

User Manual: Predicting Book Genre from Synopsis

Jainam Shah

Overview

This user manual provides instructions on how to use the provided code to predict the genre of a book based on its synopsis using these machine learning models: Logistic Regression, Support Vector Machines, and Random Forest.

How to Run the Code

1. Prepare the Environment:

- Make sure Book_Genre_Prediction.py script and the data.csv file are in the same folder.
- The csv file should have columns: title, synopsis, and genre (all other columns will be removed).
- Install the necessary libraries by running this command in your terminal:
 - `pip install pandas numpy nltk matplotlib seaborn scikit-learn tabulate`

2. Run the Script:

- Save the code as Book_Genre_Prediction.py in the directory of your choice
- Open your terminal and go to the folder where the script is located and run the following command:
 - `python Book_Genre_Prediction.py`

3. Results:

- After running the script, you'll see the results in your terminal, including the accuracy of the models and sample predictions.
- The script will create graphs and charts for better visualization and analysis.