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Title: Learning lexical knowledge with Natural Tableau

Abstract: For the last five years, neural models have been holding state of the art results over natural language inference (NLI) datasets. The main reason behind this is that neural networks are very good at approximating functions and learning from large data. On the other hand, logic-based NLI systems are out of the game when it comes to large NLI datasets. This is due to their inability to learn from data. But how can we train a logic-based NLI system on NLI data? During my presentation, I will show how a theorem prover for natural logic can be trained on a labelled NLI dataset to learn lexical knowledge.