About myself

- Kamran Sedig (come-run se-deeg)
  - Joint appointment between Computer Science & Information and Media Studies
- sedig@uwo.ca
- MC 420

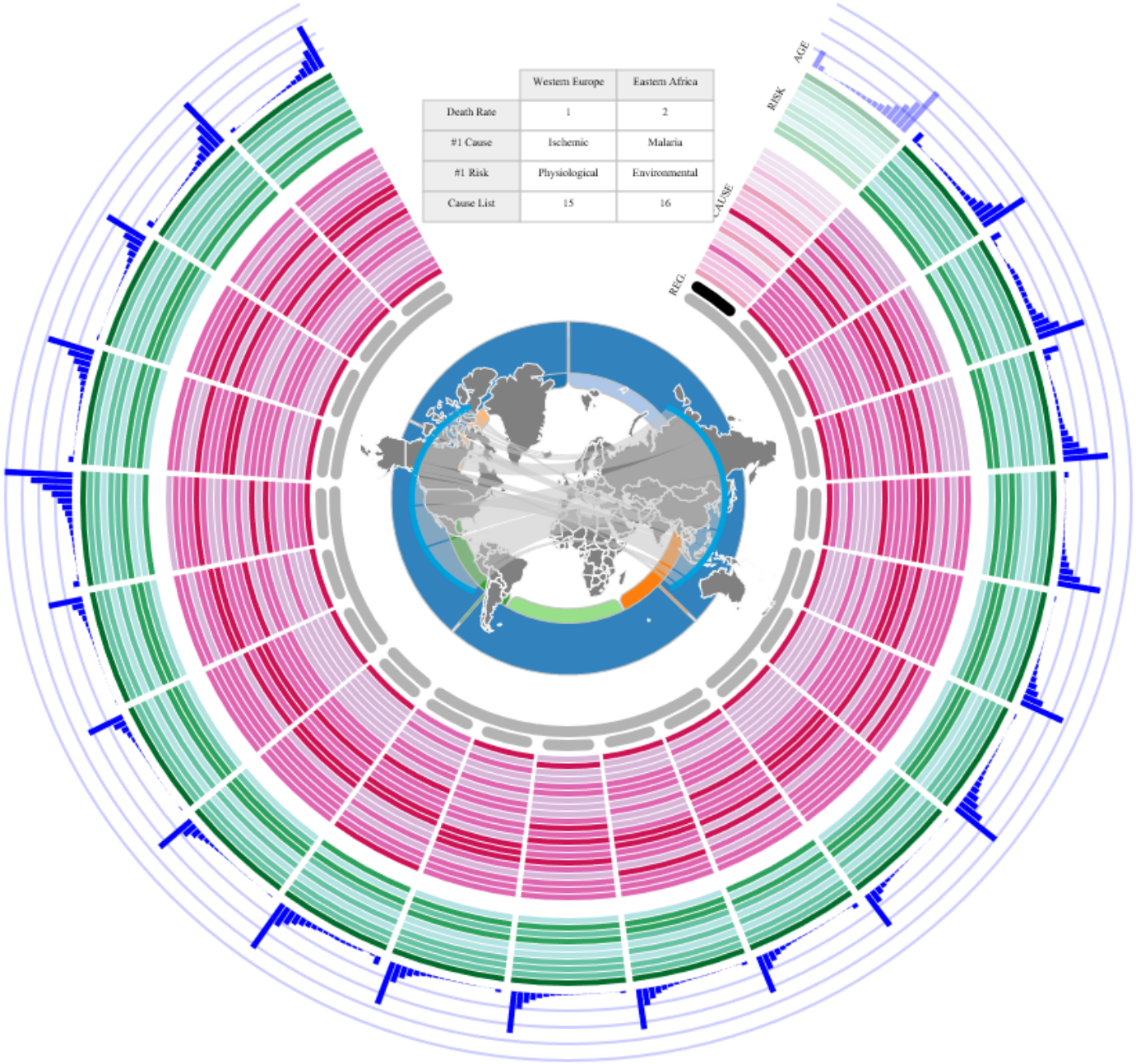
My research

- 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

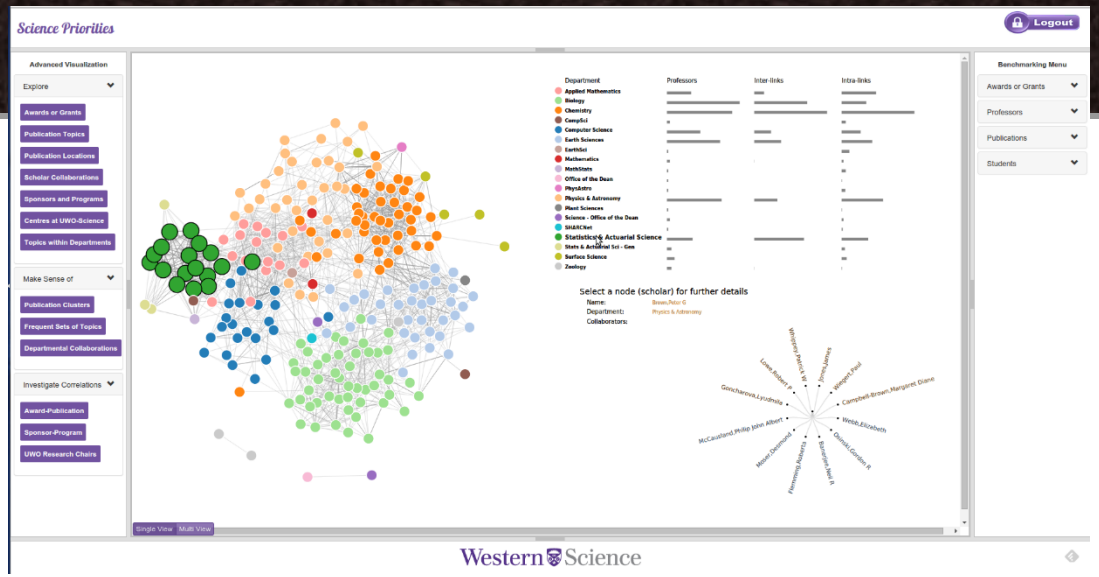
  Design of interactive software tools that support data-intensive complex human tasks
  - Data analysis & interpretation, investigation, problem solving, planning, decision making, …

Sub-areas and applications of my research

- 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
- …



	Western Europe	Eastern Africa
Death Rate	1	2
#1 Cause	Ischemic	Malaria
#1 Risk	Physiological	Environmental
Cause List	15	16


