

# Ways of Adding Linguistic Annotation

- Construct network structure along linguistic structure.
  - ~ What we discussed in Syntax in SMT.
    - Tree-LSTMs.
    - Graph-Convolutional Networks.
    - ... Source information only.
- Enrich information at each token.
  - ~ What we discussed in Morphology in SMT.
    - Factors on the source side.
    - Multi-Task on the target side.
- Improve attention using linguistic annotation.
  - Attention calculation respecting syntax.
  - Attention forced to reflect syntax in multi-task.