

Figure 10.6: Illustration of teacher forcing. Teacher forcing is a training technique that is applicable to RNNs that have connections from their output to their hidden states at the next time step. (Left)At train time, we feed the correct output $\mathbf{y}^{(t)}$ drawn from the train set as input to $\mathbf{h}^{(t+1)}$. (Right)When the model is deployed, the true output is generally not known. In this case, we approximate the correct output $\mathbf{y}^{(t)}$ with the model's output $\mathbf{o}^{(t)}$, and feed the output back into the model.