About myself

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

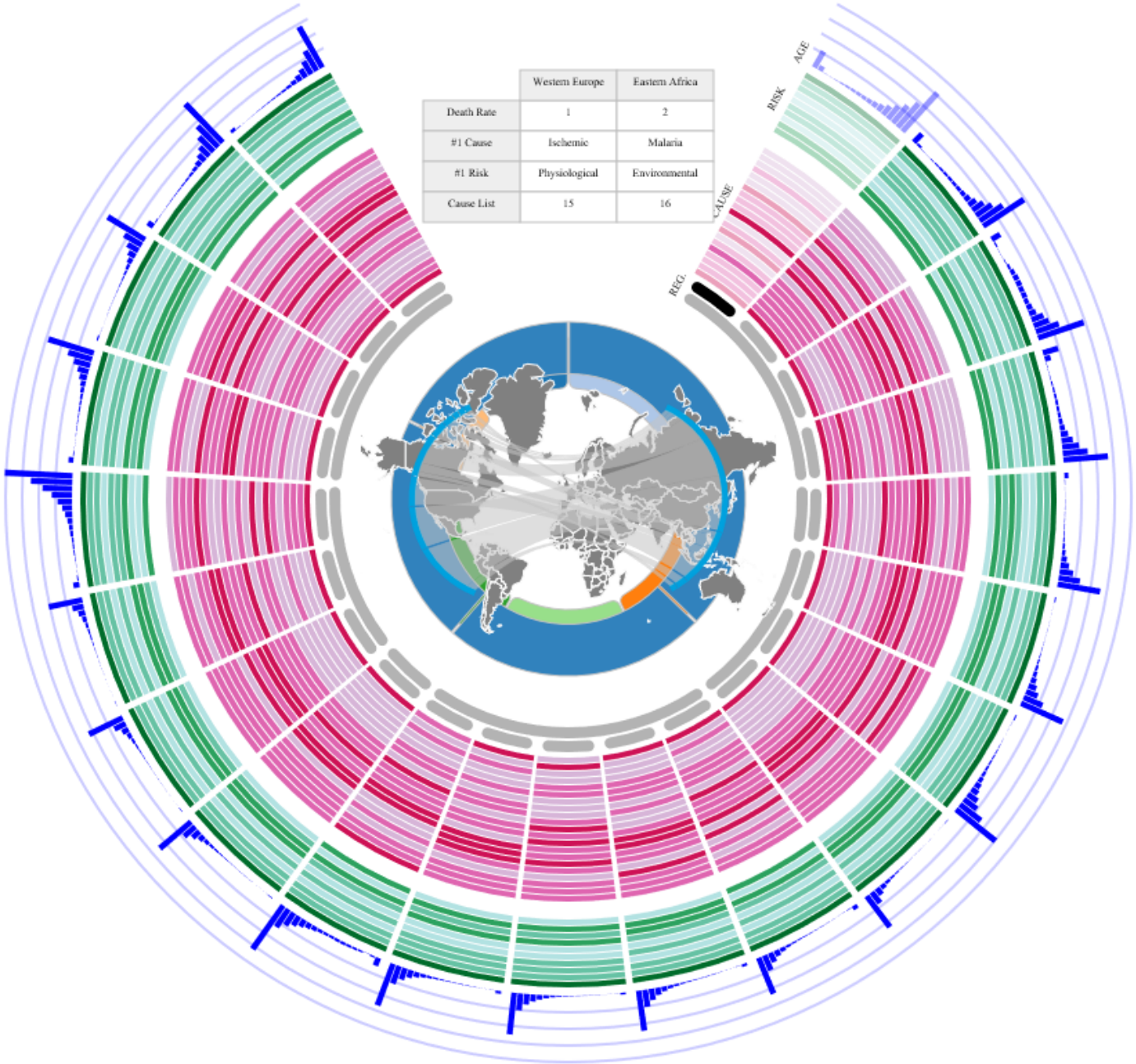
My research

- 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

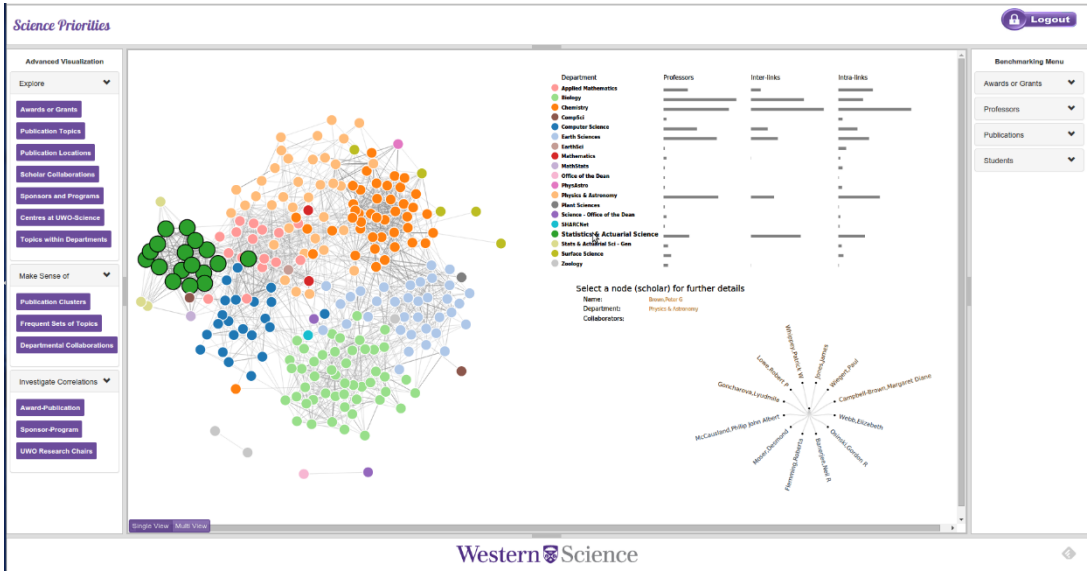
  Design of interactive software tools that support data-intensive complex human tasks
  - Data analysis & interpretation, investigation, problem solving, planning, decision making, …

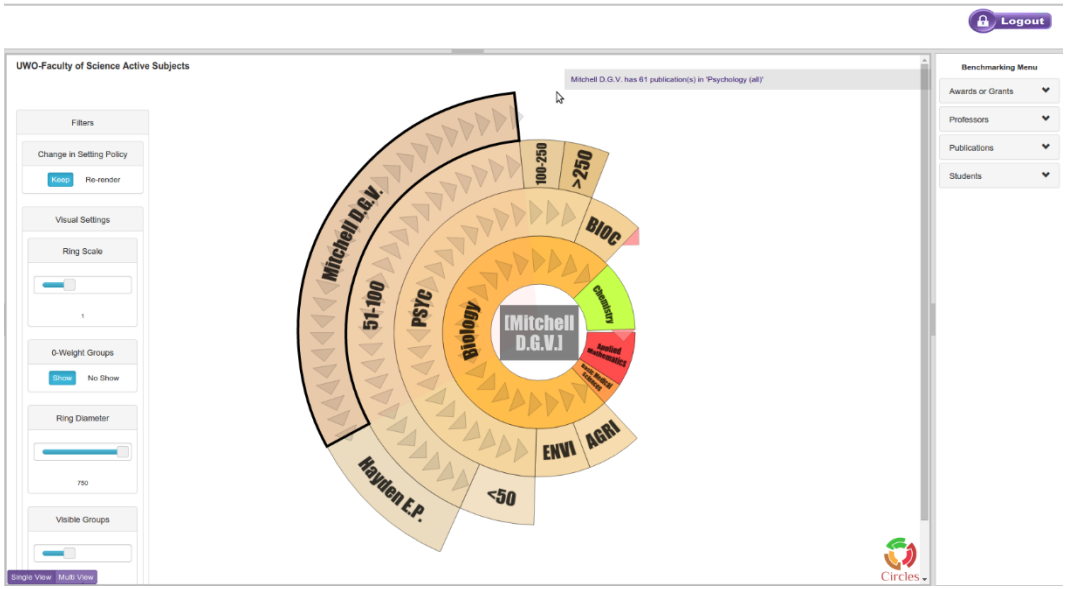
Sub-areas and applications of my research

- 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
Logout
Advanced Visualization
Explore
Awards or Grants
Publication Topics
Publication Locations
Scholar Collaborations
Sponsors and Programs
Centres at UWO-Science
Topics within Departments
Make Sense of
Publication Clusters
Frequent Sets of Topics
Departmental Collaborations
Investigate Correlations
Award-Publication
Sponsor-Program
UWO Research Chairs
Department
Professors
Inter-links
Intra-links
Applied Mathematics
Biology
Chemistry
Computer Science
Earth Sciences
Mathematics
Physics & Astronomy
Statistics & Actuarial Science
Zoology
Select a node (scholar) for further details
Name:
Department:
Collaborators:
Benchmarking Menu
Awards or Grants
Professors
Publications
Students
Single View
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
Mitchell D.G.V.
51-100
Hayden E.P.
<50
PSYC
Biology
[Mitchell D.G.V.]
100-250
>250
BIOC
Chemistry
ENVI
AGRI
Benchmarking Menu
Awards or Grants
Professors
Publications
Students
Single View
Multi View
Circles

