

INFO/CS 4302

Web Information Systems

FT 2012

Week 11 : Ethics and [Big|Linked|Open]* Data

- Bernhard Haslhofer -

Plan for today...

- Solution Homework 6
- Project Status Presentations
- Recap
- Discussion on Ethics and Big / Linked / Open / Data

PROJECT STATUS PRESENTATIONS

Presentation Guidelines

During the semester you will have two possibilities to present your work: one intermediate presentation before Thanksgiving and one final presentation.

The guidelines for the intermediate presentation are:

You have **5 min** (strict!) to convince us and your fellow students that (i) your project idea is great, and (ii) that you are already working on it.

Your presentation should cover the following points:

- What is your project about?
- Which datasets are you using and how do you get, use and possibly combine them?
- What is the status of your work? If already available, you can show first designs or screenshots.
- Are there any problems we need to discuss?

The guidelines for the final presentation are similar:

You have **10 min** (strict!) to present your project results.

Your presentation should cover the following points:

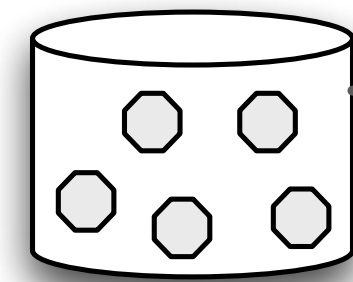
- What is your project about?
- Which datasets did you finally use and how did you get and combine them?
- A **demo** in which you show us your project results. This is the important part of this presentation.
- What have you learned when implementing your project?

Some hints...

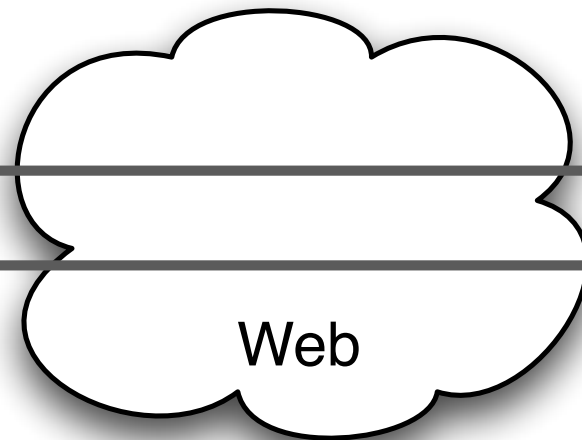
- Use examples to explain your use case
- Present (some hand drawn) GUI mockups
- Explain how you implement your application (dataset, infrastructure, etc.)

