



## Measuring the coherence of dialog Responses

### Motivation

Applications of conversational agents are becoming widespread. However, training such agents to generate high-quality responses is still a big challenge as the quality of responses depends on various factors. One of these factors is coherence. In this thesis, we built upon one of our existing models to measure the coherence of a response to its preceding dialog utterances using BERT-based language models.

### Task Description

- Using BERT-based embeddings to encode utterances
- Training the coherence model
- Comparing with the SOTA models
- Performing an error analysis



### References

- Mohsen Mesgar, et al., (2019). A neural model for dialogue coherence assessment. arXiv 2019.
- See Abigail, et al., (2019). What makes a good conversation? How controllable attributes affect human judgments. In Proc. of NAACL-HLT 2019, pp. 1702-1723.

### Contact

Analysis



Programming



Literature



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