



THE OHIO STATE UNIVERSITY

Hashtag Segmentation Challenges (C1): Difficult to identify rare tokens. (C2): Multiple segmentations look promising. Standard **Non-Standard** Muscle Developer *#twitterlove* #2gether4eva ALC: N. PARAGE \rightarrow Events 43% *#ipv6summit* 32% **Named-Entities** #Lionhead

- modified Kneser-Ney smoothing.
- Urban Dictionary, word-shapes etc.



Multi-task Pairwise Neural Ranking for Hashtag Segmentation

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$$L_{MSE} = \frac{1}{m} \sum_{i=1}^{m} (g^{*(i)}(s_a, s_b) - g_{ab})$$



95

92.5

90

87.5

85

62.5

60

57.5

55

Helps with downstream tasks