RECAP

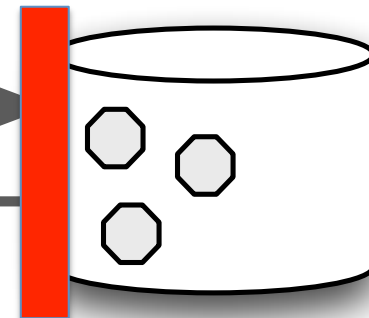
RESTful Web APIs



Application A



API



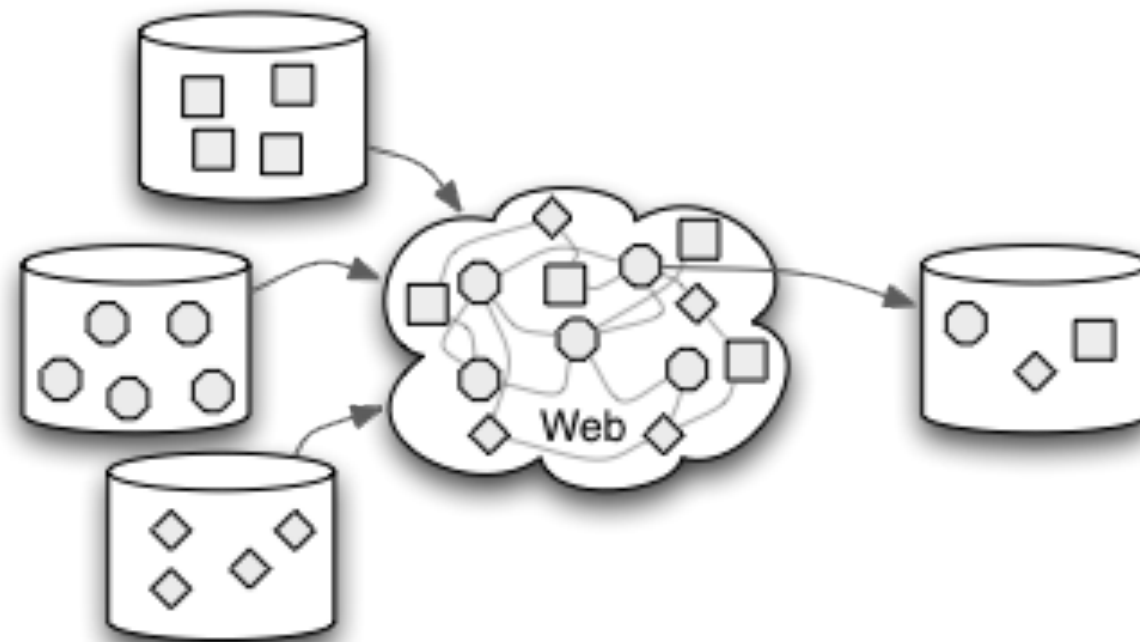
Application B



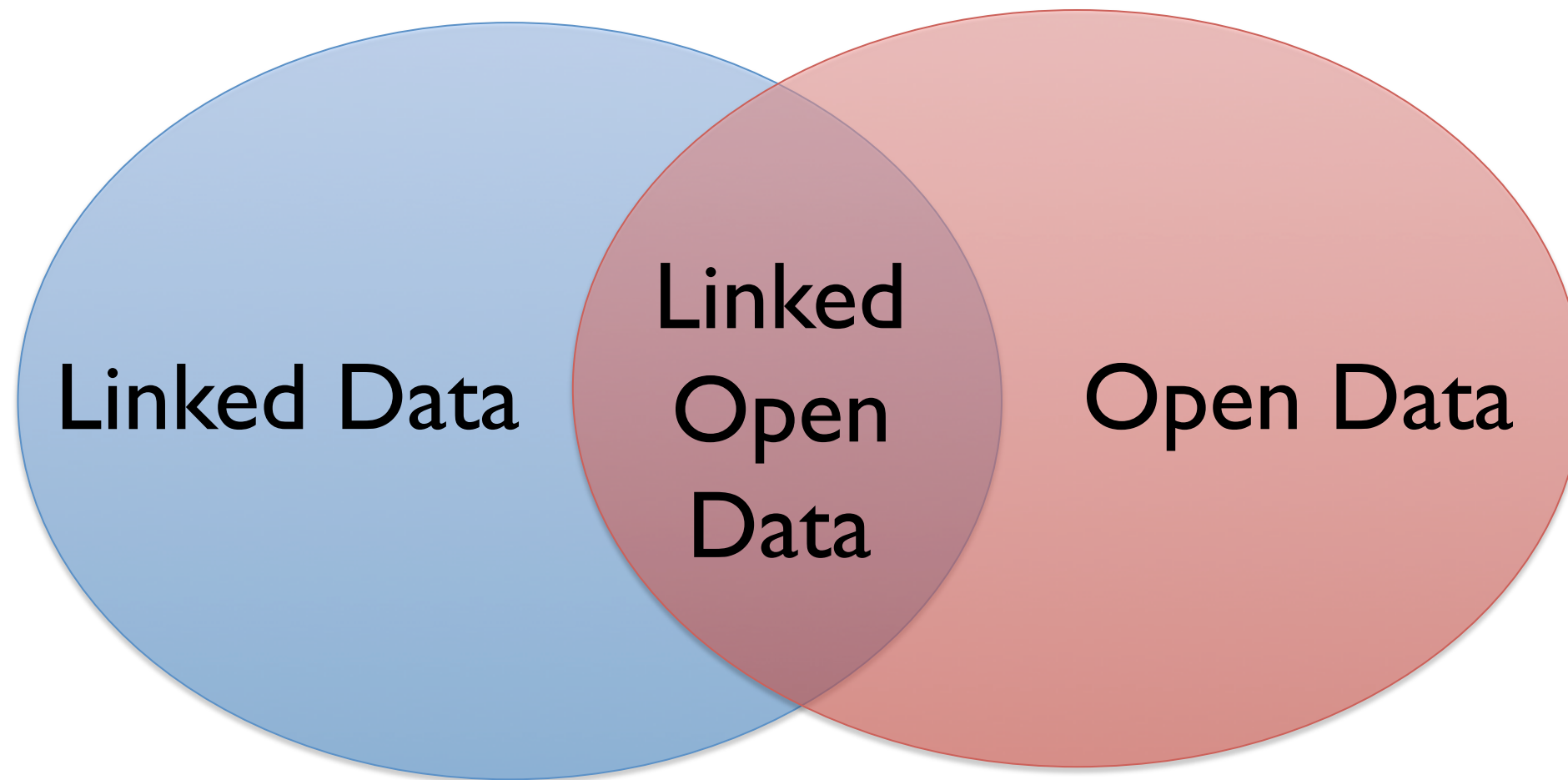
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Linked Data

