Class Probability and Ranking Models

Class Probability

Classification Performance Measures

Classification performance can be measured in several ways

Do we care more for one class than the other?

Do we want to rank the instances according to their probability of belonging to the positive class?

Do we want to be able to explain the reasons for our classification?

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Do we want to be ...

Ranking Models

Expected Value: A Key Evaluation Framework

Cost Sensitive Learning

Class Probability Estimation Methods