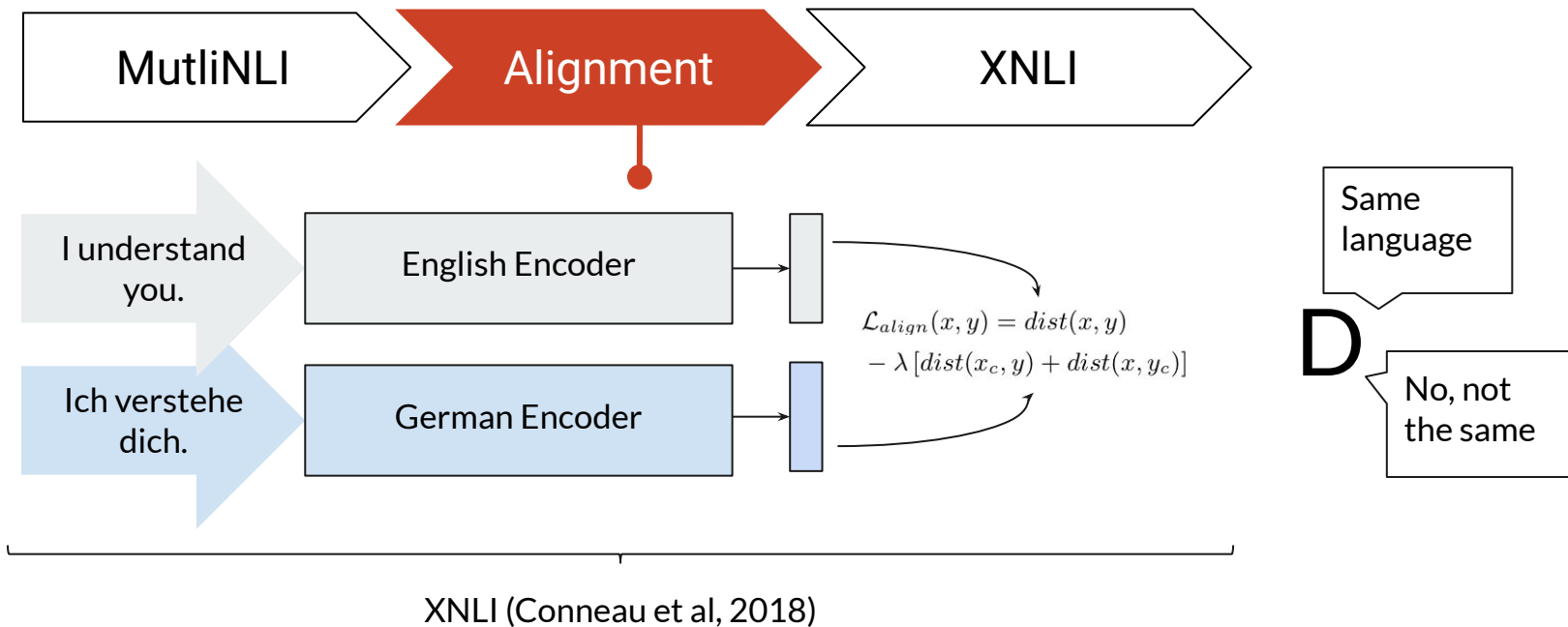




The Task: Learning Cross-Lingual Sentence Representations for Natural Language Inference

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The Approach





Results

| | en | fr | es | de | el | bg | ru | tr | ar | vi | th | zh | hi | sw | ur |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <i>XNLI Baselines from (Conneau et al., 2018)</i> | | | | | | | | | | | | | | | |
| X-BiLSTM-last | 71.0 | 65.2 | 67.8 | 66.6 | 66.3 | 65.7 | 63.7 | 64.2 | 62.7 | 65.6 | 62.7 | 63.7 | 62.8 | 54.1 | 56.4 |
| X-BiLSTM-max | 73.7 | 67.7 | 68.7 | 67.7 | 68.9 | 67.9 | 65.4 | 64.2 | 64.8 | 66.4 | 64.1 | 65.8 | 64.1 | 55.7 | 58.4 |
| <i>Baseline Results: XNLI Multilingual Sentence Encoder (Our Implementation - Test Acc %)</i> | | | | | | | | | | | | | | | |
| X-BiLSTM-max | 70.1 | 64.6 | 62.1 | 61.2 | 59.3 | 58.2 | 58.7 | 59.4 | 58.1 | 58.5 | 56.3 | 55.7 | 56.2 | - | - |
| <i>Model Results: XNLI Multilingual Sentence Encoder + Discriminator (Test Acc %)</i> | | | | | | | | | | | | | | | |
| X-BiLSTM-max | 70.1 | 65.0 | 63.7 | 61.5 | 59.7 | 58.1 | 59.0 | 58.3 | 58.6 | 60.0 | 57.1 | 56.6 | 55.9 | - | - |

Table 1: Cross-lingual natural language inference (XNLI) test accuracy for 13 languages.