

Empirical Utility Optimization

- Basic idea
 - Compute the utility on the training data for each candidate score threshold
 - Choose the threshold that gives the maximum utility on the training data set
- Difficulty: Biased training sample!
 - We can only get an upper bound for the true optimal threshold
 - Could a discarded item be possibly interesting to the user?
- Solution:
 - Heuristic adjustment (lowering) of threshold