



Cambridge Site Update

Guy Emerson

Cambridge

- Ann Copestake (on sabbatical)
- Weiwei Sun
- Guy Emerson
- Huiyuan Xie (graduated)

Weiwei Sun

- Adapting ERG for English as a second language (with Wenxi Li)
 - How much can be handled by the ERG?
 - What's a reasonable approach for sentences challenging to the ERG?
- So far: relaxing the grammar, phrase structure analysis is the major issue, but semantics is okay

Huiyuan Xie

- Thesis title: “Evaluating natural language generation tasks for grammaticality, faithfulness and diversity”
- Examiners: Paula Buttery and Dan Flickinger
- Fine-grained evaluation is possible for grounded contexts but challenges remain for others
- <https://www.repository.cam.ac.uk/handle/1810/366443>

Huiyuan Xie

- Use of DELPH-IN:
 - ERG parsability as surrogate for grammaticality (but football data required malrules)
 - ShapeWorld and ERG for evaluating caption generation
 - ERG constructions used for parse-level diversity (0-1 vector for each sentence; diversity as variance of such vectors)

Xuyou Cheng et al. (2023)

- “Are Embedded Potatoes Still Vegetables? On the Limitations of WordNet Embeddings for Lexical Semantics”
- <https://aclanthology.org/2023.emnlp-main.542>

Wenxi Li et al. (2024)

- “UG-schematic Annotation for Event Nominals: A Case Study in Mandarin Chinese”
- https://direct.mit.edu/coli/article/doi/10.1162/coli_a_00504/118770

Kin Chun Cheung et al. (2024)

- “Colour Me Uncertain: Representing Vagueness with Probabilistic Semantics”
- <https://aclanthology.org/2024.unimplicit-1.8/>

Chun Hei Lo et al. (2024)

- “Distributional Inclusion Hypothesis and Quantifications: Probing for Hypernymy in Functional Distributional Semantics”
- Presented at last summit, accepted at ACL 2024
- <https://arxiv.org/abs/2309.08325>

Chun Hei Lo et al. (2024)

- “Distributional Inclusion Hypothesis and Quantifications: Probing for Hypernymy in Functional Distributional Semantics”
- Presented at last summit, accepted at ACL 2024
- <https://arxiv.org/abs/2309.08325>
- Also, Hei has completed his PhD!
 - <https://repository.lib.cuhk.edu.hk/en/item/cuhk-3368887>

Summit Content

- Guy: Judicious Incoherence (grant proposal)
- Ann: discussion on generation
- Ann: discussion on grammars and (L)LMs