

Feed-forward neural network

$$l = \text{mean}_i \left(\sqrt{(y_i - \tilde{y}_i)^2} \right) : 1$$

mean square error

$$\tilde{\mathbf{y}} = \mathbf{W}\mathbf{z}' : 1$$

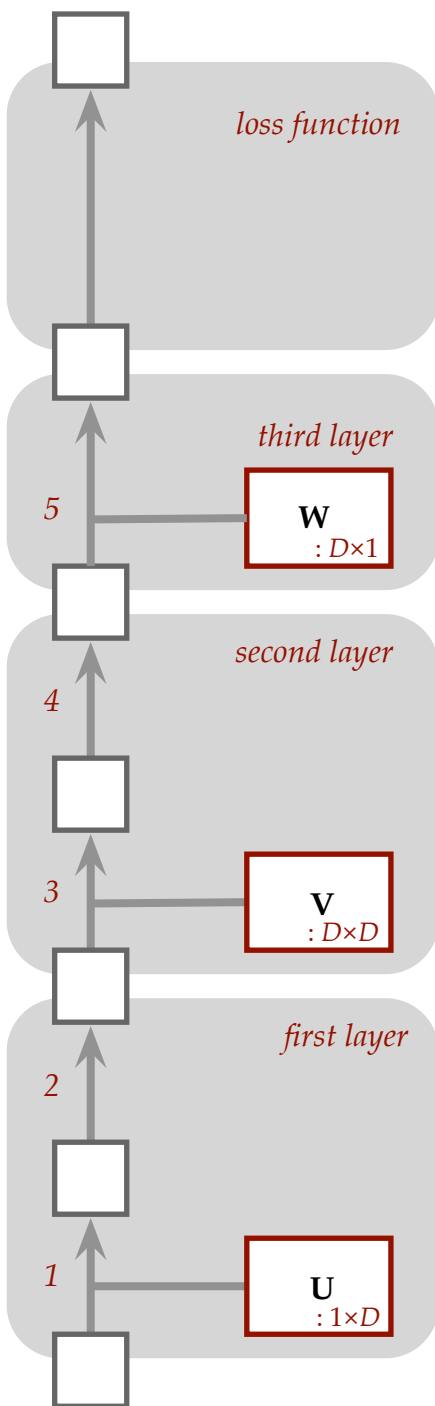
$$\mathbf{z}' = \sigma(\mathbf{V}\mathbf{z}) : D$$

$$\mathbf{V}\mathbf{z} : D$$

$$\mathbf{z} = \sigma(\mathbf{U}\mathbf{x}) : D$$

$$\mathbf{U}\mathbf{x} : D$$

$$\mathbf{x} : 1$$



calculation
: shape

sublayers

layers

model
parameters