Winter of Code – TU Berlin

Mahout Seminar





Isabel Drost

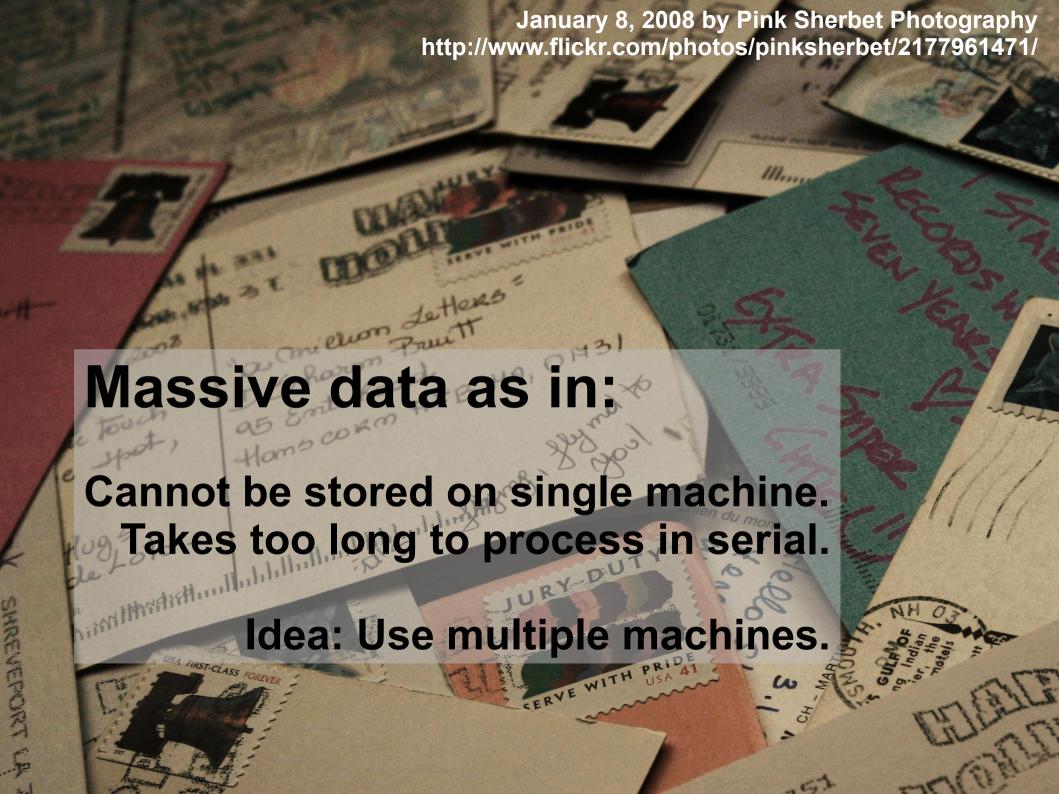
Nighttime:

Came to nutch in 2004. Co-Founder Apache Mahout. Organizer of Berlin Hadoop Get Together.

Daytime:

Software developer @ Berlin

Hello TU Students



Presentation skills.

Choosing literature.

Citing sources.



Scientific texts.

Machine learning.

Schedule

- Choosing topics: 18. December 2009
- Literature list: 08. January 2009
- ToC: 15. January 2009
- Full paper: 29. January 2009
- Preliminary slides for review: 05. February 09.
- Block seminar: During term break.

Credits

http://github.com/MaineC/Playground/blob/master/projekt/credits

- 30 clarity of paper.
- 30 slides.
- 30 presentation style.
- 30 literature.

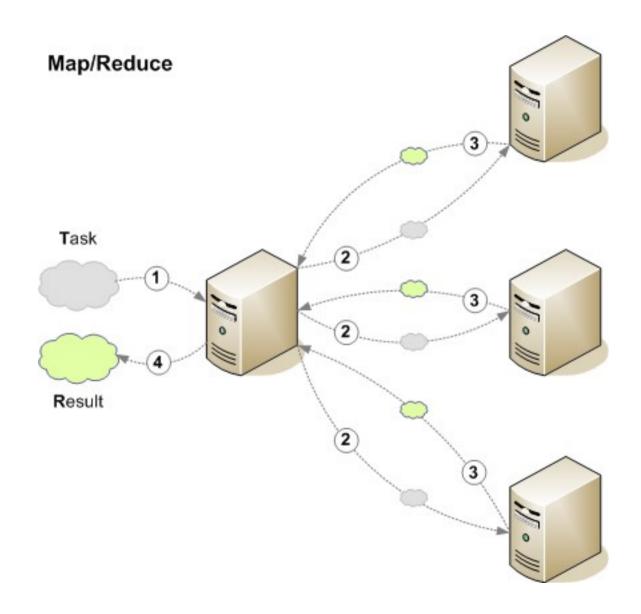
Total: 120

100 = 100%

Topics

Your proposals welcome.

