

# Ranking Problems

[with Freund, Iyer & Singer]

- other problems can also be handled by reducing to binary
- e.g.: want to learn to **rank** objects (say, movies) from examples
- can **reduce** to multiple **binary** questions of form:  
*“is or is not object A preferred to object B?”*
- now apply (binary) AdaBoost  $\Rightarrow$  **RankBoost**