Science Priorities
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Advanced Visualization
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Investigate Correlations
Award-Publication
Sponsor-Program
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Intra-links
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Chemistry
CompSci
Computer Science
Earth Sciences
EarthSci
Mathematics
MathStats
Office of the Dean
PhysAstro
Physics & Astronomy
Plant Sciences
Science - Office of the Dean
StatsCtwt
Statistics & Actuarial Science
Stats & Actuarial Sci - Gen
Surface Science
Zoology
Select a node (scholar) for further details
Name:
Department:
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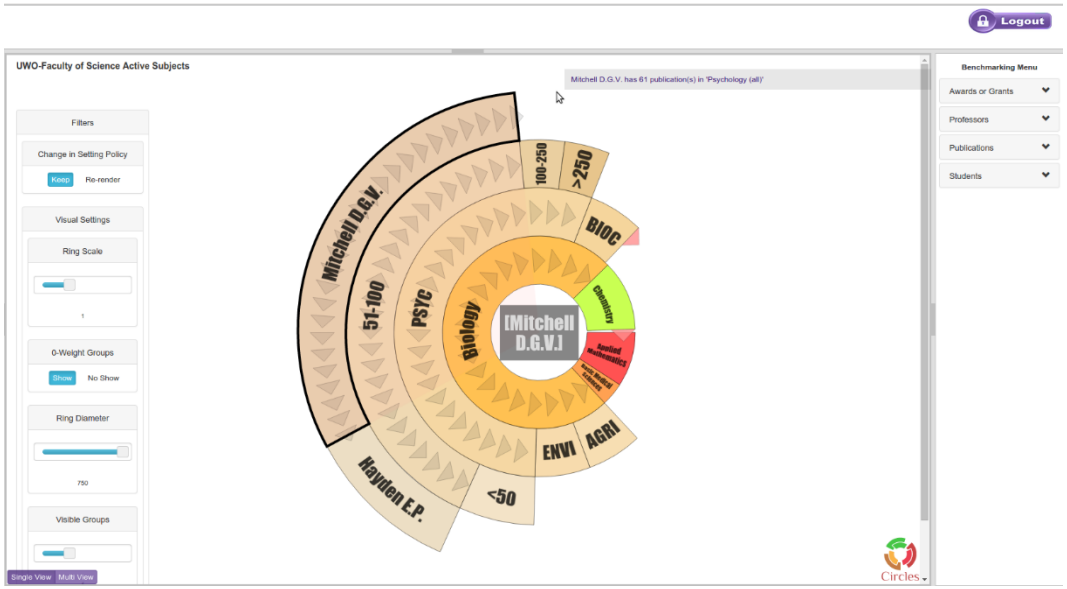
Multi View
Western Science


Logout
UWO-Faculty of Science Active Subjects
Mitchell D.G.V. has 61 publication(s) in 'Psychology (all)'
Filters
Change in Setting Policy
Keep
Re-render
Visual Settings
Ring Scale
0-Weight Groups
Show
No Show
Ring Diameter
750
Visible Groups
Single View
Multi View
Mitchell D.G.V.
Hayden E.P.
51-100
<50
100-250
>250
PSYC
BIOC
Biology
Chemistry
Applied Mathematics
ENVI
AGRI
[Mitchell D.G.V.]
Benchmarking Menu
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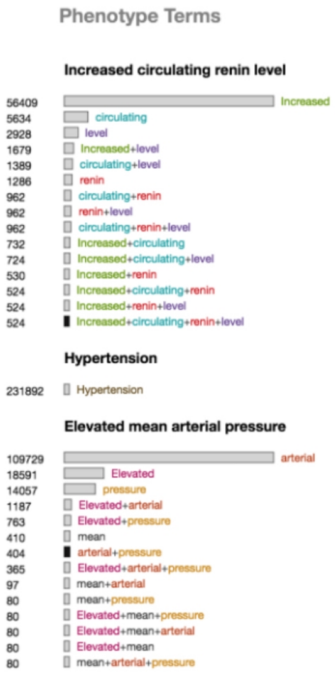
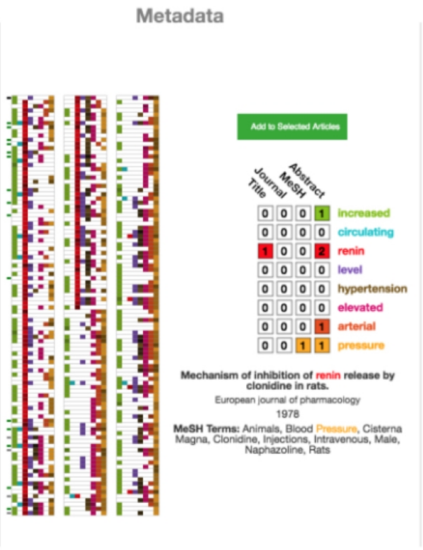
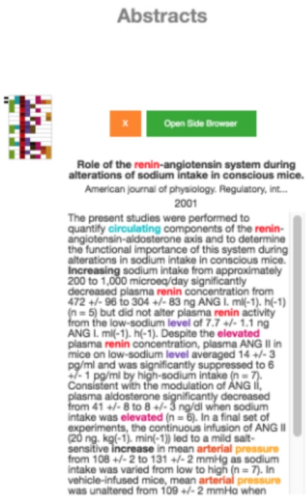
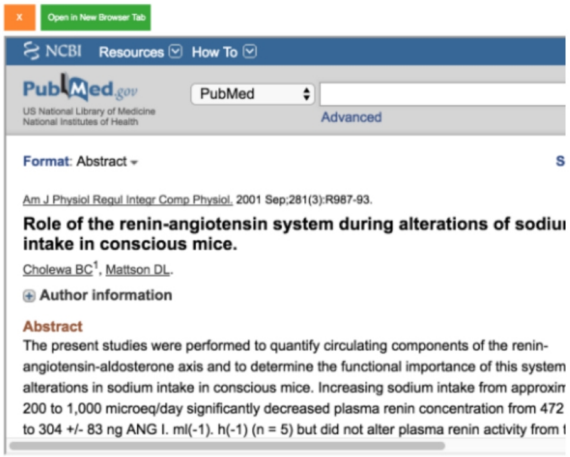

