

# Notes on NLP

## Papers / Websites

- The Annotated Transformer (Harvard): <http://nlp.seas.harvard.edu/2018/04/03/attention.html>
- Attention Is All You Need (original paper): <https://arxiv.org/abs/1706.03762>
- Distilling the Knowledge in a Neural Network: <https://arxiv.org/abs/1503.02531>
- Well-Read Students Learn Better: On the Importance of Pre-training Compact Models: <https://arxiv.org/abs/1908.08962>
- TensorFlow Hub: <https://tfhub.dev/>
- Google Research, BERT - Smaller Models on Git: <https://github.com/google-research/bert>
- BERT: Pre-training of Deep Bidirectional Transformers for Language Understanding: <https://arxiv.org/pdf/1810.04805.pdf>

## Websites

-  Getting meaning from text: self-attention step-by-step video (Romain Futrzynski): <https://peltarion.com/blog/data-science/self-attention-video>
-  The Illustrated Transformer (Jay Alammar): <http://jalamar.github.io/illustrated-transformer/>
-  Paper Dissected: "Attention is All You Need" Explained: <https://mlexplained.com/2017/12/29/attention-is-all-you-need-explained/>
- Speech and Language Processing, Dan Jurafsky and James H. Martin (3rd ed. draft): <https://web.stanford.edu/~jurafsky/slp3/>

## Videos

- RNN W3L08 - Attention Model (Andrew Ng): <https://www.youtube.com/watch?v=FMXUkEbjf9k&feature=youtu.be>
- Attention is all you need; Attentional Neural Network Models | Łukasz Kaiser | Masterclass: <https://www.youtube.com/watch?v=rBCqOTefxvg&feature=youtu.be>
- Transformer Neural Networks - EXPLAINED! (Attention is all you need) (CodeEmporium): <https://www.youtube.com/watch?v=TQQIZhbC5ps&feature=youtu.be>
- Attention in Neural Networks (CodeEmporium): <https://www.youtube.com/watch?v=W2rWgXJBZhU&t>
-  [Transformer] Attention Is All You Need | AISC Foundational (Joseph Palermo (Dessa)): [https://www.youtube.com/watch?v=S0KakHcj\\_rs&feature=youtu.be](https://www.youtube.com/watch?v=S0KakHcj_rs&feature=youtu.be)
- Ivan Bilan: Understanding and Applying Self-Attention for NLP | PyData Berlin 2018: <https://www.youtube.com/watch?v=OYyGPG4d9H0&feature=youtu.be>

-  Transformer (Attention is all you need)(Minsuk Heo):  
<https://www.youtube.com/watch?v=z1xs9jdZnuY&feature=youtu.be>
-  Self-attention step-by-step | How to get meaning from text | Peltarion Platform (Romain Futrzynski):  
[https://www.youtube.com/watch?v=-9vVhYEXeyQ&feature=emb\\_logo](https://www.youtube.com/watch?v=-9vVhYEXeyQ&feature=emb_logo)

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