

Learning to Rank

- General solution in optimization framework
 - Input: $\{((q_i, d_1), y_1), ((q_i, d_2), y_2), \dots, ((q_i, d_n), y_n)\}$, where $d_n \in R^N, y_i \in \{0, \dots, L\}$
 - Object: $O = \{P@k, MAP, NDCG\}$
 - Output: $f(q, d) \rightarrow Y$, s.t., $f = \operatorname{argmax}_{f' \subset F} O(f'(q, d), Y)$

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