Phenotype Terms
Increased circulating renin level
56409 Increased
5634 circulating
2928 level
1679 Increased+level
1389 circulating+level
1286 renin
962 circulating+renin
962 renin+level
962 circulating+renin+level
732 Increased+circulating
724 Increased+circulating+level
530 Increased+renin
524 Increased+circulating+renin
524 Increased+renin+level
524 Increased+circulating+renin+level
Hypertension
231892 Hypertension
Elevated mean arterial pressure
109729 arterial
18591 Elevated
14057 pressure
1187 Elevated+arterial
763 Elevated+pressure
410 mean
404 arterial+pressure
365 Elevated+arterial+pressure
97 mean+arterial
80 mean+pressure
80 Elevated+mean+pressure
80 Elevated+mean+arterial
80 Elevated+mean
80 mean+arterial+pressure


Metadata
Add to Selected Articles
Journal Title
Abstract MeSH
0 0 0 1 increased
0 0 0 0 circulating
1 0 0 2 renin
0 0 0 0 level
0 0 0 0 hypertension
0 0 0 0 elevated
0 0 0 1 arterial
0 0 1 1 pressure
Mechanism of inhibition of renin release by clonidine in rats.
European journal of pharmacology
1978
MeSH Terms: Animals, Blood Pressure, Cisterna Magna, Clonidine, Injections, Intravenous, Male, Naphazoline, Rats


