

Metadata, the undiscovered treasure box for book recommender systems for children

Mohamad Awab Alkhiami

M.A.Alkhiami@student.tudelft.nl



1. Motivation

- Children and reading
- Recommender systems
- Traits
- Metadata

2. Metadata types

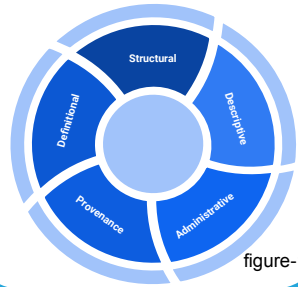


figure-1

3. Research Question

What traits can be inferred from book metadata which could support the designers of books recommender systems for children?

4. Data construction & traits

	Children 0-12	Young adults 12-18	Adults 18+
	Preschoolers 0-6	School-aged 6-12	Adolescents 12-18

table-1

Finding patterns

Number of pages
Number of chapters
In series
Publication year
Cover type

5. Findings

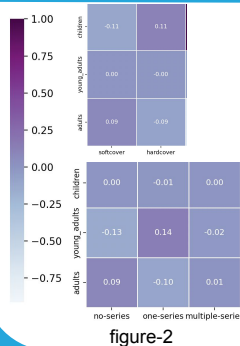


figure-2

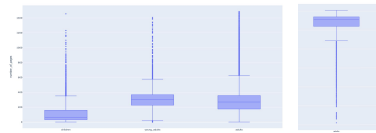


figure-3

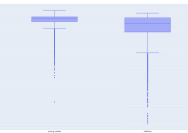


figure-4



figure-5

6. Conclusions

The number of pages in a book grows considerably as children grow into young adults, but this pattern does not continue as they become adults.

There is no relation between reader age and the number of chapters, cover type, or the fact that a book is part of a series.

7. Limitations

- Data precision and validity
 - Age groups
 - Unexpected values
- Data collection and integration
 - Weak identifiers
 - Infrequent ratings

8. References

1. Alkhiami, M. A., & Alkhiami, M. A. (2023). Metadata, the undiscovered treasure box for book recommender systems for children. *Journal of Information Systems, 10*(1), 1-10.

2. Alkhiami, M. A., & Alkhiami, M. A. (2023). Metadata, the undiscovered treasure box for book recommender systems for children. *Journal of Information Systems, 10*(1), 1-10.

3. Alkhiami, M. A., & Alkhiami, M. A. (2023). Metadata, the undiscovered treasure box for book recommender systems for children. *Journal of Information Systems, 10*(1), 1-10.

4. Alkhiami, M. A., & Alkhiami, M. A. (2023). Metadata, the undiscovered treasure box for book recommender systems for children. *Journal of Information Systems, 10*(1), 1-10.

5. Alkhiami, M. A., & Alkhiami, M. A. (2023). Metadata, the undiscovered treasure box for book recommender systems for children. *Journal of Information Systems, 10*(1), 1-10.

6. Alkhiami, M. A., & Alkhiami, M. A. (2023). Metadata, the undiscovered treasure box for book recommender systems for children. *Journal of Information Systems, 10*(1), 1-10.

7. Alkhiami, M. A., & Alkhiami, M. A. (2023). Metadata, the undiscovered treasure box for book recommender systems for children. *Journal of Information Systems, 10*(1), 1-10.

8. Alkhiami, M. A., & Alkhiami, M. A. (2023). Metadata, the undiscovered treasure box for book recommender systems for children. *Journal of Information Systems, 10*(1), 1-10.

9. Alkhiami, M. A., & Alkhiami, M. A. (2023). Metadata, the undiscovered treasure box for book recommender systems for children. *Journal of Information Systems, 10*(1), 1-10.

10. Alkhiami, M. A., & Alkhiami, M. A. (2023). Metadata, the undiscovered treasure box for book recommender systems for children. *Journal of Information Systems, 10*(1), 1-10.