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Title: Using Monotonicity for Natural Language Inference

Abstract: In this talk, I will present a light-weight natural language inference (NLI) system called MonaLog, which is based on monotonicity and natural logic. I will first describe its key component -- a CCG-based monotonicity tagging system, and then introduce the design and inner workings of MonaLog. The system has achieved good performance on NLI datasets such as FraCaS and SICK, and more interestingly can be used to generate natural logic inferences that can be used for data augmentation and challenging NLI datasets.