

Basic metadata acquisition

- data preparation (TV program guide parsing)
- extraction of metadata from online movie databases CSFD and IMDB (genres, directors, actors, descriptions, countries ...)
- mapping on entities in Linked Open Data Space (DBpedia and Freebase)

Main goal

Enrich TV program guide with new high quality metadata to enable better personalized recommendation of TV program guide items.

Documentary movies classification

- dataset creation (more than 50 000 documentary movies)
- SVM model Training
- automatic classification

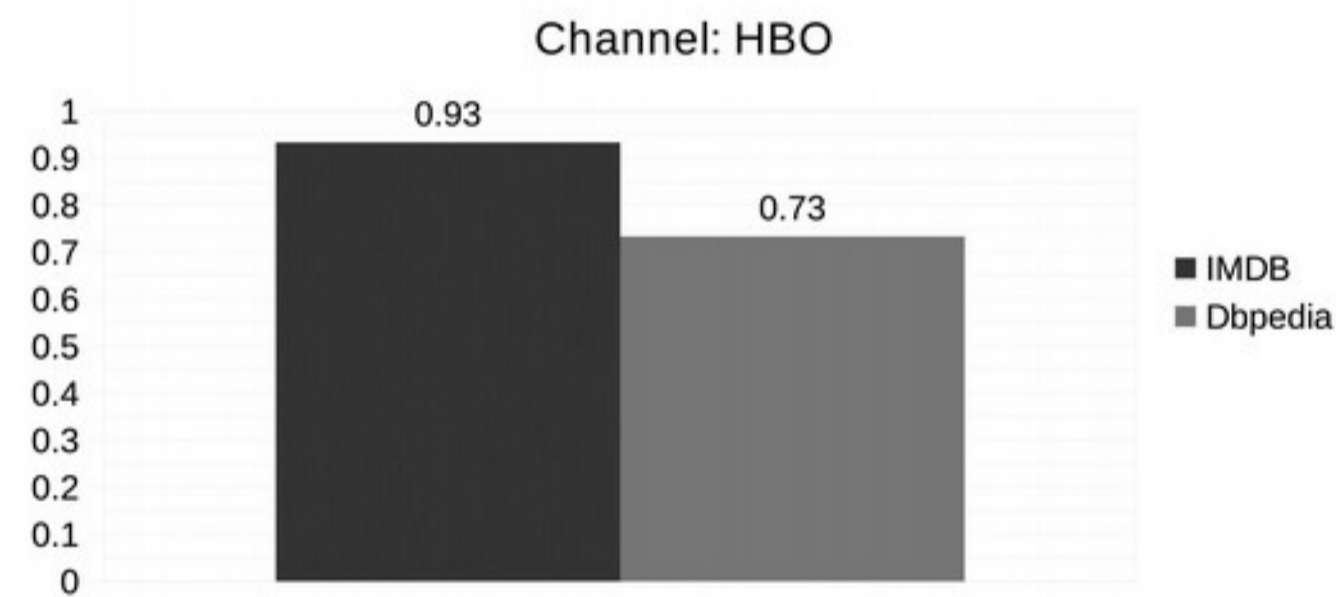


Fig. 1.: HBO channel items statistics

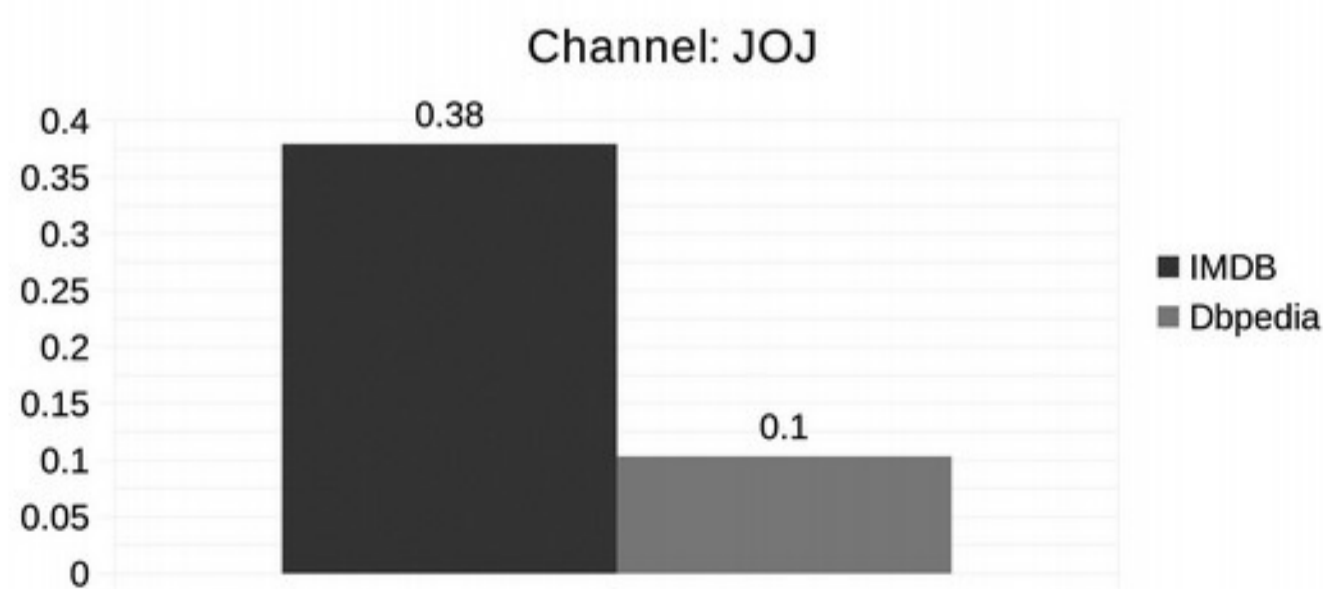
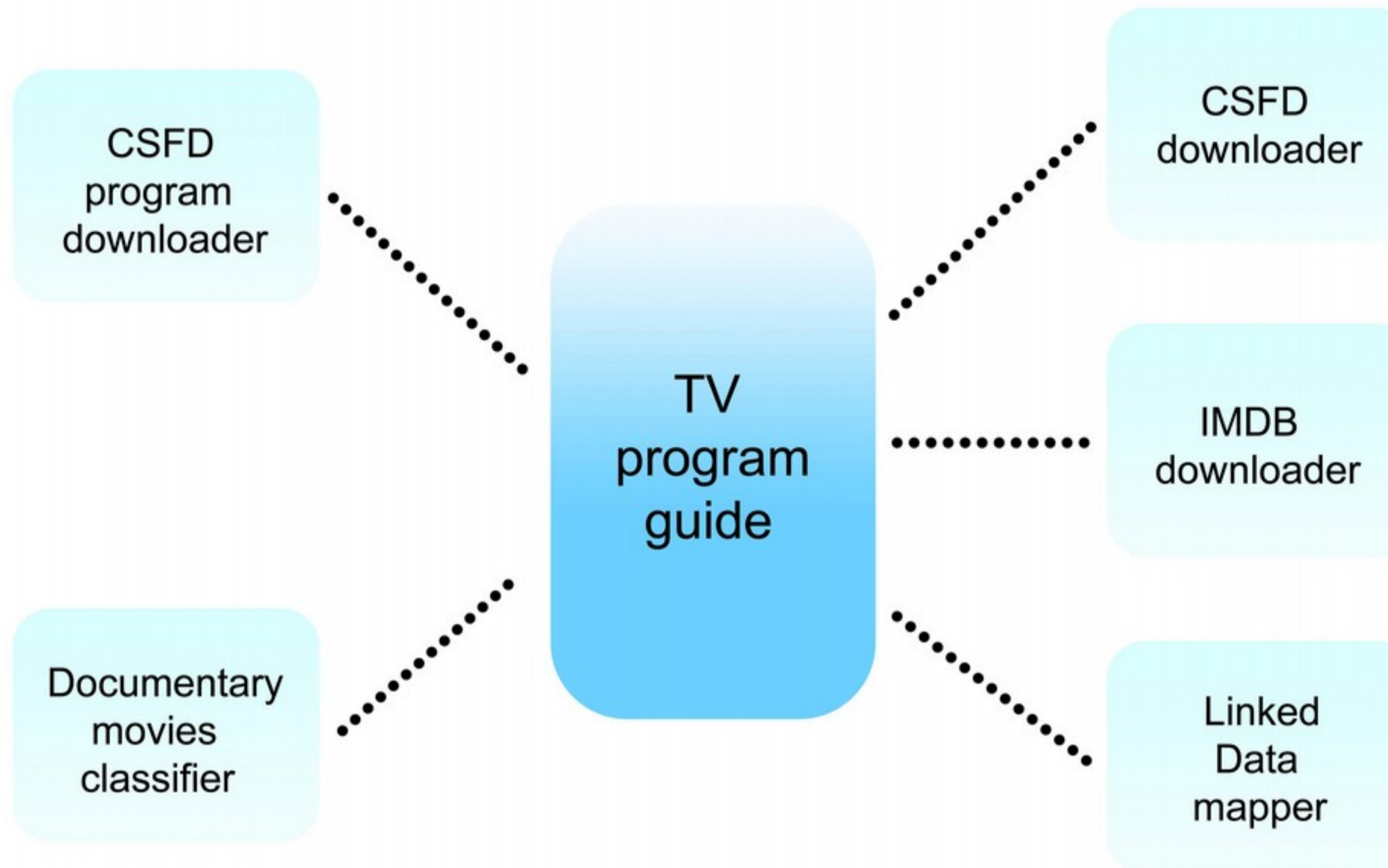