Abstracts
X
Open Side Browser
Role of the renin-angiotensin system during alterations of sodium intake in conscious mice.
American journal of physiology. Regulatory, int...
2001
The present studies were performed to quantify circulating components of the renin-angiotensin-aldosterone axis and to determine the functional importance of this system during alterations in sodium intake in conscious mice. Increasing sodium intake from approximately 200 to 1,000 microeq/day significantly decreased plasma renin concentration from 472 +/- 96 to 304 +/- 83 ng ANG I. ml(-1). h(-1) (n = 5) but did not alter plasma renin activity from the low-sodium level of 7.7 +/- 1.1 ng ANG I. ml(-1). h(-1). Despite the elevated plasma renin concentration, plasma ANG II in mice on low-sodium level averaged 14 +/- 3 pg/ml and was significantly suppressed to 6 +/- 1 pg/ml by high-sodium intake (n = 7). Consistent with the modulation of ANG II, plasma aldosterone significantly decreased from 41 +/- 8 to 8 +/- 3 ng/dl when sodium intake was elevated (n = 6). In a final set of experiments, the continuous infusion of ANG II (20 ng. kg(-1). min(-1)) led to a mild salt-sensitive increase in mean arterial pressure from 108 +/- 2 to 131 +/- 2 mmHg as sodium intake was varied from low to high (n = 7). In vehicle-infused mice, mean arterial pressure was unaltered from 109 +/- 2 mmHg when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US National Library of Medicine
National Institutes of Health
PubMed
Advanced
Format: Abstract
Am J Physiol Regul Integr Comp Physiol. 2001 Sep;281(3):R987-93.
Role of the renin-angiotensin system during alterations of sodiu
intake in conscious mice.
Cholewa BC[1], Mattson DL.
Author information
Abstract
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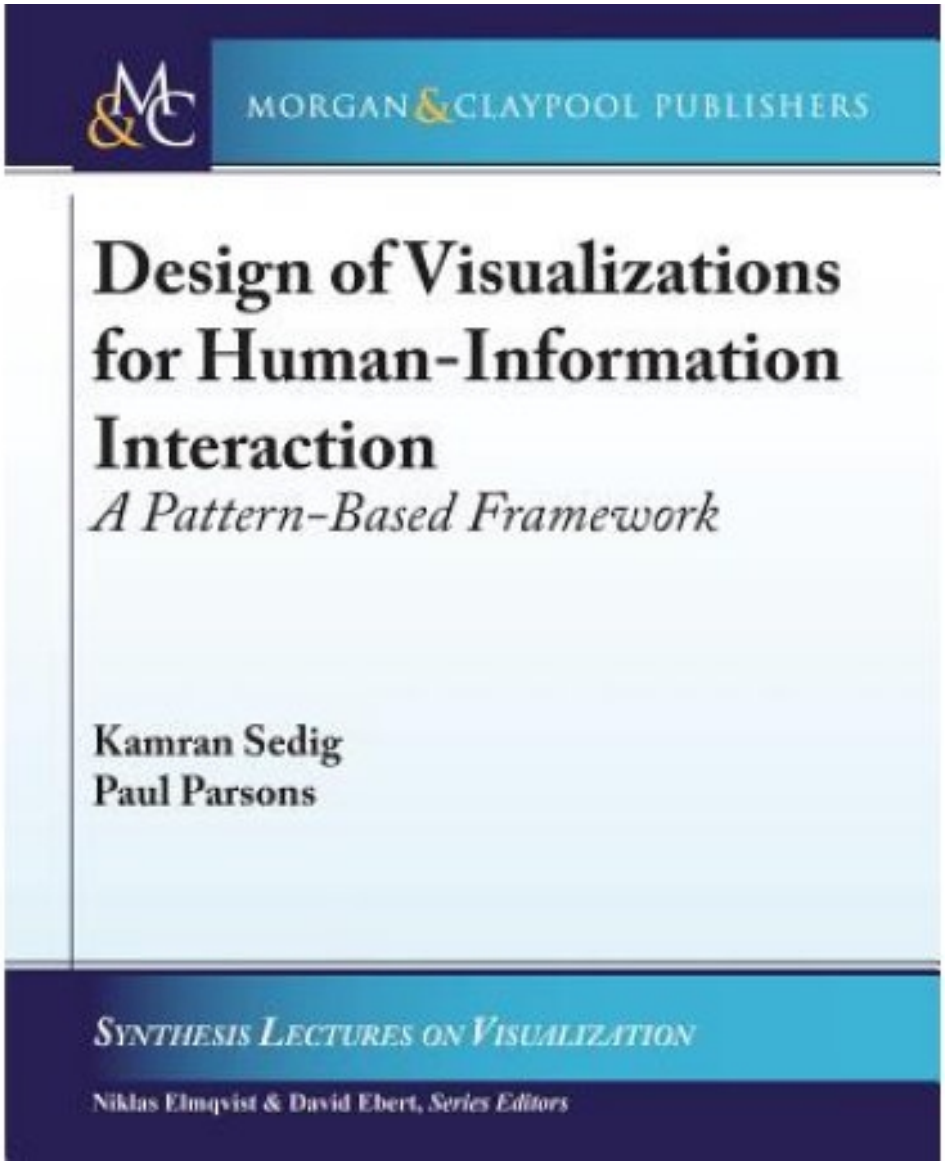
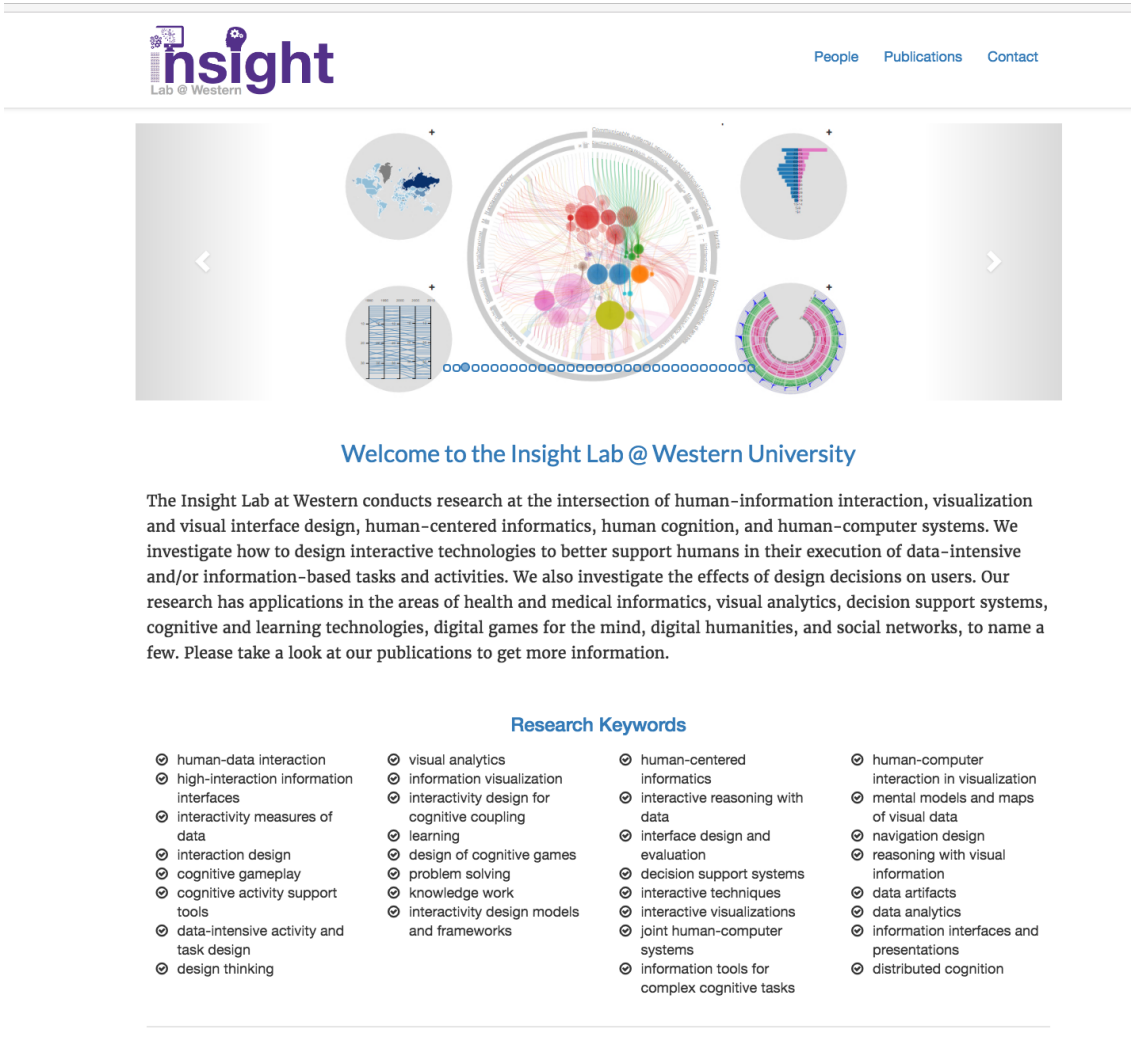
Recently published book



