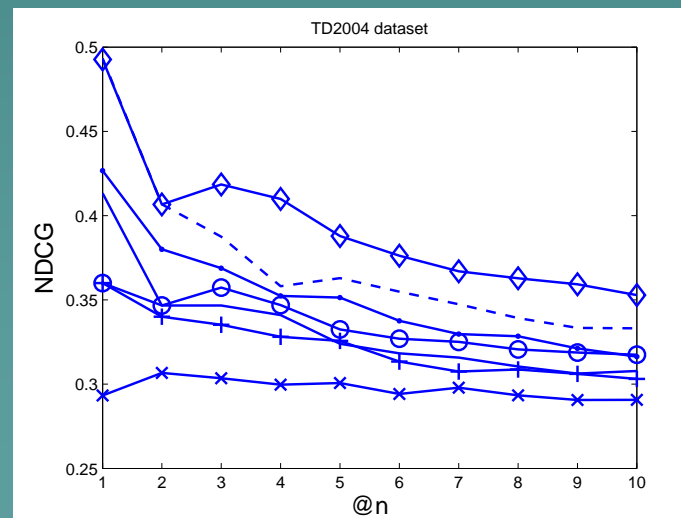
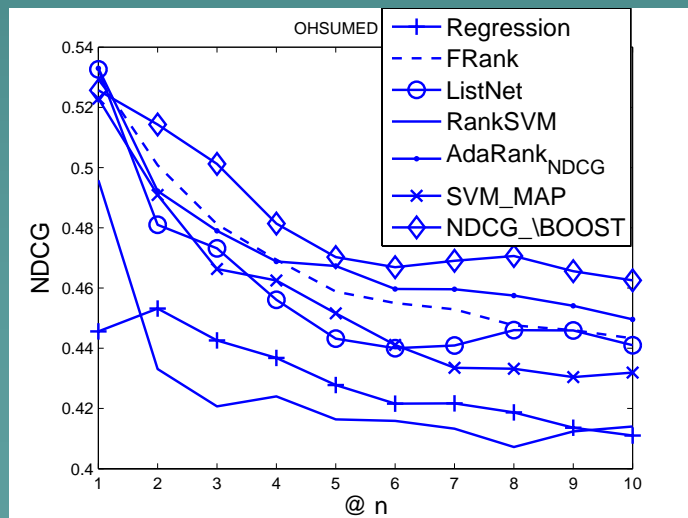


# Learning to Rank by Optimizing NDCG Measure

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- ◆ **Objective:** Optimizing NDCG measure
- ◆ **Challenge:** NDCG measure is non-continuous and non-differentiable function
- ◆ **Solution:** Optimizing the expected value of NDCG measure using bound optimization strategy
- ◆ **Results:** The proposed algorithm (i.e., **NDCG\_Boost**) outperforms many state-of-the-art learning to rank algorithms



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344