

Sequence to sequence models

Refinements to beam search

Length normalization
$$P(y^{(s)}, y^{(t)}) = P(y^{(t)}|x, y^{(t)}) = P(y^{(t)}$$

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Beam search discussion

large B: better result, slower small B: worse result, faster

Beam width B?

Unlike exact search algorithms like BFS (Breadth First Search) or DFS (Depth First Search), Beam Search runs faster but is not guaranteed to find exact maximum for arg max P(y|x).