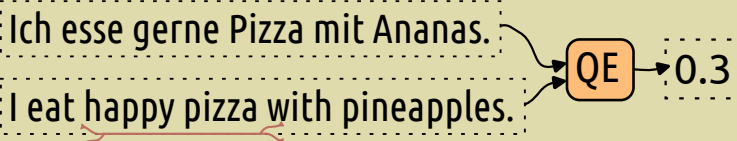


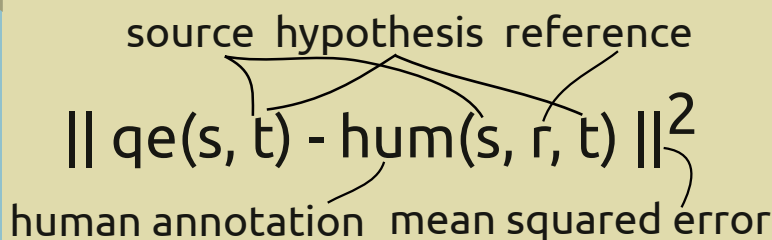
# Poor Man's Quality Estimation

Predicting Reference-Based MT Metrics Without the Reference

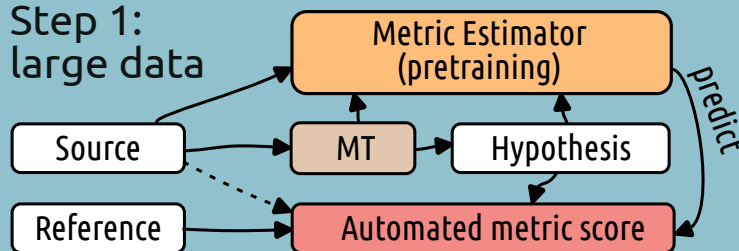
## What's QE?



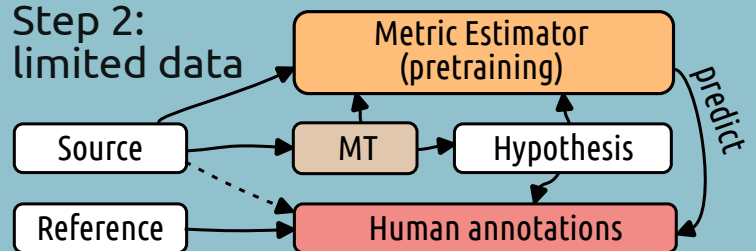
## How do we train QE?



### Step 1: large data

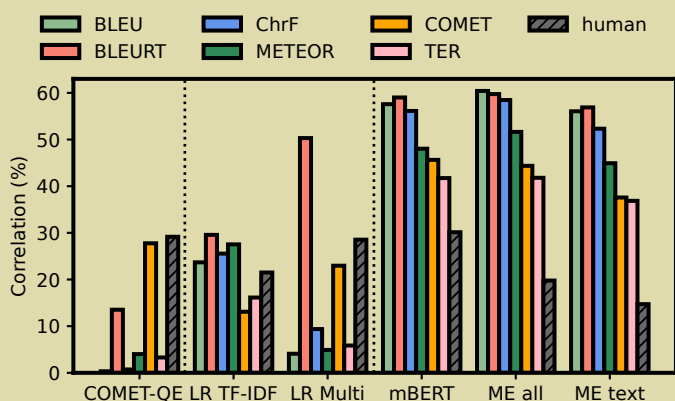


### Step 2: limited data



## Are metrics predictable?

Yes.



## Is this pretraining useful?

A little bit.

Training on human data only: 19.8%  
Pretraining on TER and finetuning on humans: 22.8%

## What else is in the paper?

Transferability of QE across MTs

Synthetic data from beam search

Analysis of what contributes to metric predictability

## What's next?

Going beyond MT  
Complexity & fluency estimation

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