- A method to build a **global data network**
- Architectural style, set of standards



Linking **Open** Data (Project)



Jack Nicholson

Scroll to:

- Person
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- TV Actor
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John Joseph "Jack" Nicholson (born April 22, 1937) is an American actor, film director, producer, and writer. He is known for his often dark portrayals of neurotic characters. His twelve Oscar nominations make him the second most nominated actor of all time, tied with Katharine Hepburn, and behind only Meryl Streep. Nicholson was nominated for an Academy Award twelve times and

won the Academy Award for Best Actor twice: for One Flew Over the Cuckoo's Nest. [More](#)

[Read article at Wikipedia](#)

Date of birth: Apr 22, 1937 (age 75 years)

Place of birth: New York City, New York, United States of America

Height: 1.77 m (5.81 ft)

Religion: Roman Catholicism

Also known as: John Joseph Nicholson, jack_nicholson, Nick, Mulholland Man, The Great Seducer, John Joseph "Jack" Nicholson

Person

Place of birth: New York City, New York, United States of America

Country of nationality: United States of America

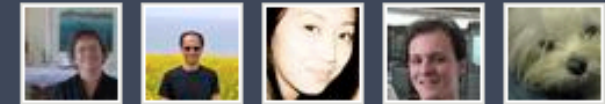
Gender: Male

Profession: Actor
Screenwriter
Film Director
Film Producer

[View Jack Nicholson: Professions »](#)

Ethnicity: Irish people

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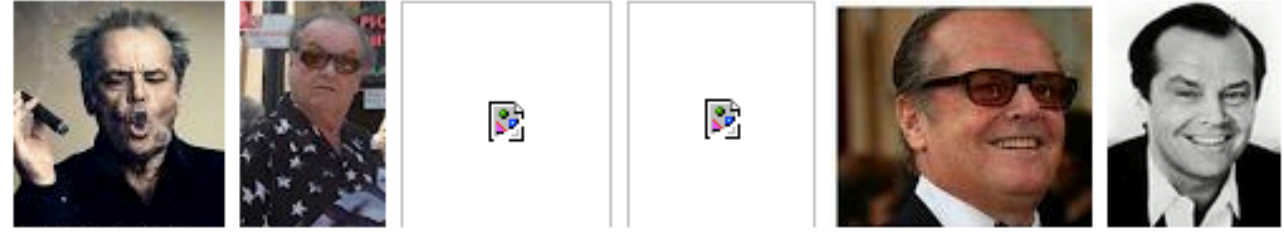
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Jack Nicholson



