BLEU Score

Unigram precision =
$$\frac{\text{Num word matches}}{\text{Num words in generation}} = \frac{4}{5}$$

I have thirty six years I am thirty six years old

Machine generated translation Human reference translations

Unigram precision =
$$\frac{\text{Num word matches}}{\text{Num words in generation}} = \frac{5}{5}$$

six six six six

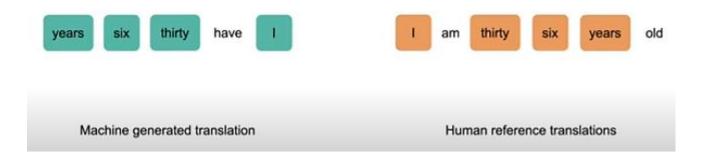
Machine generated translation

Human reference translations

thirty

$$\mbox{Modified unigram precision} = \frac{\mbox{Clip(Num word matches)}}{\mbox{Num words in generation}} = \frac{1}{5}$$

Word ordering problem



- Does not retain the word order
- Compute precision for several order ngrams and then averages the result

