

Master's Programme in Information Science, autumn 2018

- Welcome!
- Andreas presents INFO319 (Vimala is not here)
- Christoph presents INFO345
- Frode presents INFO361
- Liv informs
- Fagutvalget informs(?)



Basic structure

- First two semesters doing courses
 - usually 4 information science courses
 - 15 study points each
 - one of these courses is INFO300



Basic structure

- First two semesters doing courses
- Then two semesters doing your Master's Thesis
 - 60 study points
 - a graded research project, usually individual
 - theory-based, clear research goals and questions
 - usually empirical, but can be pure theory/reflection
 - often involves technology development & evaluation



Examples of thesis topics

- Augmented reality for teaching local history
- Use of fuzzy logic to understand spoken commands for moving around in Google Street View
- Responsive fidgeting gadget for ADHD youth
- Probabilistic models for decision support in fish farming supervision
- Lifestyle app for young MS adults
- Semantic technologies and NL techniques to distill information from EULAs
- Neural networks to diagnose dyscalculia
- Reasoning about uncertainty in Cluedo



Thank you :-)

...over to myself!



UNIVERSITETET I BERGEN

Institutt for informasjons- og medievitenskap

21/08/17

Welcome to INFO319:
Research Topics in
Big Data
wiki.uib.no/info319



Theme this autumn:

**Big Data for
Emergency Management**

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Project BDEM

- Leveraging *Big Data for Emergency Management*
 - how can semantic technologies play a part?
 - developing a new Master course



SAN DIEGO STATE
UNIVERSITY



- Possibilities:
 - Master theses
 - student visits abroad



Project BDEM

- Building a curriculum around leveraging big data in emergency situations
 - Norwegian Research Council
 - Sogndal, Tokyo, Hong-Kong, Chicago, San Diego
 - Bergen has focus on big linked data
- New Master course this autumn
 - builds on INFO310 from last autumn
- Possible theme for essays and projects
 - in INFO310 and other courses?

Themes

- Themes, autumn 2018:

- 1) Emergency management (Aug 30th)
- 2) Big data (Aug 31st)
- 3) Emergency data sources (Oct 4th)
- 4) Sensors / IoT (Oct 5th)
- 5) Social media (Oct 25th)
- 6) Natural language processing (Oct 26th)
- 7) Machine learning (Nov 22nd)
- 8) Visualisation / Dashboards (Nov 23rd)

Curriculum

- Textbook:
- Carlos Castillo (2016). **Big Crisis Data – Social Media in Disasters and Time-Critical Situations**. Cambridge, 212 pages.
- Research papers in the wiki:
- https://wiki.uib.no/info319/index.php/Central_themes
- A general book discussion of big data:
- Rob Kitchin (2014). **The Data Revolution: Big Data, Open Data, Data Infrastructures & their Consequences**. Sage, 208 pages.

Requirements

- Participation:

- active participation in seminars
- graded individual essay (30%)
- graded group assignment (40%)
- written exam (30%)

- Important dates:

- submission of group assignment: October 27th 2018
- submission of individual essay: December 5th 2018
- exam: December 17th 2018

Seminars

- 8 seminars:
 - Thursday / Friday 1015-1600
 - dates:
 - August 30-31
 - October 4-5
 - October 25-26
 - November 22-23
 - the sessions are highly interactive
 - you present, critique and discuss
 - chapters and papers
 - your essays and projects
 - 80% mandatory participation
(you can only miss one)

Thank you :-)



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22/08/18