Map Reduce and HDFS.



NoSQL-/Document databases.

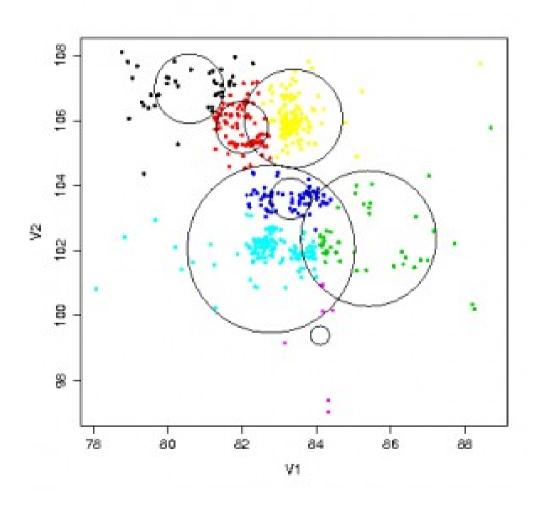


(Near-) Duplicate detection.

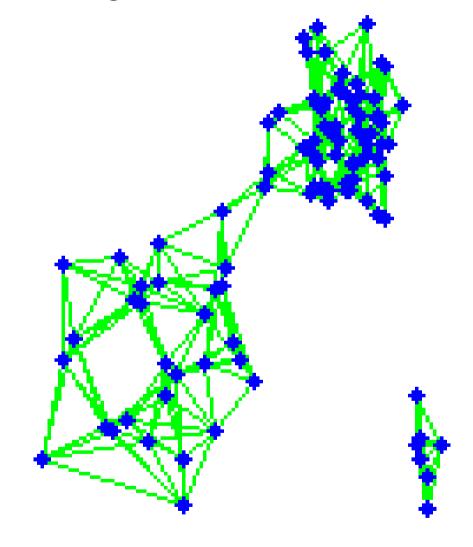




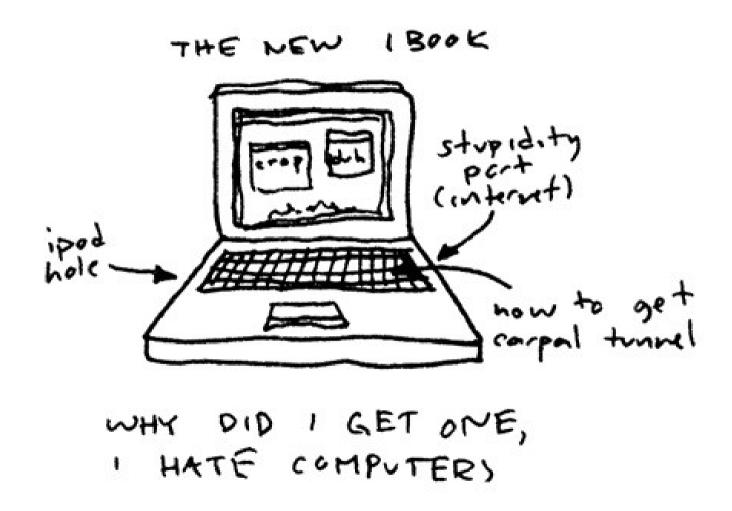
Document clustering: k-Means, dirichlet based clustering.



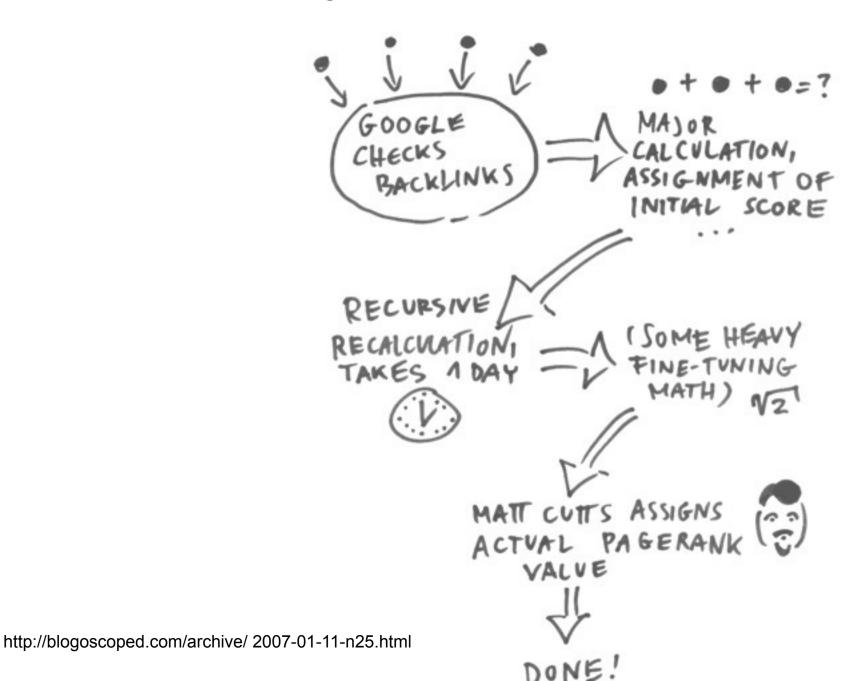
Spectral clustering.



