Dual n-gram LM STATE OF THE STATE

Ensuring a unique play for any sequence of tokens and to

model it as a probability distribution

$$P_{1}[\langle/s\rangle \mid \langle s\rangle] = P_{2}[\langle/s\rangle \mid \langle s\rangle] = 0$$

$$P_{1}[\langle sw\rangle \mid \langle s\rangle] + P_{2}[\langle sw\rangle \mid \langle s\rangle] = 1$$

$$P_{1}[\langle sw\rangle \mid \langle sw\rangle] = P_{2}[\langle sw\rangle \mid \langle sw\rangle] = 0$$

$$P_{1}[\langle/s\rangle \mid \langle sw\rangle] = P_{2}[\langle/s\rangle \mid \langle sw\rangle] = 0$$

$$(3)$$

Dual n-gram LM

Ensuring a unique play for any sequence of tokens and to model it as a probability distribution

$$P_1[\langle /s \rangle \mid \langle s \rangle] = P_2[\langle /s \rangle \mid \langle s \rangle] = 0 \tag{1}$$

$$P_1[\langle \mathtt{sw} \rangle \mid \langle \mathtt{s} \rangle] + P_2[\langle \mathtt{sw} \rangle \mid \langle \mathtt{s} \rangle] = 1 \tag{2}$$

$$P_1[\langle \mathtt{sw} \rangle \mid \langle \mathtt{sw} \rangle] = P_2[\langle \mathtt{sw} \rangle \mid \langle \mathtt{sw} \rangle] = 0 \tag{3}$$

$$P_1[\langle /s \rangle \mid \langle sw \rangle] = P_2[\langle /s \rangle \mid \langle sw \rangle] = 0 \tag{4}$$

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