Review: Transformers

The *Transformer* is a Neural Network architecture for processing sequences.

Among the many sequences of interest to us

- Word sequences: Natural Language Processing (NLP)
- Timeseries

The Transformer is an important advance over other architectures for sequences

- Recurrent Neural Network (RNN)
- LSTM

It derives a lot of its power from the *Attention* mechanism.

Attention

- [Attention: motivation (Intro_to_Attention.ipynb)](#)
- [Implementing Attention (Attention_Lookup.ipynb)](#) **Deferred**

Advanced

- [What does BERT look at ? (Attention_What_Does_BERT_Look_At.ipynb)](#)

Transformers

- [Transformer (Transformer.ipynb)](Transformer.ipynb)

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In [2]: print("Done")
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Done