Book Recommendation and Classification

Submitted by –

Jaya Krishna

Mithun Phadnis

Mukhar Gupta

Sumedh Khandeparkar

Varun Vohra

Objective

- To build a model which will recommend books to users based on their interests and previous choices
- Aligns to other users with similar interests and makes appropriate suggestions to enhance their reading experience

About the Dataset

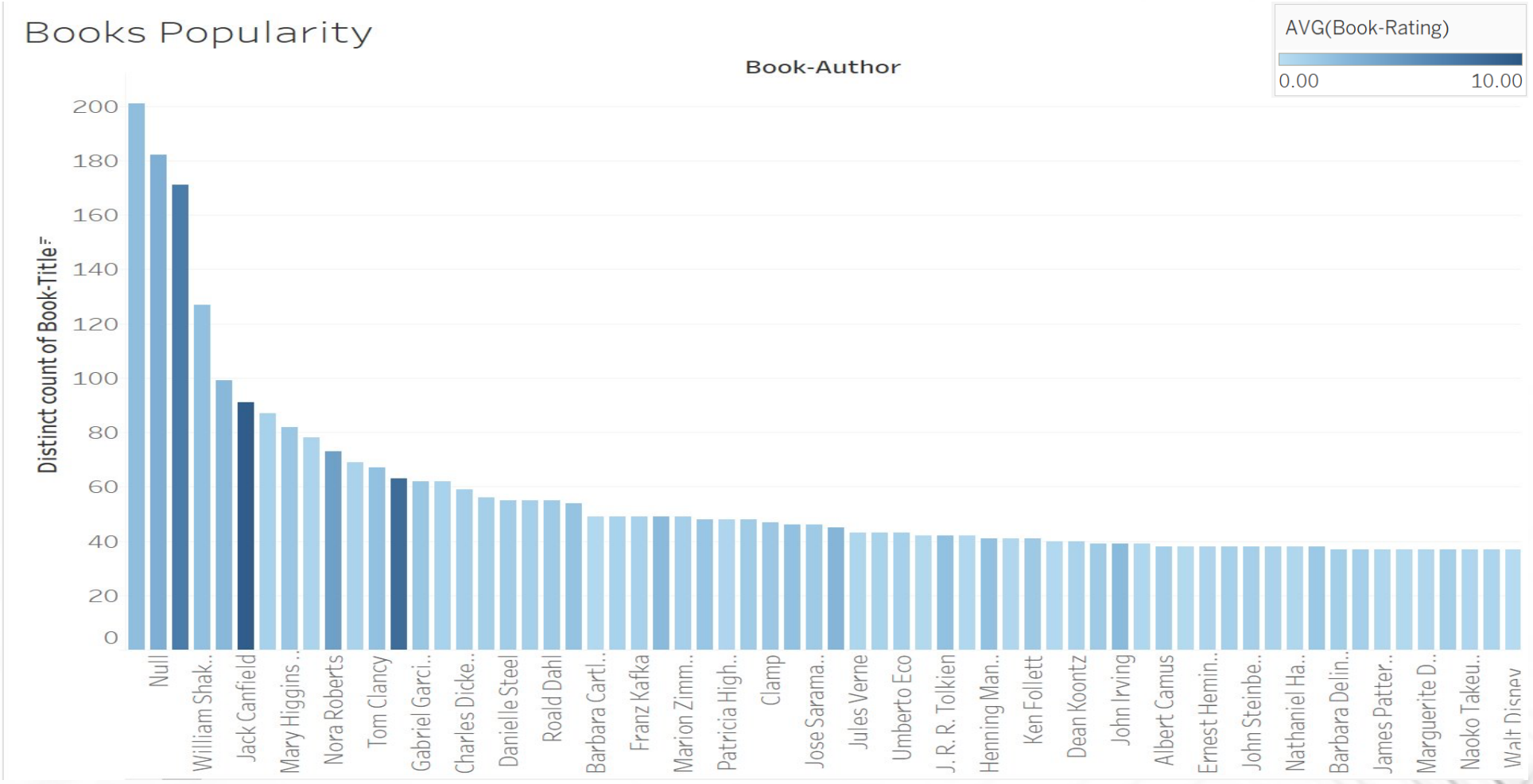
- **Book-Crossing dataset** -- http://www.bookcrossing.com
- **Source** -- http://www2.informatik.uni-freiburg.de/~cziegler/BX/
- Collected in a 4-week stretch (August / September 2004)
- Contains 278,858 users providing 1,149,780 ratings about 271,379 books

About the Dataset (Conti.)

Dataset comprises 3 tables

- **Users**:
  - Contains the list of users and their demographic details
- **Books**
  - Content-based information about the books is provided
  - Books are identified by their respective International Standard Book Number (ISBN)
- **Book-Ratings**
  - Contains the book rating information
  - Ratings are expressed on a scale from 1-10

Data Insight



Algorithm : k-Nearest Neighbor (k-NN)

- Primarily used for Classification and Regression
- Instance-based and Lazy Learning Algorithm
- Determines its K nearest neighbors from the training data
- Distance is calculated using following measures:
  - Euclidean Distance
  - Minkowski Distance

Goal

To achieve best possible accuracy for our recommendation system


thank you
merci
danke
謝謝
gracias
teşekkür ederim
ngiyabonga
obrigado
dziękuję
bedankt
go raibh maith agat
sukriya
kop khun krap
terima kasih
dakujem
arigatô
grazie
takk
tapadh leat
mochchakkeram
спасибо
рахмат
Баярлалаа
faafetai lava
kiitos
dankie
dhanyavad
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rahmat
kam sah hamnida
তোমাকে ধন্যবাদ
감사합니다
xièxie
ありがとう
tanemirt
rahmet
ευχαριστώ
diolch
dhanyavadagalu
shukriya
merci
мерси
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