

Take advantage of different relevance estimator?

- Ensemble the cues

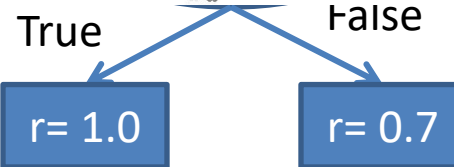
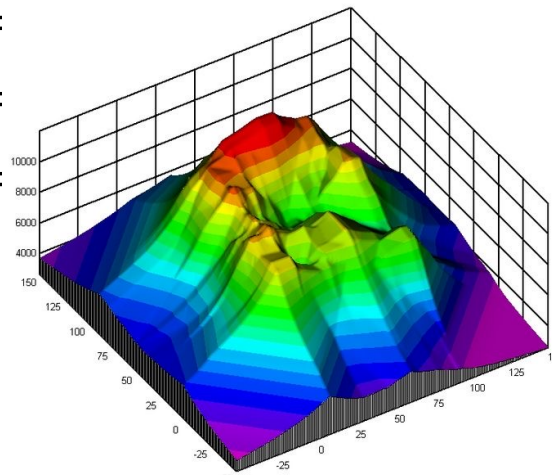
- Linear?

- $\alpha_1 \times BM25 + \alpha_2 \times LM + \alpha_3 \times PageRank + \alpha_4 \times HITS$

Non-linear?

Decision tree

$\{\alpha_1 = 0.1, \alpha_2 = 0.1, \alpha_3 =$



$= 0.20, NDCG = 0.6$

$= 0.12, NDCG = 0.5$

$= 0.18, NDCG = 0.7$