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

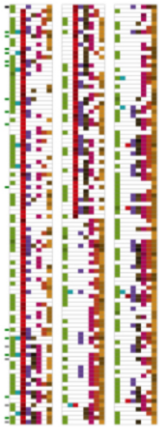
Hypertension

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

Selected Article

X Open in New Browser Tab

NCBI Resources How To

PubMed.gov

US National Library of Medicine
National Institutes of Health

PubMed Advanced

Format: Abstract S

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.

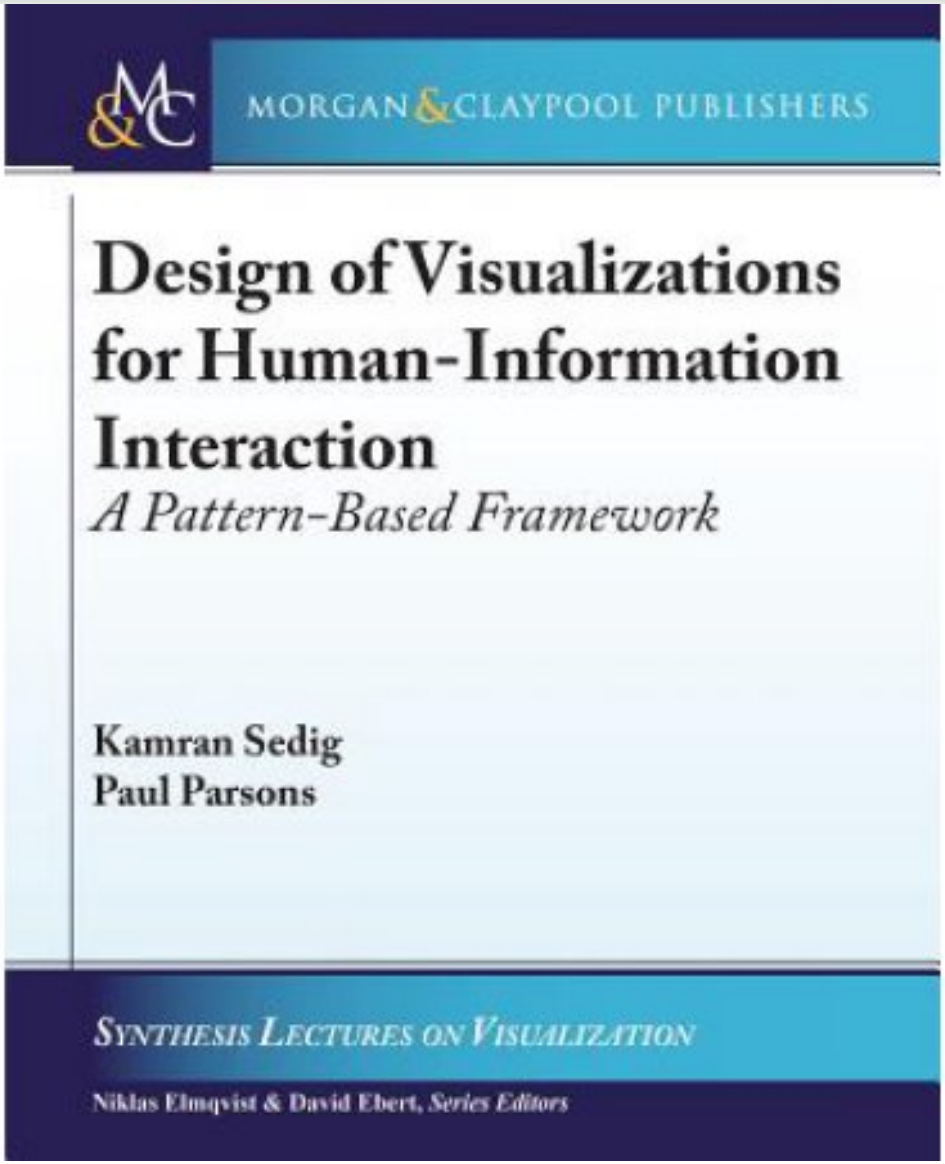
Cholewa BC[1], Mattson DL.

