Loan history

NICOLE CLASEN,
ZBW – LEIBNIZ INFORMATION CENTRE FOR ECONOMICS
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Topics

• ZBW
• Project loan history
• Visualizations
• Benefits
• Future prospect

EMEARC18 #OCLCEMEARC18
ZBW – Fact Sheet

- Founded in 1919
- Specialised in Economics and Business Studies
- 4.4 Mio Books
- 31,000 Periodicals, Journals
- 4.8 Mio Catalogue Items
- 5.6 Mio Downloads of Digital Full Texts
- ~ 270 Employees
Projects

- visualise the change towards the digital library
- let library users experience digital possibilities and innovations
Loan history - aims

• User-orientated, innovative adaptation of information
• Obtaining additional information through the combination of lending data and other data
• Benefits of digital, technical possibilities and innovations
• research tool
Project definition

- Cross-departmental project of the departments User Services and Social Media plus external cooperation partner
- Agile project management
- Project start: 2015

- Expertise of both departments are essential!
Issues

• Which topics are currently up to date?
• What are the most popular media?
• What do other users lend?
• Which books have the most reservations?
• Who lends out which media?
• Who comes at which time?
• How long are the media in which status?
Technical infrastructure

Hosting

- Loan System
  - loans reservations
  - returns

ZBW

- Loan history Index
- Loan history API
- Loan history Web application
- Data anonymization
- EconBiz
  - Title, author, keywords
1. Statistical analysis

- Development of the loans
- Time of the loan / return
- Duration in the loan status
2. Bubble visualization
3. Trend visualization
3. Trend visualization
Calculation methods

• Variance + Term frequency
• Maximum difference
• Tf-idf
Benefits

• Visualization of title information and contexts
• Use of loan data
• Shared Button
• Export of visualizations possible
Future prospects

• "Trend of the month" on homepage, screens
• Recommender function based on the EconBiz favorites
• Integration of the loan history in EconBiz for interactive use
Thank you