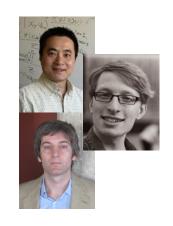
Poster: Thu15

Optimal Teaching for Limited-Capacity Human Learners

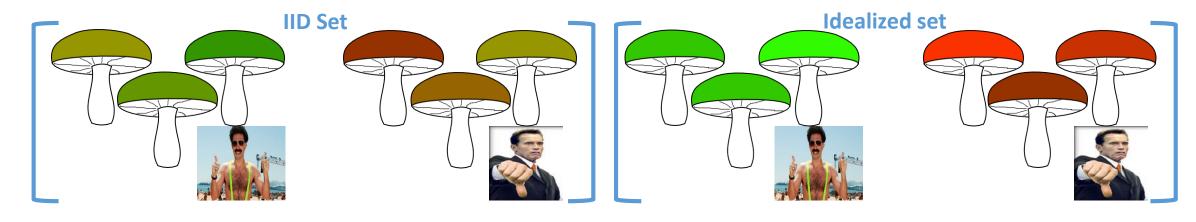


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Which training set will help a human learner the most during test?

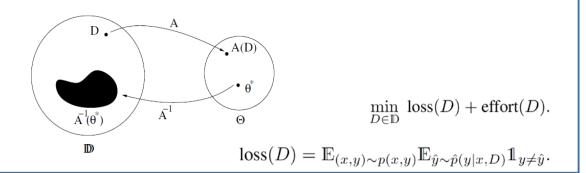
Poster: Thu15

Human category learning & optimal teaching



Optimal teaching

- Identify a teaching set given a hypothesis to be taught to a learner.
- A tractable solution for teaching GCM



Optimal teaching for limited-capacity learner

- The optimal sets tend to be non-IID
- Humans perform significantly better on the Clump-Far compared to IID Random sets
- Human performance pattern adds further evidence of low-capacity account of human learning
- Lower test inconsistency on the Clump-Far set

