What is Web Science

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Why are we here?

- Web Science
- Web is new but extremely influential
- We need to understand it
- Future development of the web
- Opportunities and threats
- Web Science is interdisciplinary
What is Web Science?

• Multidisciplinary approach to understanding the web
• Reason for the new science to appear
• The aim is to find how humans can benefit
How is Web Science related to different disciplines?
Relation between Web Science and Computer Science

• Faster search algorithms
• Graph theory
• Data encryption
• Main questions in the field of Computer Science and IT
Social aspects

• Online communities
• Social structures
• Trust and reputation
• Morality and ethical questions
Conclusions

• Web Science is still very new
• Highly interdisciplinary
• Technical aspects are just a small part
• Might develop into big area of research as its used
References

1. Web Science diagram, [online: http://blogs.exeter.ac.uk/wip/files/2010/05/websiscience.jpg]
2. Royal Society, Organisation, [online: http://royalsociety.org/further/web-science/]
Background reading and interesting materials

- Professor Wendy Hall explains Web Science: http://webscience.org/professor-wendy-hall-explains-web-science/
- Professor Nigel Shadbolt explains Web Science: http://webscience.org/professor-nigel-shadbolt-explains-web-science/
- Web science: an interdisciplinary approach to understanding the web, http://dl.acm.org/citation.cfm?id=1364798
- Why do we need web science? http://www.slideshare.net/webscikorea/why-do-we-need-web-science-research
- http://www.rpi.edu/dept/IT/