Opinion mining.



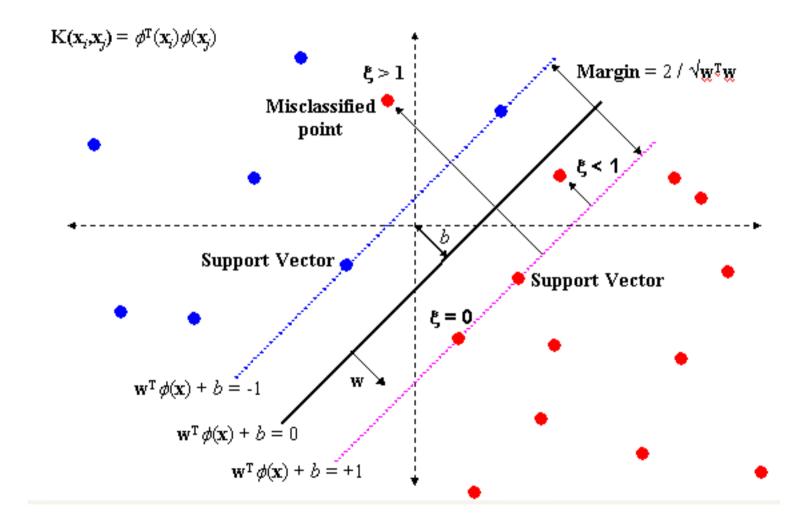
Link based ranking of search hits.



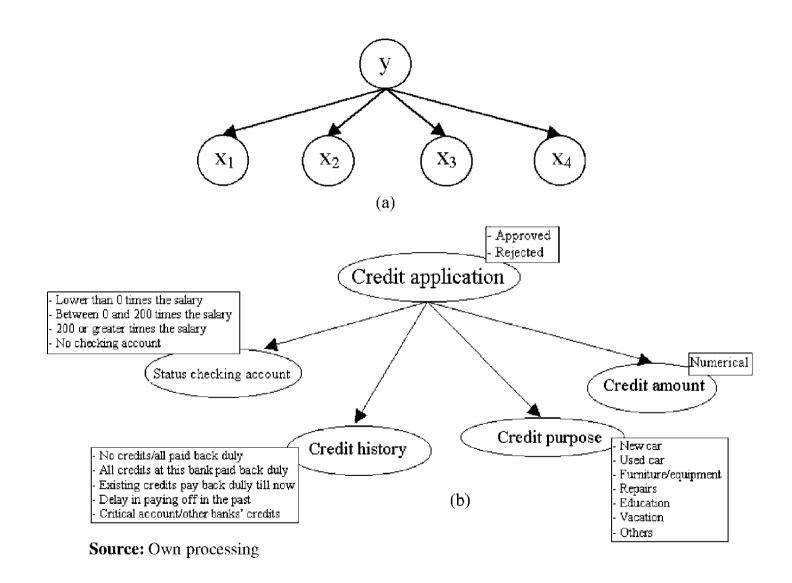
Learning Rankings



Discriminative classification algorithms: Perceptron, Winnow, SVM



Generative classification: Naive bayes, C-Bayes.



HowTo – Ausarbeitung.

Literature

- Starting points online.
- Add your own:
 - Follow references.
 - Search for papers referencing publications.
- Search new publications:
 - Well known conferences (ICML, NIPS, KDD).
 - Scientific search engines.
- citeulike.org for organization.

ToC

- Title.
- ToC.
- Motivation.
- •
- Summary/ conclusion.
- Bibliography.

Style

- Referenced, numbered equations, illustrations.
- Objective, non-casual tone.
- Translation of established technical terms.
- Cited text not marked as citation: Plagiarism.

L. Page, S. Brin, R. Motwani, and T. Winograd, "The pagerank citation ranking: Bringing order to the web," Stanford Digital Library Technologies Project, Tech. Rep., 1998.

- LaTeX makes citing easy!
- Final format: Free format, e.g. Pdf.
- Send to isabel@apache.org or at github.