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John Joseph "Jack" Nicholson is an American actor, film director, producer, and writer. He is known for his often dark portrayals of neurotic characters. Wikipedia

Born: April 22, 1937 (age 75), [New York City](#)

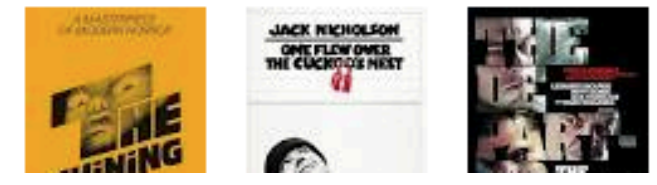
Height: 5' 10" (1.77 m)

Spouse: [Sandra Knight](#) (m. 1962–1968)

Children: [Lorraine Nicholson](#), [Jennifer Nicholson](#), [Ray Nicholson](#), [Honey Hollman](#), [Caleb James Goddard](#)

Parents: [Donald Furcillo](#), [June Frances Nicholson](#)

Movies



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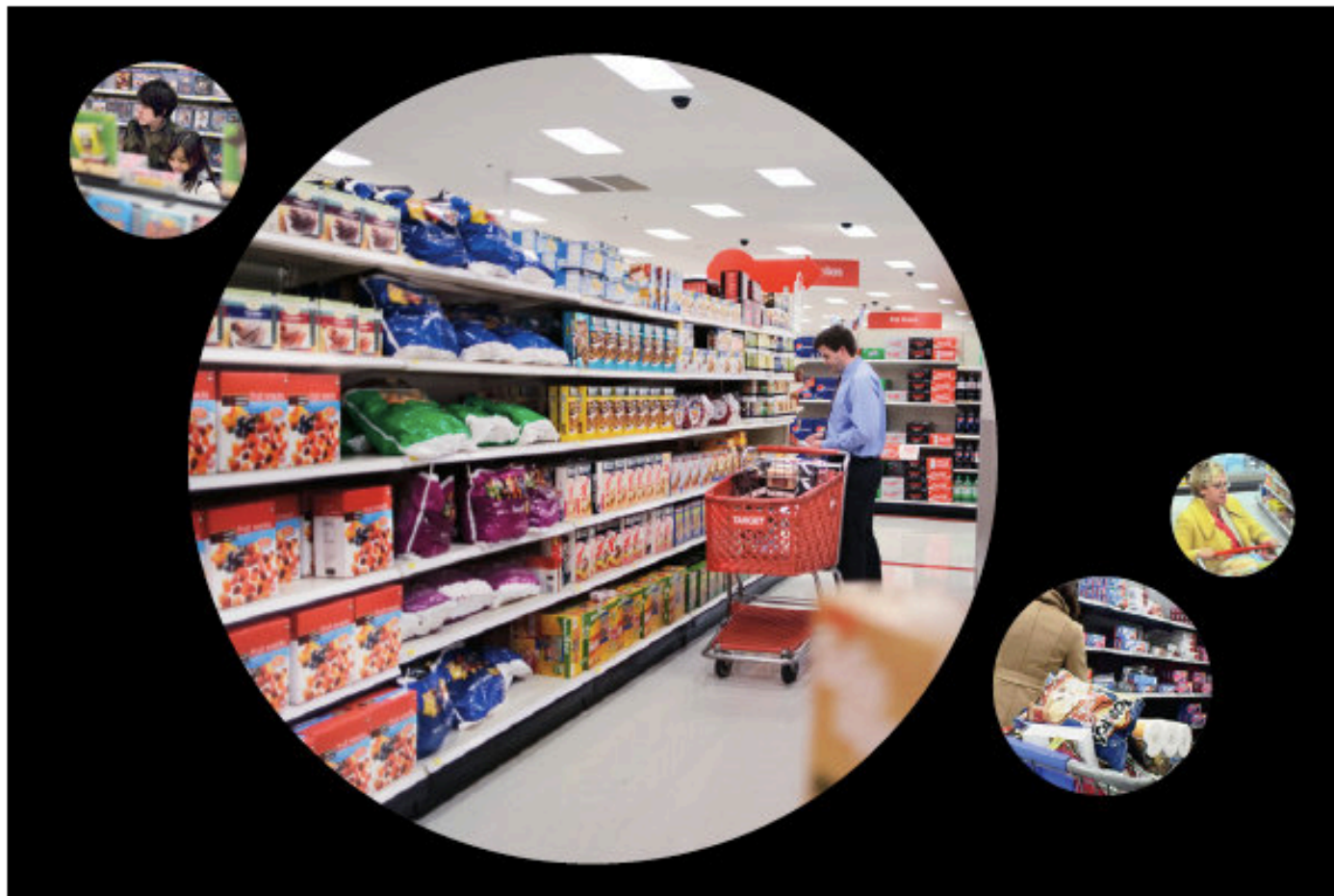
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Jobs Says Apple Made Mistakes With iPhone Data

