

Model Description

- Aim is to estimate p(Q | M_d), probability of the query given the language model of document d.
- They define maximum likelihood estimate of the probability of term t

$$\hat{p}_{ml}(t|M_d) = \frac{tf_{(t,d)}}{dl_d}$$

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Results

- On the eleven point recall/precision:
 - The language modeling approach achieves better precision at all levels of recall.
 - Most of the improvements are statistically significant according to *Wilcoxon* test.

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