

Multi-space Variational Encoder-Decoders for Semi-supervised Labeled Sequence Transduction

1 Main Idea

The general idea [1] seems similar to style-transfer in text. Labeled sequence transduction is just a roundabout way of saying that a source text $x^{(s)}$ is to be transformed into a target text $x^{(t)}$ such that $x^{(t)}$ is conditioned on the labels $y^{(t)}$.

2 Background

- The morphological reinflection problem tries to change a sequence of characters of an inflected word. For example, convert "playing" into "played", given a set of labels $y^{(t)}$ such that $y_{pos}^{(t)} = verb$ and $y_{tense}^{(t)} = past$

3 Method

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4 Observations

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References

- [1] Chunting Zhou and Graham Neubig. Multi-space variational encoder-decoders for semi-supervised labeled sequence transduction. *arXiv preprint arXiv:1704.01691*, 2017.