Output

Response time: $\mathbf{x^{rt}_{shifted}} = \{x^{rt}_1, ..., x^{rt}_{T_l}\}$

Structural spans: $\mathbf{x^{text}_{shifted}} = \{x^{text}_1, ..., x^{text}_{T_l}\}$

| LSTM block | Hidden states | LSTM block | $\cdots$ | LSTM block |

Stacked layers

H_0 H_1 H_{T_l}

| LSTM block | Hidden states H_j, C_j | LSTM block | $\cdots$ | LSTM block |

Response time: $\mathbf{x^{rt}} = \{x^{rt}_1, ..., x^{rt}_{T_l}\}$

Structural events: $\mathbf{x^{text}} = \{x^{text}_1, ..., x^{text}_{T_l}\}$

Input