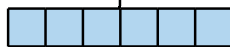


Target

$\mathbb{1}(\text{"high"})$   
 $w_t$

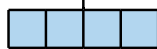
Prediction



Softmax

$$\mathbf{W}' \in \mathbb{R}^{h \times |V|} \text{ or } \mathbf{W}' \in \mathbb{R}^{(c \cdot h) \times |V|}$$

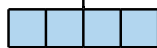
Average or Concatenate



$$\mathbf{D} \in \mathbb{R}^{|D| \times h}$$



$$\mathbf{W} \in \mathbb{R}^{|V| \times |h|}$$



$$\mathbf{W} \in \mathbb{R}^{|V| \times |h|}$$



$$\mathbf{W} \in \mathbb{R}^{|V| \times |h|}$$



$$\mathbf{W} \in \mathbb{R}^{|V| \times |h|}$$

$\mathbb{1}(\text{Document ID})$

$\mathbb{1}(\text{"patient"})$

$\mathbb{1}(\text{"diagnose"})$

$\mathbb{1}(\text{"blood"})$

$\mathbb{1}(\text{"pressure"})$

$w_{t-2}$

$w_{t-1}$

$w_{t+1}$

$w_{t+2}$