Author information

Abstract

The present studies were performed to quantify circulating components of the renin-angiotensin-aldosterone axis and to determine the functional importance of this system alterations in sodium intake in conscious mice. Increasing sodium intake from approxim 200 to 1,000 microeq/day significantly decreased plasma renin concentration from 472 to 304 +/- 83 ng ANG I. ml(-1). h(-1) (n = 5) but did not alter plasma renin activity from

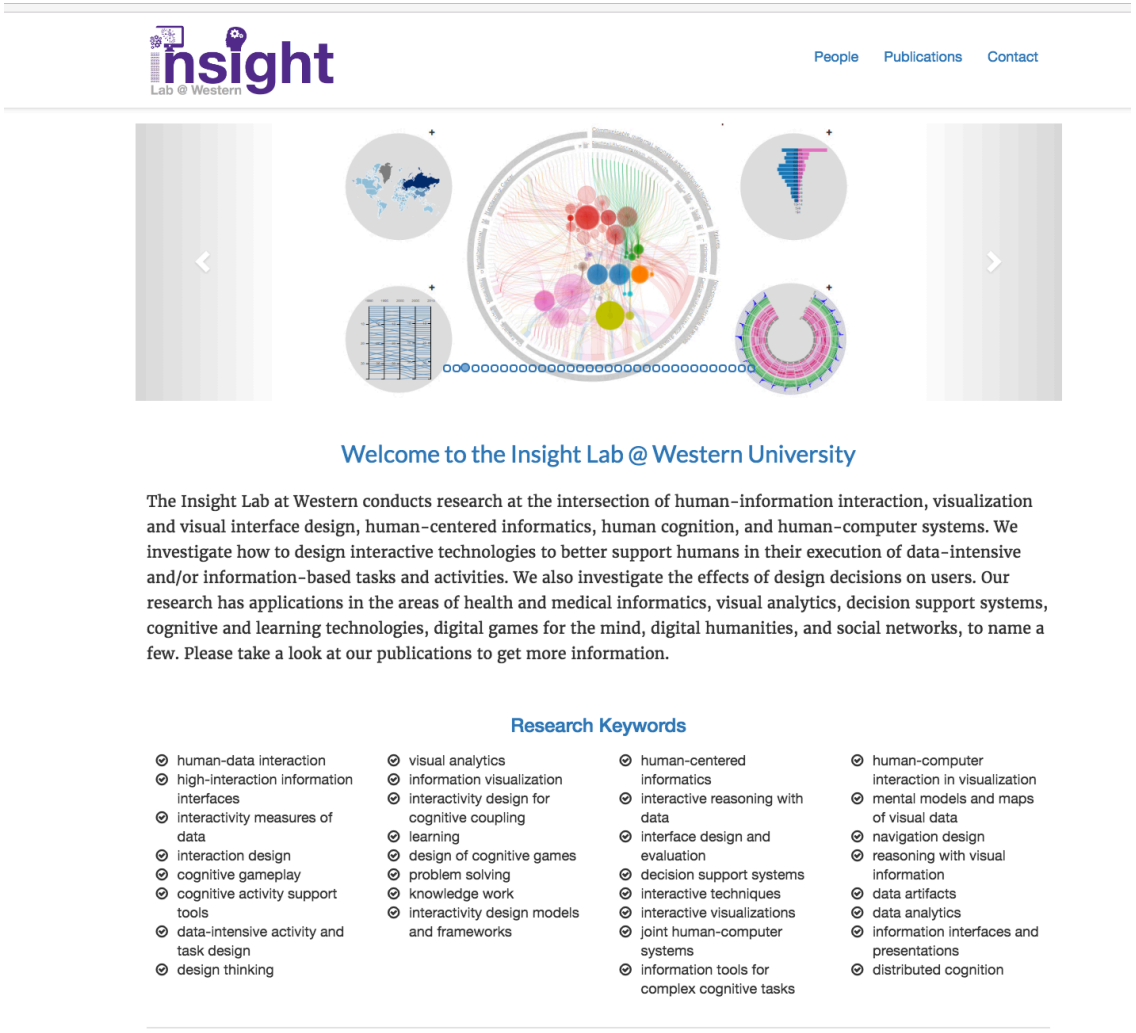
Recently published book



My research

- Visit our research lab:

insight.uwo.ca

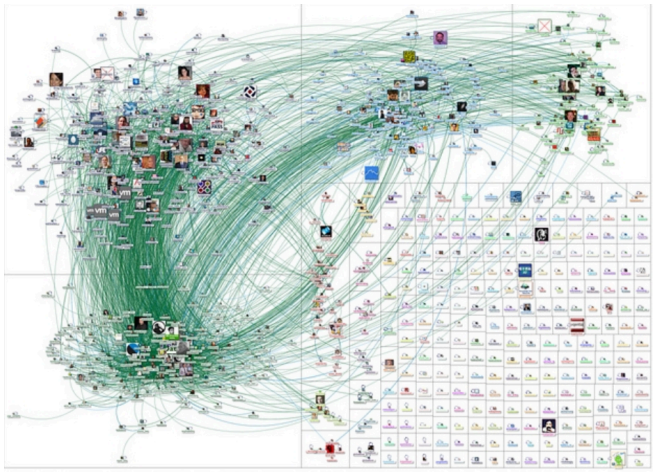


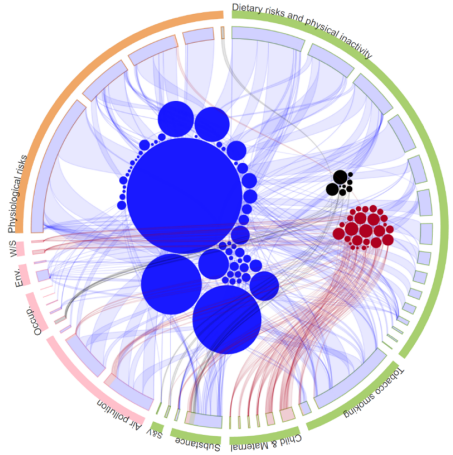
Graduate students (12)

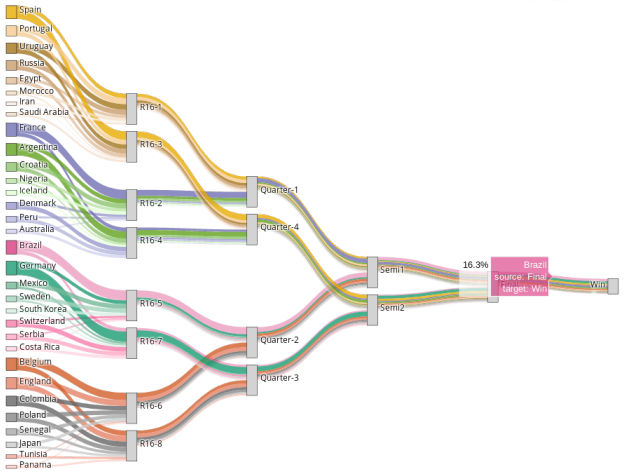
- 6 PhD in Computer Science (2 with Dr. Lizotte)
- 2 PhD in Information Science
- 4 MSc in Computer Science (2 with Dr. Haque, 1 with Dr. Lizotte)
- Areas:
  - Visual analytics; medical visual analytics; role of information & cognition in evidence-based medicine; visual document search and triaging;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

F2019 Information Visualization (9639A)

- 1 cross-listed course (CS & Library & Information Science)
- Mondays, 9-12





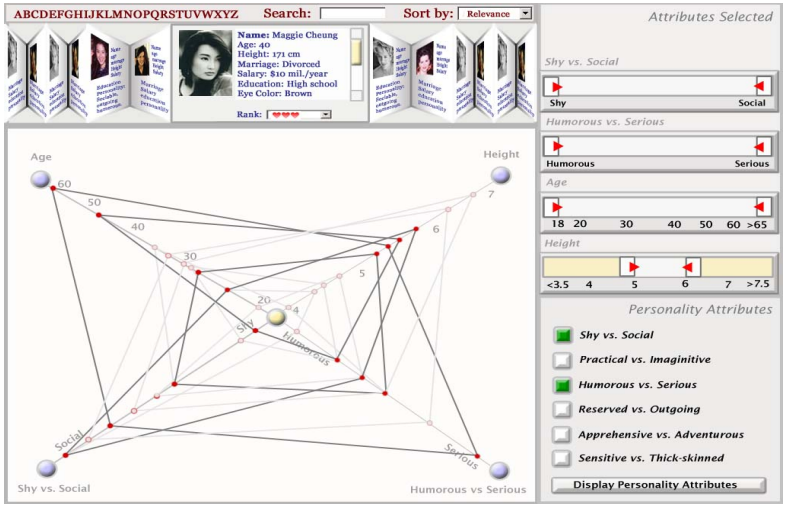


Evaluation scheme for CS 9639A

- **Paper Summaries – 8 (8%)**
- **In-Class Case Studies – 7 (7%)**
- **In-Class Design Studios – 4 (16%)**
- **System Presentation – 2 (10%)**
- **Term-Long Team-Based Design Project (34%)**

W2020 Human-Computer Interaction (9521B)

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



Winter courses

- Evaluation for CS9521b will be decided later on