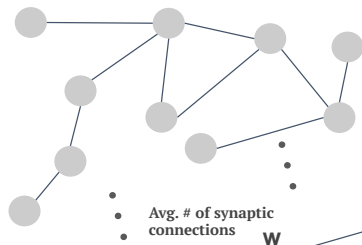


Connectome Data



Post-type Neuron Gene Expression Levels

$$\begin{bmatrix} v_1 \\ v_2 \\ \vdots \\ v_n \end{bmatrix}$$

$$\begin{bmatrix} u_1 \\ u_2 \\ \vdots \\ u_n \end{bmatrix}$$



Pre-type Neuron Gene Expression Levels

$$\begin{bmatrix} u_1 & \dots & u_n & v_1 & \dots & v_n \end{bmatrix}$$

Concatenated Feature Vector

Fig. 2. A visual representation of our data representation procedure used to convert the transcriptome and connectome data into an acceptable data format for our models.