# Learning sentence representations from natural language inference data

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Github repository link - https://github.com/ktodorov/uva-semantics-19

For all models we can observe that hypotheses where almost all of the sentence is similar to the premise the model predicts correctly as entailment but if the differences in the hypothesis become more complex then the models fail to predict correctly

#### 1 Mean encoder

test macro accuracy: 61.4346%test micro accuracy: 61.4413%

#### 2 Uni-LSTM encoder

test macro accuracy: 33.7865%test micro accuracy: 33.7438%

### 3 Bi-LSTM encoder

test macro accuracy: 34.4460%test micro accuracy: 34.4258%

## 4 Bi-LSTM with max-pooling encoder

test macro accuracy: 37.6724%test micro accuracy: 37.6832%