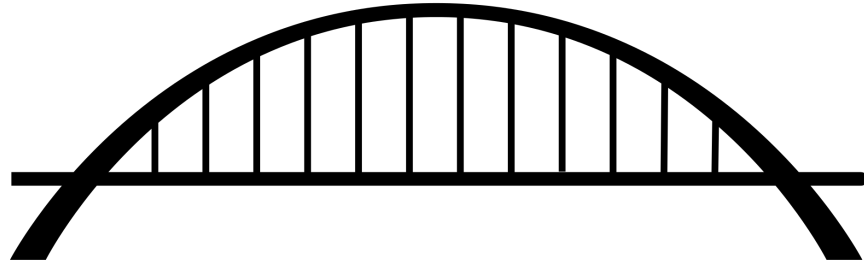


I went to **a wedding** last week. **The bride** was really pretty.



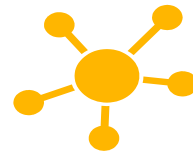


# Bridging (anaphora)



I went to **a wedding** last week. **The bride** was really pretty.



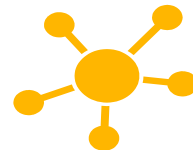


# Task

**Find out if embeddings cover such **relations****

- **Which embeddings?**
- **Which relations?**

# Data



- **Wordrobe bridging game**
- **SemEval-2012 Task 2 dataset**
- **ISNotes Corpus (state-of-the-art results on this)**

**For an ontology of bridging expressions:**

<https://aclanthology.coli.uni-saarland.de/papers/L04-1402/l04-1402>

**Recent paper on making bridging-specific embeds:**

<https://arxiv.org/abs/1803.04790>