About myself

- Kamran Sedig (come-run se-deeg)
  - Joint appointment between Computer Science & Information and Media Studies
- sedig@uwo.ca
- 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

- Human-data interaction & human-steered analytics
- Design of interactive visualization tools
  - Data/information visualization
  - Data and visual analytics
  - Geospatial visualizations
- Data-intensive complex activities
  - Health & medical informatics
  - Decision-support tools
  - Design of cognitive games
  - Cyberlearning
  - Interactive reasoning
- Interface design
- Information artifacts and tools
- …
Design of Visualizations for Human-Information Interaction
A Pattern-Based Framework

Kamran Sedig
Paul Parsons

SYNTHESIS LECTURES ON VISUALIZATION
Niklas Elmqvist & David Ebert, Series Editors
My research

Visit our research lab:

insight.uwo.ca
Graduate students (10)

- 1 Post Doc
- 5 PhD in Computer Science
- 2 PhD in Health Information Science
- 2 PhD in Information Science

Areas:
- Visual analytics; medical visual analytics; human-data interaction; visualization design; role of information & cognition in evidence-based medicine; 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.

Mondays, 9-12 (Rm. MC 320)

Start date: September 11 (be on time)
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%
Winter 2018

- Information Visualization (9639A)
- 1 cross-listed course (CS & Library & Information Science)
Human-Computer Interaction (9521B)

Conceptualization, design, and evaluation of computational tools that support and facilitate human activities

Dating software
Evaluation for CS9639b & CS9521b will be decided later on