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Institut für Informationssysteme
Technische Universität Braunschweig

Seminar

**“Big Data Challenges in Digital
Libraries”**

Winter semester 2016

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“A digital library is a collection of electronic knowledge resources developed and maintained in order to meet the totality of information needs for a given user population.” **Steven L. MacCall**



Big Data Challenge in Digital Libraries

From Past to Present

Digital Libraries in Use

Business Model for DL

Content Indexing

Visualization in DL

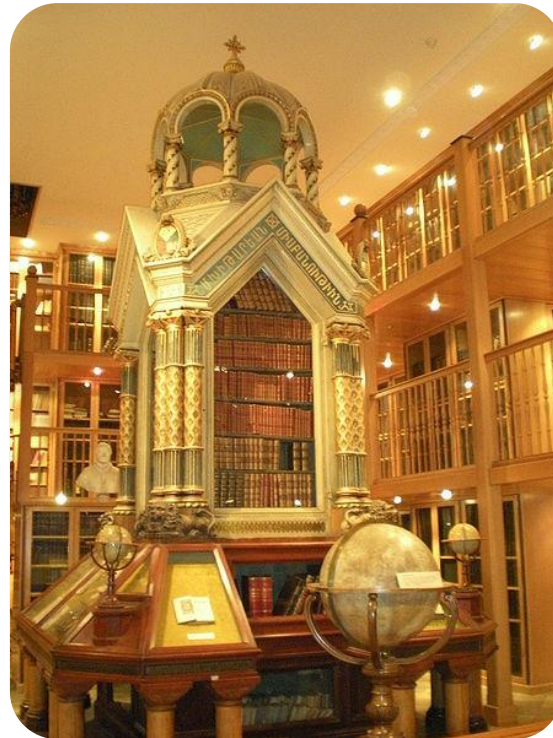
Quality in DL

Content Ranking

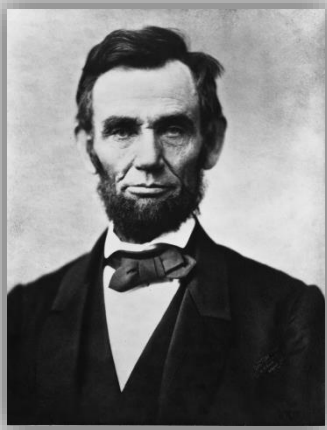
Intro to Big Data

Ontologies in DL

Big Data in DL



Long Time Preservation



„Better to remain silent and be thought a fool than to speak out and remove all doubt.“

Abraham Lincoln

Actual subject

How do I give a **good** talk?

„A good speech is to exhaust the topic not the audience.“

Sir Winston Churchill



What is a **good** Talk?



...and much more!

