Instructions

Xero Assessment: Edward Jin's Submission

Prerequisites

1. **Install R**: Ensure R version 4.3.3 or above is installed on your system to run the script. You can download and install it from CRAN.

Running the Script

1. **Open Terminal or Command Prompt**: Depending on your operating system, open the terminal (Linux/macOS) or command prompt (Windows).

2. **Navigate to the Project Directory**: Use the `cd` command to change the directory to where the R script is located. For example: sh: `cd path/to/xero_ejin_submission`

3. **Execute the Script**: Use the `Rscript` command to run the `recommender.R` For example: sh: `Rscript recommender.R`

4. **Location of Predictions**: The tab-delimited file containing the predictions will be outputted to the `predictions` folder.

Directory Structure

- `data/`: Contains the input data required to run the model.
- `predictions/`: Contains the output of the model.
- `recommender.R`: Main script to produce predictions.
- `methodology.html`: Brief report explaining the methodology and reasoning behind the approach.
- `model_scoring.R`: R script containing initial exploratory data analysis and testing candidate models. It is not required to run the main recommender.

Package Installation

The following packages and their dependencies will be installed automatically if not already present:

- **dplyr**: 1.0.9
- **tidyr**: 1.2.0
- **recommenderlab**: 0.2-8
- **here**: 1.0.1

Please feel very free to reach out if you have any issues