Fig. 2.: JOJ channel items statistics



- Technology
- Science
- Nature
- Geography
- Environment
- Health
- Economics
- Politics
- Society
- Culture
- Philosophy
- History
- Military and War
- Comedy
- Sports
- Mystery
- Catastrophic
- Animals
- Adventure
- Traveling
- Drugs
- Crime
- Biography
- Religion
- Psychology
- Art and Artists
- Conspiracy
- Media
- Housing
- I can't do this

Fig. 3.: List of possible categories

Crowdsourcing experiment with eye-tracking

- 18 participants classifying documentary movies (created training dataset of 135 classified unique movies)
- eye-tracking for the purpose of collecting data for later analysis

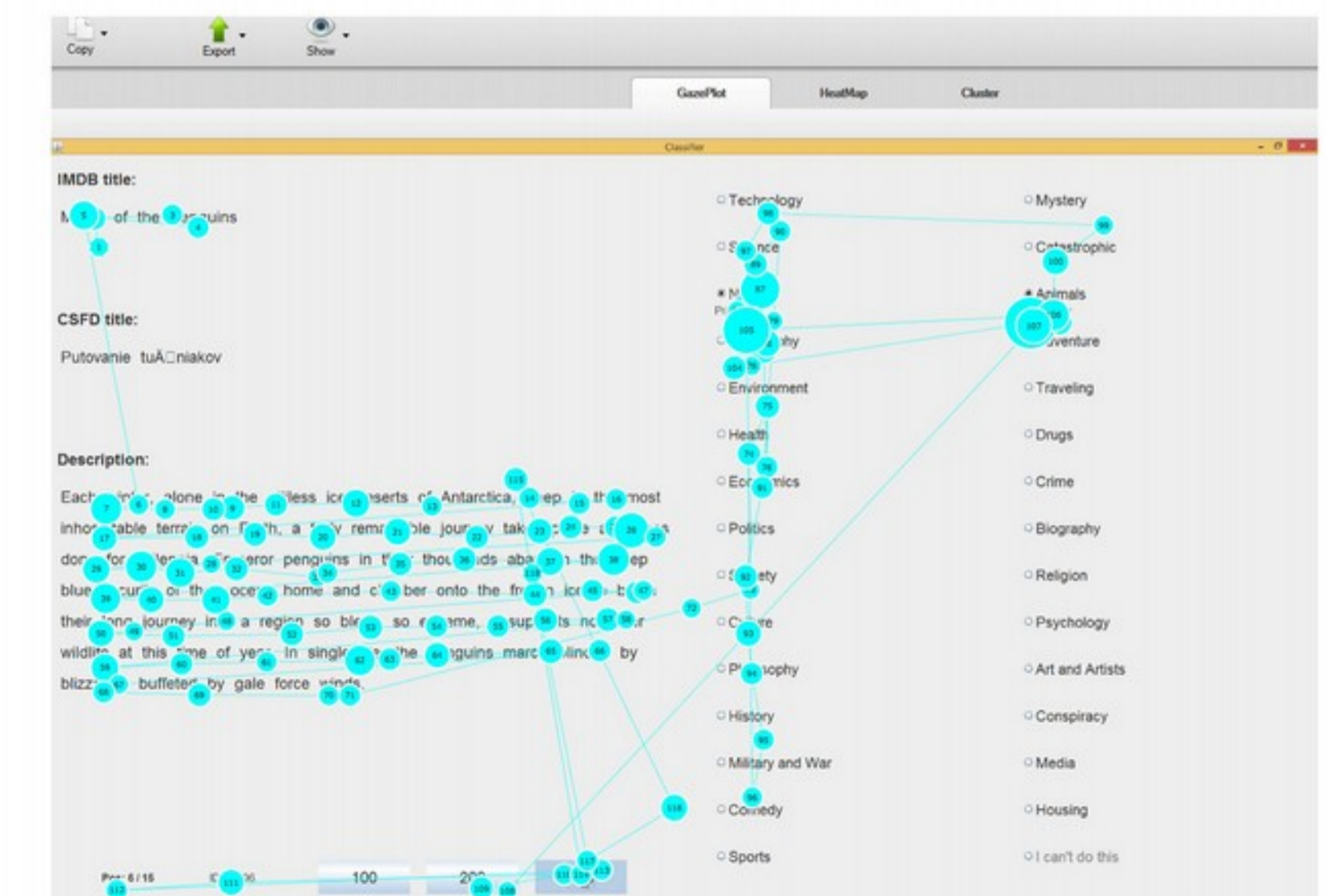


Fig. 4.: Classification app + eye-tracking output