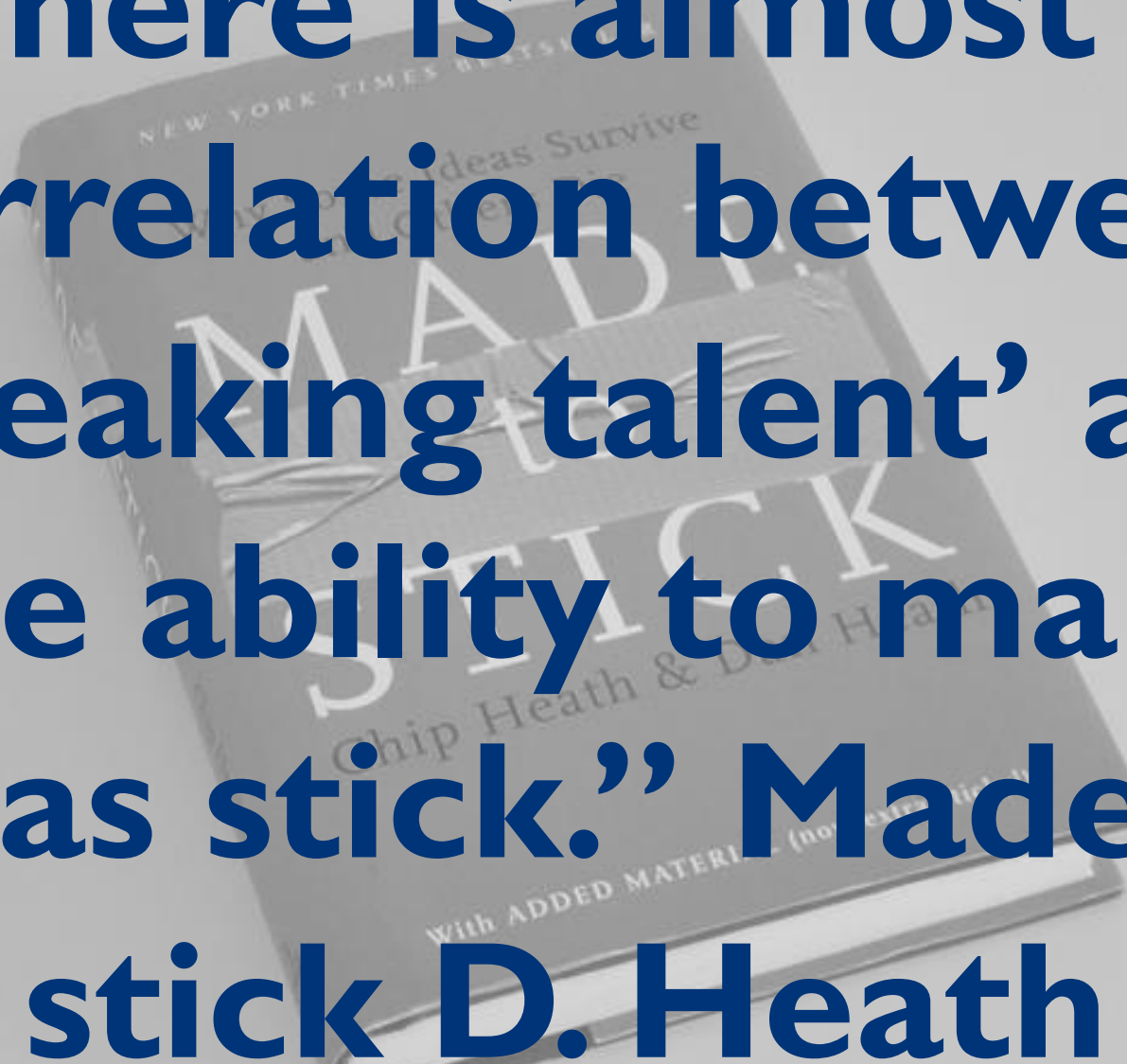
What is more important

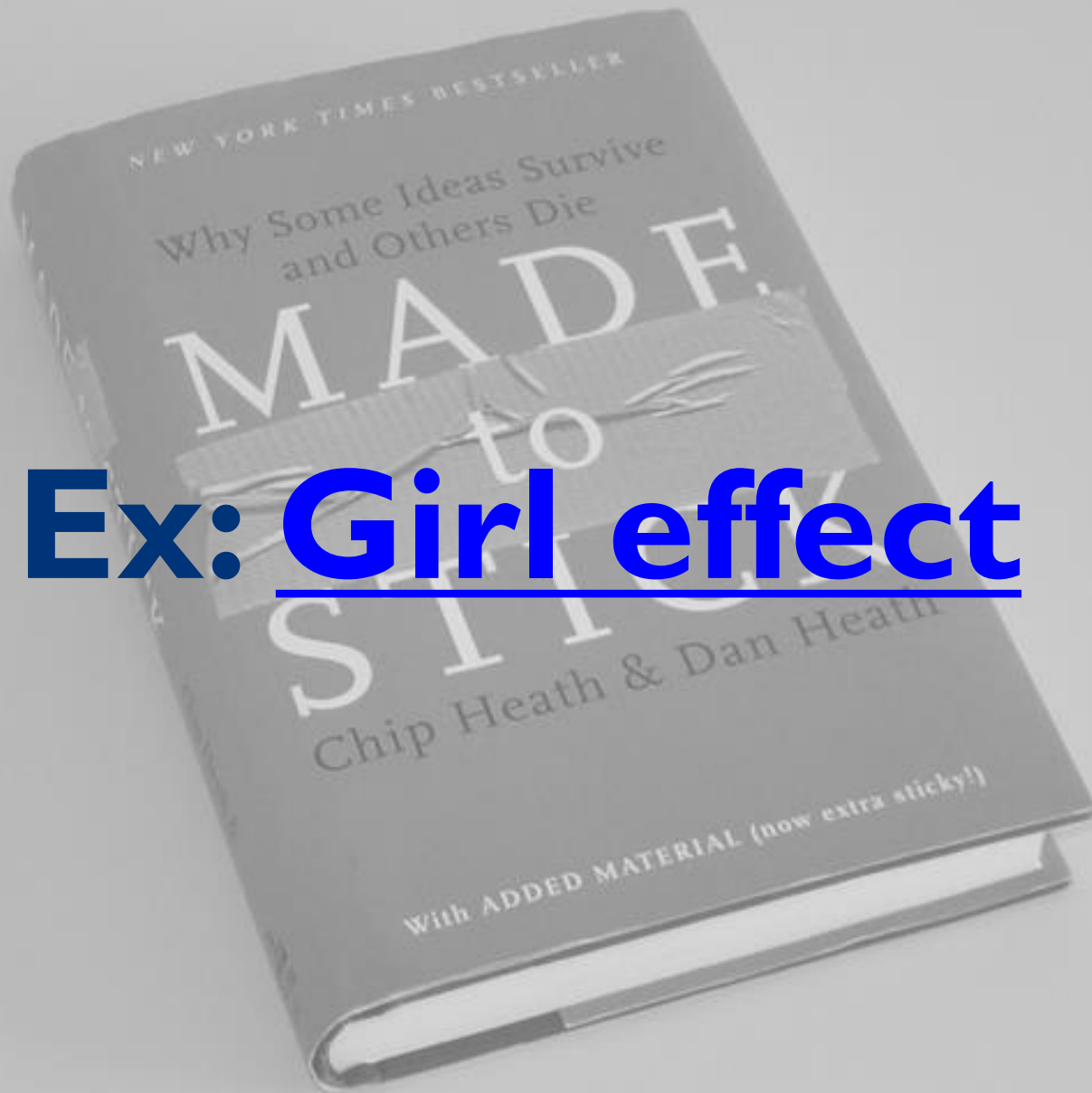
Stickiness



What **sticks** in your memory?

