Conditud lugge model

$$\begin{cases} P(Y), & \text{when } Y = (y_1, y_2 - y_7) \\ \cdots \\ P(Y|X) & \text{when } X = (x_1, x_2, \cdots, x_{7'}) \end{cases}$$

Madere translati

$$\begin{array}{ll} p(ye) \ y(x,x) & \text{consult.} \\ . \ lnput: \ (y_1\cdots,y_{t-1}) + (x_1,x_1,\cdots,x_{T_X}) \\ . \ output: \ y_t \in V_Y = V \end{array}$$

Sutskeven et al. [26/4] enooder - decoder

Enoodn: LSTM network

- e(xe) 612d for all t=1..., Tx

(e(x,), e(x,), ---, e(x,))

Decoder: LSTM network

$$(e(y_{i}), e(y_{i}), \dots, e(y_{t-1}))$$

$$\rightarrow h_{T_{X}} \rightarrow (x_{1}m) \rightarrow (x_{1}m) \rightarrow \dots \rightarrow x_{t}$$

$$= G(x_{1}, x_{t}, y_{t}, \dots, y_{t-1})$$

Bohdanan et al. [2014].

Encoder: bidirectual GIRU/LSTM netuck.

$$(e(x_1), e(x_1), \dots, e(x_{T_X}))$$

$$(fu) + (fu) + \dots + (fu)$$

$$(fu) + (fu) + \dots + (fu)$$

uniderated GRU (LSTM) network (ely,1, e(y,),.., e(y+1)) GRU - GRY - ... ATTENTION) GRN = G(K1.... XTK1 Y11... 14-1) MIX e(yen) 1 den into Q=mix(e(yen) 1741) Ver= Kt = ht, t'c1,... Tx 3) de despy QTKer} Softman To Z = Z de he

Generation

Agrace Log plylx)

YEL

Plylx) = it plyelyce. X)

Yel

Greedy decody

Ye = agrace Log plyel Yee. X 7

Ye ev

hyse yet = of top-k (k-1,..., 1v1)

losp(yk |x | + los p(yt=ilyk, x)