

Variable sized representation of sentence (LSTM/RNN) := “dynamic representation” (Cohn et al. 2016)

RNN Applications: Introduction of (Yu, Lee, and Le 2017)

“Natural language inference (NLI; also known as recognizing textual entailment, or RTE) is a widely-studied task in natural language processing, to which many complex semantic tasks, such as question answering and text summarization, can be reduced (Dagan et al., 2006) (Dagan, Glickman, and Magnini 2006).” from: (Gururangan et al. 2018)

## References

Cohn, Trevor, Cong Duy Vu Hoang, Ekaterina Vymolova, Kaisheng Yao, Chris Dyer, and Gholamreza Haffari. 2016. “Incorporating Structural Alignment Biases into an Attentional Neural Translation Model.” *arXiv Preprint arXiv:1601.01085*.

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Gururangan, Suchin, Swabha Swayamdipta, Omer Levy, Roy Schwartz, Samuel R Bowman, and Noah A Smith. 2018. “Annotation Artifacts in Natural Language Inference Data.” *arXiv Preprint arXiv:1803.02324*.

Yu, Adams Wei, Hongrae Lee, and Quoc V Le. 2017. “Learning to Skim Text.” *arXiv Preprint arXiv:1704.06877*.