About myself

- Kamran Sedig (come-run se-deeg)
  - Joint appointment between Computer Science & Information and Media Studies

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- MC 420
My research

- Interdisciplinary, at the cross-roads of
  - Human-centered computing
  - Information & data science
  - Cognitive science
  - Systems theory
  - Design (interaction, visualization, cognitive, game, motivation)

- Investigate how to
  Design of interactive software tools that support
data-intensive complex human tasks
  - Data analysis & interpretation, investigation, problem solving, planning, decision making, …
Sub-areas and applications of my research

- **Design of interactive visualization tools**
  - Data/information visualization
  - Data and visual analytics

- **Data-driven complex activities**
  - Health & medical informatics
  - Decision-support tools
  - Design of cognitive games
  - Interactive reasoning

- Interface design
- Information artifacts and tools
- ...
Recently published book

Design of Visualizations for Human-Information Interaction
A Pattern-Based Framework

Kamran Sedig
Paul Parsons
My research

- Visit our research lab:

insight.uwo.ca
Graduate students (14)

- 6 PhD in Computer Science (2 with Dr. Lizotte)
- 5 MSc in Computer Science (2 with Dr. Haque, 1 with Dr. Lizotte)
- 2 PhD in Information Science
- 1 PhD in Health Information Science
- Areas:
  - Visual analytics; medical visual analytics; role of information & cognition in evidence-based medicine; visual document search and triaging; public health; ...
Topics in health informatics

will examine topics related to health informatics—with particular emphasis on health informatics tools, big data in healthcare, presentation of health data, analytics methods and their role in healthcare, and design of health informatics tools

cross-listed (CS & Information Science & Health Information Science)

Mondays, 9-12 (Rm. MC 316)

Start date: September 10 (be on time)
Evaluation scheme for CS 9855a

1. Paper summaries (9) – 18%
2. Paper discussion facilitation (2) – 24%
3. HI tool presentation – 12%
4. Research report  -- 16%
5. Participation in class discussions – 30%
1 cross-listed course (CS & Library & Information Science)

Mondays, 9-12
Conceptualization, design, and evaluation of computational tools that support and facilitate human activities

Dating software
Winter courses

- Evaluation for CS9639b & CS9521b will be decided later on