By MIGUEL HELFT
Published: April 27, 2011

SAN FRANCISCO — Hoping to put to rest a growing controversy over privacy, [Steven P. Jobs](#), [Apple's](#) chief executive, took the unusual step of personally explaining that while Apple had made mistakes in how it handled location data on its mobile devices, it had not used the [iPhone](#) and [iPad](#) to keep tabs on the whereabouts of its customers.

Enlarge This Image



Jim Wilson/The New York Times

Steven P. Jobs said that Apple was locating Wi-Fi and cell towers, not

"We haven't been tracking anybody," Mr. Jobs said in an interview on Wednesday. "Never have. Never will."

Mr. Jobs said that Apple would fix the mistakes in a free software update that it would release in the next few weeks.

Mr. Jobs, who is currently on medical leave, addressed the issue along with two Apple executives — Philip W. Schiller,

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RAW DATA

Austrian Law Student Faces Down Facebook

By KEVIN J. O'BRIEN
Published: February 5, 2012

BERLIN — As Wall Street prepares for a record, multibillion-dollar initial stock sale from [Facebook](#), the social networking site, a meeting with the potential to shape the economics of the deal was set to take place Monday in Vienna.

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Ronald Zak/Associated Press

Max Schrems, 24, an Austrian law student, is leading a campaign in Europe against Facebook's use of personal data.

Related

Rendezvous Blog: Clicking the 'Not Like' Button in Europe (February 5,

Richard Allan, a former member of Parliament in Britain who is the European director of policy for Facebook, and another executive from Facebook's headquarters in Menlo Park, California, will meet with Max Schrems, a 24-year-old college student.

Mr. Schrems, a law student at the University of Vienna and a user of Facebook since 2008, has led a vocal campaign in Europe against what he maintains are Facebook's illegal practices of collecting and marketing users' personal data, often without consent.

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IT'S THE ULTIMATE COMBINATION

Questions

- What does „ethical“ mean?
- Does „raw data“ have ethical values attached?

Ethical Issues - Identity

- Do people and things have single- or multifaceted identities?

Ethical Issues - Identity

- What ethical issues can arise when we link, aggregate, and summarize identities of
 - things
 - persons

Ethical Issues - Privacy



"On the Internet, nobody knows you're a dog."

Ethical Issues - Privacy

- If an individual keeps info about identity private, do others have the right to use it and/or make it public?

Ethical Issues

- What are possible ethical issues in open Web based data networks (e.g., Linked Data cloud)
- Which steps can be taken to deal with these issues?

Readings

Davis Kord: Ethics of Big Data, O'Reilly 2012