A Multi-Task Approach for Disentangling Syntax and Semantics in Sentence Representations

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Multi-Task Training **Experiment Results** Semantic Variable Syntactic Variable Paraphrase Reconstruction 80 60 60 Loss 40 40 20 20 Sentence Baseline Baseline Our model Our model Semantic tasks Syntactic tasks Syntactic variable Semantic variable Maximal Best Performance Disentanglement Sentence Nearest Neighbors Semantically similar Discriminative Querv Syntactically similar Paraphrase Loss starting we've got to get a move on. Word Position trying sharing chasing you'll have to get in there. Loss Minneapolis, MN rising wake initial forward come on, we got ta move.