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; …

Fall 2018 (CS 9855a)

- 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)

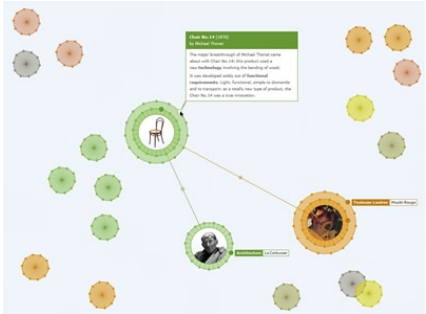
Evaluation scheme for CS 9855a

- 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%

(9639B)

- 1 cross-listed course (CS & Library & Information Science)

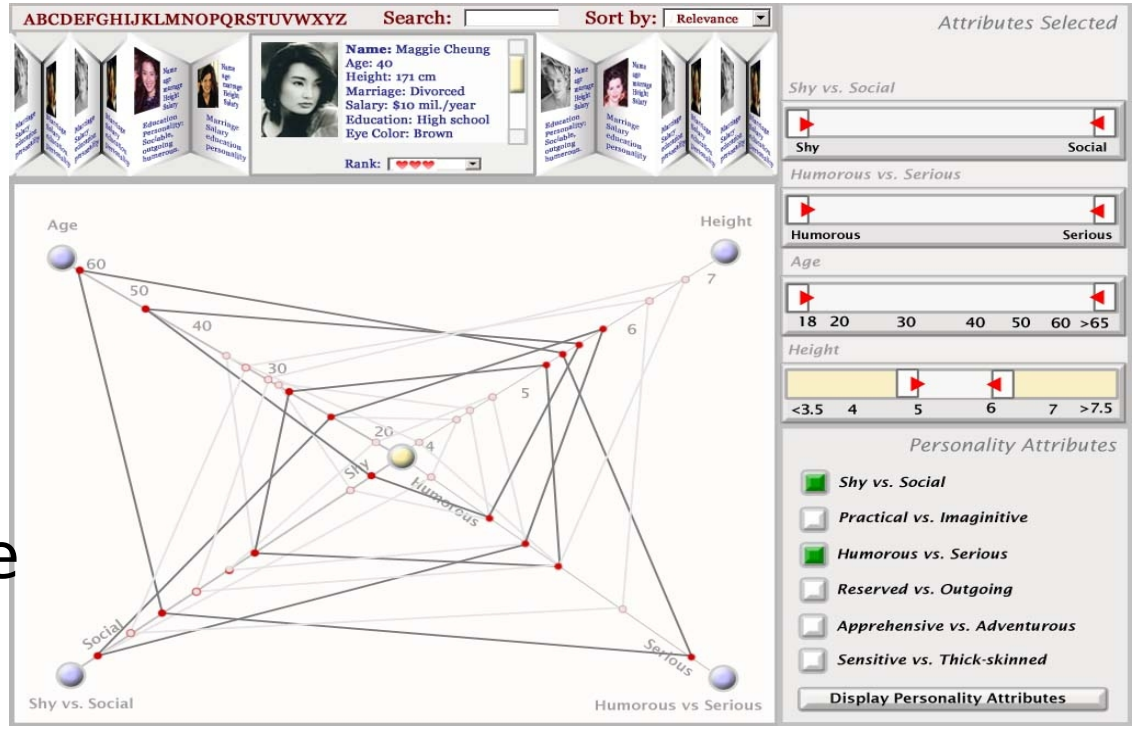
- Mondays, 9-12



W2015 Human Computer Interaction (9521B)

- 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