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# Reference Paper Title:

Authorship Identification for Literary Book Recommendations

# Authors:

Haifa Alharthi, Diana Inkpen, Stan Szpakowicz

# Summary of the paper in your own words:

Recommender systems (RSs) are useful for internet users who may find it hard to choose from the multitude of available products and services. RSs predict how likely the target user is to be interested in an item which might have been unknown to her. In this work, They consider book recommender systems, which could be useful in libraries, schools, and on e-learning portals.

It was expected reading for pleasure would become widespread, but statistics demonstrate the opposite. It is declining, particularly among young people.

In this paper authors writing styles was considered,yet it is learned from the online reviewers point of view and not automatically from the textual content of books.

To overcome spatial distribution issue,every author is represented in hierarchical structure which consists of four layers. First layer is reserved for author’s related information and remaining 3 layers are dedicated to author’s books,pages of every

book, and paragraphs on each page. To recommend books , the system considers the last three layers.

A simple CNN model was used from (Solorio et al., 2017) and modified the network by adding a dense layer which helps extract book AuthId features.

# Work done so far:

We have gone through the paper few times. As the data set is incorporated from two different data sets, it is not available online. We have sent mail to author’s requesting for the data set and waiting for their reply. We have got one part of the data set which is available online. We are also learning how the CNN model works based on some tutorials in online.

# Work Plan:

|  |  |
| --- | --- |
| Name | Responsibilities |
| Venkata Datta Kamesam | Data set collection and  CNN Model |
| Bhuvanesh Chowdary Nagabyru | Data set collection & processing  and Tuning |
| Omkar Vuddanti | Collection of Dataset and  CNN model |
| Nikhil Kumar Guthi | Data pre-processing and  Tuning model |

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| --- | --- |
| MID 1 | Data set collection and preprocessing |
| MID 2 | Create CNN model |
| FINAL | Tuning and book recommendations |