

# Package: recommenderlabBX (via r-universe)

July 14, 2024

**Version** 0.2-0

**Date** 2022-05-31

**Title** Book-Crossing Dataset (BX) for 'recommenderlab'

**Description** Provides the Book-Crossing Dataset for the package recommenderlab.

**Depends** R (>= 3.5.0), recommenderlab (>= 1.0-0)

**URL** <https://github.com/mhahsler/recommenderlabBX>

**License** GPL-2

**Copyright** Data is freely available for research use when acknowledged with the following reference: Improving Recommendation Lists Through Topic Diversification, Cai-Nicolas Ziegler, Sean M. McNee, Joseph A. Konstan, Georg Lausen; Proceedings of the 14th International World Wide Web Conference (WWW '05), May 10-14, 2005, Chiba, Japan. To appear.

**Repository** <https://mhahsler.r-universe.dev>

**RemoteUrl** <https://github.com/mhahsler/recommenderlabBX>

**RemoteRef** HEAD

**RemoteSha** 5e9066c5e06b07db63cd8da333057a973f3e1003

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BX

*Book-Crossing Dataset (BX)*

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### Description

The data set contains a 4-week crawl (August / September 2004) from the Book-Crossing community. Contains 278,858 users (anonymized) providing 1,149,780 ratings (explicit / implicit) about 271,379 books.

### Usage

```
data(BX)
data(BXBooks)
```

### Format

The format is:

BX: Formal class 'realRatingMatrix' [package "recommenderlab"] BXBooks: data.frame with book meta information (title, author, year, publisher)

### Details

44778 x 204680 rating matrix of class 'realRatingMatrix' with 493813 ratings between 0 and 10.

### References

Cai-Nicolas Ziegler, Sean M. McNee, Joseph A. Konstan, Georg Lausen, "Improving Recommendation Lists Through Topic Diversification," Proceedings of the 14th International World Wide Web Conference (WWW '05), May 10-14, 2005, Chiba, Japan.

### Examples

```
data(BX)
BX
```

```
hist(getRatings(BX), main = "Distribution of ratings", breaks = 10)
```

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\* **datasets**

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