“There is almost no correlation between ‘speaking talent’ and the ability to make ideas stick.” Made to stick D. Heath

The background features a stack of books. The top book is 'Made to Stick: Why Some Ideas Survive and Others Don't' by Chip Heath and Dan Heath. The cover is dark with the title in large, light-colored letters. Above the title, it says 'NEW YORK TIMES BESTSELLER'. Below the title, it says 'Chip Heath & Dan Heath'. At the bottom of the cover, it says 'With ADDED MATERIAL - (not extra!)'. The books are slightly out of focus, serving as a backdrop for the text.

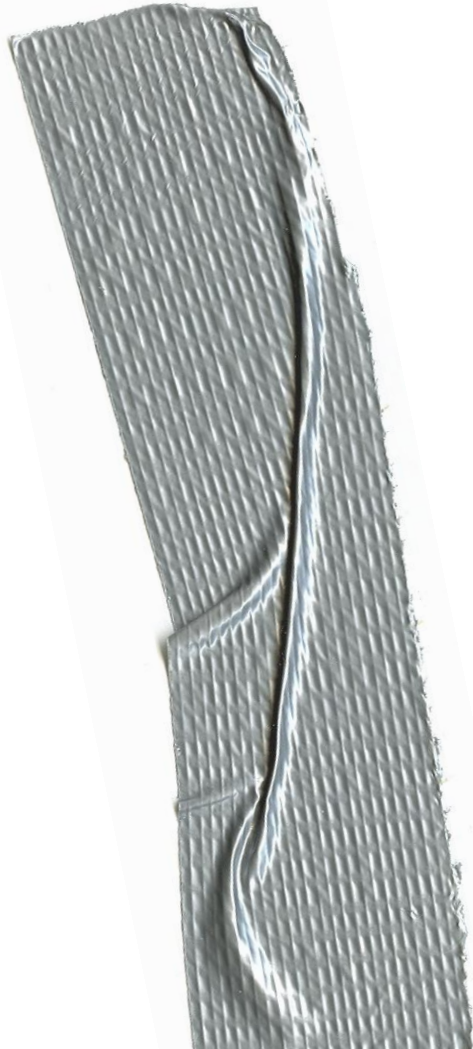


Ex: Girl effect

Sechs Kriterien

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Course of Action

Last chance for
deregistration



1. Introduction and Assignment of topics
2. Analyzing talks I
3. Analyzing talks II
4. Developing guidelines for good talks
5. Preliminary Results (private meetings)
- 6.
- 7.
- 8.
9. Big Data Challenges in Digital Libraries
10. (Talks with Feedback)
- 11.
- 12.
- 13.
- 14.
15. Grading

Checklist

Week

4. Developing guidelines for good talks

Standing after week 4:

- We have a common checklist for the creation and grading of talks
- Grading will depend on these criteria
- During the talks each of you has to take care about one of these criteria

Homework

- Examine your topic and understand it in **detail**.
- How will your talk be a good talk

Preliminary Results

Duration: 5–10 Minutes

Content: Short description of your topic
Who? How? What? Why?

Personal impression

Exciting, boring, complicated, surprising, ...

Used sources

What kind of information have you used?

Own examples

What is your use case scenario?

Current status and work plan

Your next steps

Preliminary Discussions

All-important:

Individual preliminary discussion with us.

- Latest two weeks before
 - If you like also earlier
 - And more frequent
- Make an appointment
- If you don't come it is your fault
 - Usually: Bad talk, bad mark

Your Talks

Woche

5.

Preliminary Results

6.

Big Data Challenges in Digital Libraries

(Talks with Feedback)

14.

For each talk:

- Discussion and grading according to our checklist
- Video recording for wrap-up at home
- Own notes for the future grading

Your Grades

Week

15.

Grading

Procedure:

- We create our proposed grades.
- You develop your proposed grades.
- We discuss the results together.
- The last word rests with the examiner.



Conclusion

- **We offer:**
 - **Guidance and Support**
 - Active **Discussion**
 - Honest and constructive **Feedback**
 - **Exciting Topics**
- **We require:**
 - **Intensive preparation** of your own talk
 - **Active participation**
 - **Attendance** at all seminar dates
 - No written report
- **Important:** The seminar is (due to increased difficulty) intended primarily to Master's students!

