Smart Book Recommender | Evaluation Data

This compressed zip file contains all the data regarding the evaluation study of the Smart Book Recommender (SBR). SBR is a semantically enhanced recommendation engine, developed in collaboration with Springer Nature (SN), for suggesting Springer books, journals and conference proceedings for conferences. SBR characterises conferences in terms of the topics covered in their proceedings and applying cosine pairwise similarity computation to produce a set of recommendations.

We evaluated SBR on Springer conference series in the field of Computer Science with the help of seven publishing editors and seven researchers from The Open University. The evaluation consisted of two parts:
1) A quantitative analysis, which focused on analysing how evaluators rated each SBR recommendations for two conference series of their choosing.
2) A qualitative analysis, which focused on analysing the answers of the surveys that the evaluators completed after a hands-on session with SBR.

This compressed file contains the following two CSV files: i) Quantitative - Recommendation Ratings, and ii) Qualitative - Survey Responses. Below we describe the datasets.

Quantitative data - Recommendation Ratings

These are the fields that are present in the file, from left to right:

1. SBR identifier for conference series that evaluators chose
2. SBR identifier for recommended publication
3. Ranking of the recommended publication
4. Timestamp of when the user submitted their rating
5. Rating

   Each class of feedback was mapped to numerical values as described below:

   a. When an editor clicked “Bring it” -> 11
   b. When an editor clicked “Relevant” -> 12
   c. When an editor clicked “Debatable” -> 13
   d. When an editor clicked “Irrelavant” -> 14
   e. When a researcher clicked “Read it” -> 22
   f. When a researcher clicked clicked “Relevant” -> 23
   g. When a researcher clicked clicked “Debatable” -> 24
   h. When a researcher clicked clicked “Irrelavant” -> 25

Qualitative data - Survey Responses

Every column contains a question from the survey and the responses. All personal information has been stripped away from this document. The answers to the System Usability Scale (SUS) questions has been mapped to a scale from 1 to 5, where 1 is the most negative assessment and 5 the most positive.

For any question about SBR and the evaluation, please contact thiviyan (dot) thanapalasingam (at) open (dot) ac (dot) uk, or francesco (dot) osborne (at) open (dot) ac (dot) uk.