A training example

Tweet 1: How do preseason stars fare during the regular season? [link] Some scoring stats there.

Tweet 2: In the last decade, Melo and Kobe are the only two to lead the NBA in scoring in both preseason and regular season. [link]

Hypothesis bank

Hypothesis 1: Tweets with imperative commands like \"RT this\" are more likely to be retweeted as they directly ask people to retweet. Reward=0.71

Hypothesis 2: Tweets with more information, context, or detailed explanations tend to get more retweets than very short or cryptic tweets. Reward=0.66

Hypothesis 3: Tweets that create a sense of urgency or excitement by using words like \"now\", \"today\", \"tonight\", \"fastest\", \"seriously\", \"excited\" are more likely to be retweeted. Reward=0.64

Hypothesis 4: Tweets that include a link are less likely to be retweeted. Reward=0.32

. . .

Top k

Hypothesis-based Inference

Reward Update

if prediction is wrong

Wrong example bank

Tweet 1: How do preseason stars fare during the regular season? [link] Some scoring stats there.

Tweet 2: In the last decade, Melo and Kobe are the only two to lead the NBA in scoring in both preseason and regular season. [link]

New hypothesis: Tweets with named entities like people, places, or organizations tend to get more retweets by being more specific. Reward=0.83

Hypothesis Generation