

PROJECT PROPOSAL

Problem to solve

Nowadays, in this global world there is a vast number of things to select, where people might be lost. That is the case at the moment of choosing the next book to read. That's why this project proposal is a book recommender system to help people choose better among a huge set of options.

The provided solution will be valuable since a recommender system can be useful in different ways and also it can be replicated for other topics like music, movies, retail items, etc.

The data source

Originally, I found the data source at Kaggle website, but it was obsolete. The current version is in [github](#) and data source is composed by three csv files that I can download in a few seconds.

Solution Technique

For developing this project, I am planning to use Restricted Boltzmann Machines, a common form of neural network with two layers, the first one is the inputs or visible nodes and, the second one is the hidden layer which is the new set of derived features.

Challenges

The biggest challenge I'll probably face, it is going to be the fact I have never done a similar project before but there is a good documentation outside, books, serious blogs and magazines that I can use to complete my project successfully.