Language data

Representing sentences

- Word vectors can be concatenated to represent phrases/sentences
- These concatenated vectors encode the phrase by preserving the context of individual words and the temporal correlation of words
- Extends to other types of sequence data (eg. DNA/RNA, amino acid sequences)

$$\begin{bmatrix} 100 \\ 2 \\ \vdots \\ 240 \end{bmatrix} \begin{bmatrix} 20 \\ 804 \\ \vdots \\ 102 \end{bmatrix} \begin{bmatrix} 1 \\ 2 \\ \vdots \\ 12 \end{bmatrix} \begin{bmatrix} 490 \\ 29 \\ \vdots \\ 300 \end{bmatrix} \begin{bmatrix} 0 \\ 0 \\ \vdots \\ 0 \end{bmatrix}$$

My name is David.

Case Study: The Protein Folding Problem and the AlphaFold System