

Recommender System Platform for the Montreux Jazz

Semester or Master project

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Description

The Montreux Jazz Festival is the second largest annual jazz event in the world. Since its first edition, the festival has accumulated over 5000 hours of audio-visual recordings. This archive is registered since 2013 in the UNESCO Memory of the World.

At the AI lab, we have created models for multimedia recommendations and developed an efficient learning algorithm which recommends items to users based on their behaviour.

So far, approaches for recommendations of Montreux Jazz items have mainly focused on content-based system. We would like to extend the content-based approach to take into account user's browsing behaviours.

Thus, the goal of this project is first to adjust our recommender techniques to take into account Montreux Jazz archives meta-data, and then create a platform for browsing the archive and generating relevant recommendations to enhance the user's experience.

In this project, you will collaborate with the Metamedia Center¹ which is in charge of the Montreux Jazz archive.

Tasks

1. Adjust our recommender system models to take into account Montreux Jazz's unique meta-data.
2. Implement a platform for browsing the Montreux Jazz archive.
3. (if time permit) Evaluate different approaches of recommendations.

¹<http://metamedia.epfl.ch>