DCS/CSCI 2350: Social and Economic Networks

www.mtirfan.com/DCS-2350

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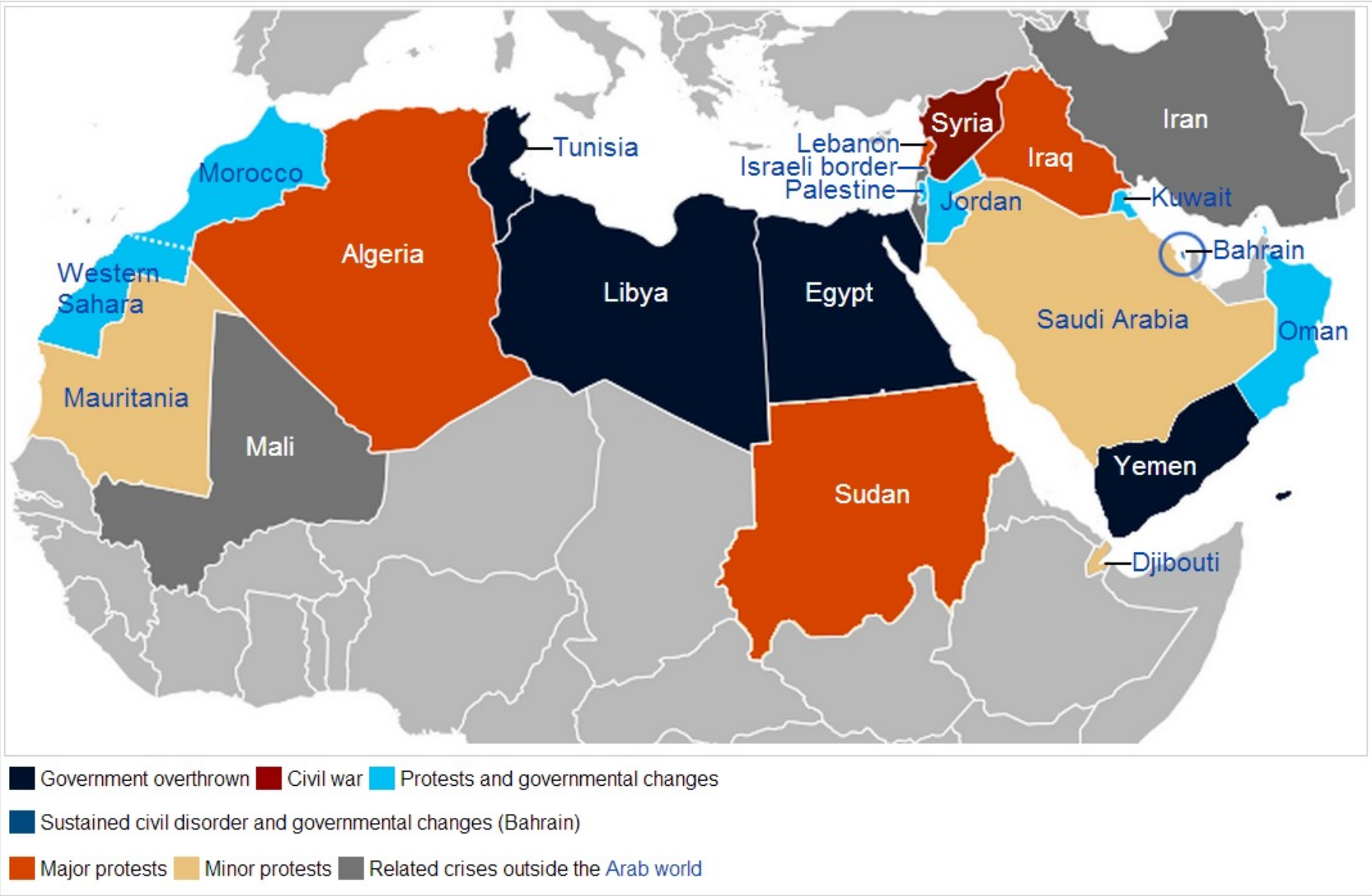
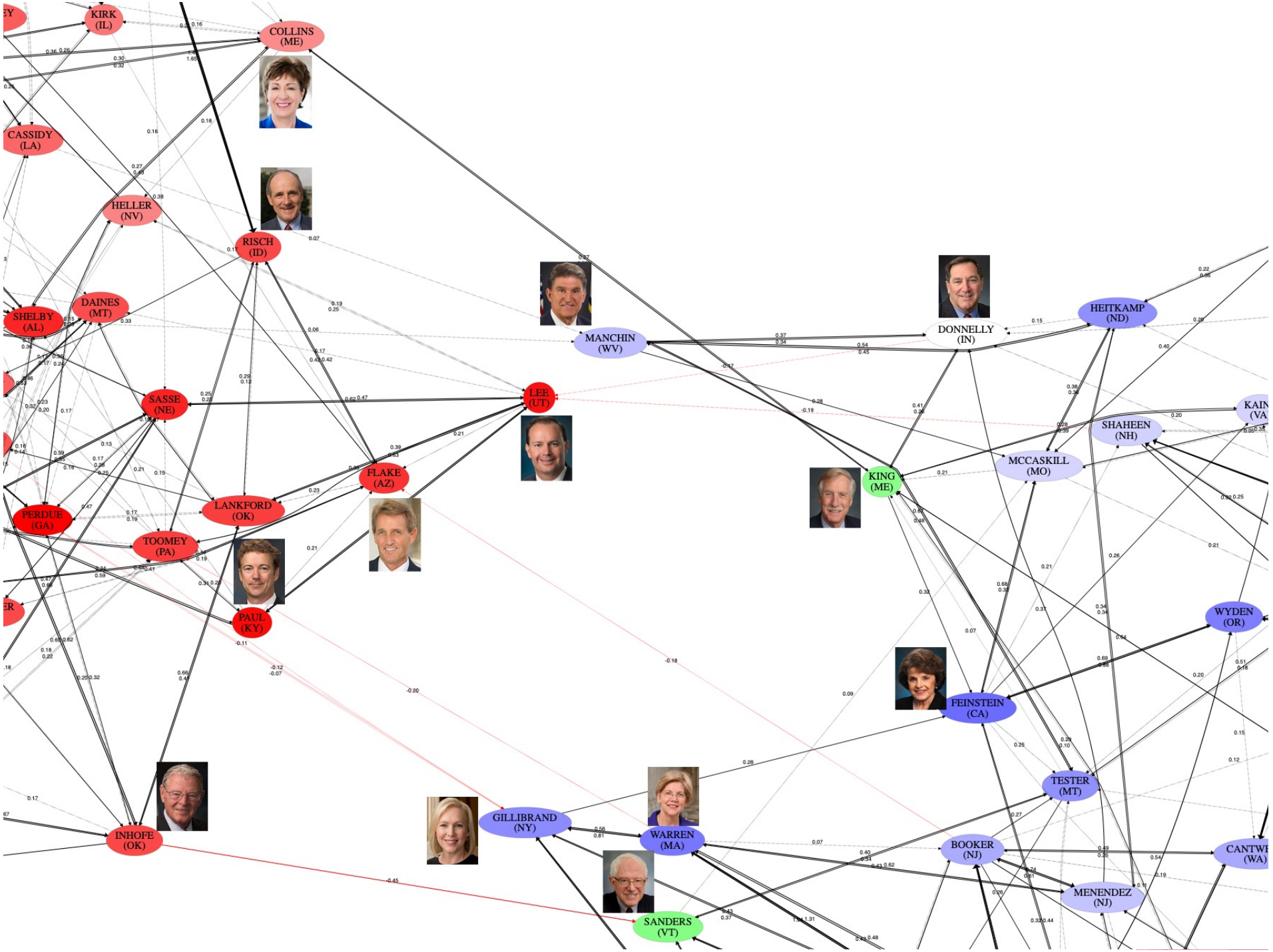
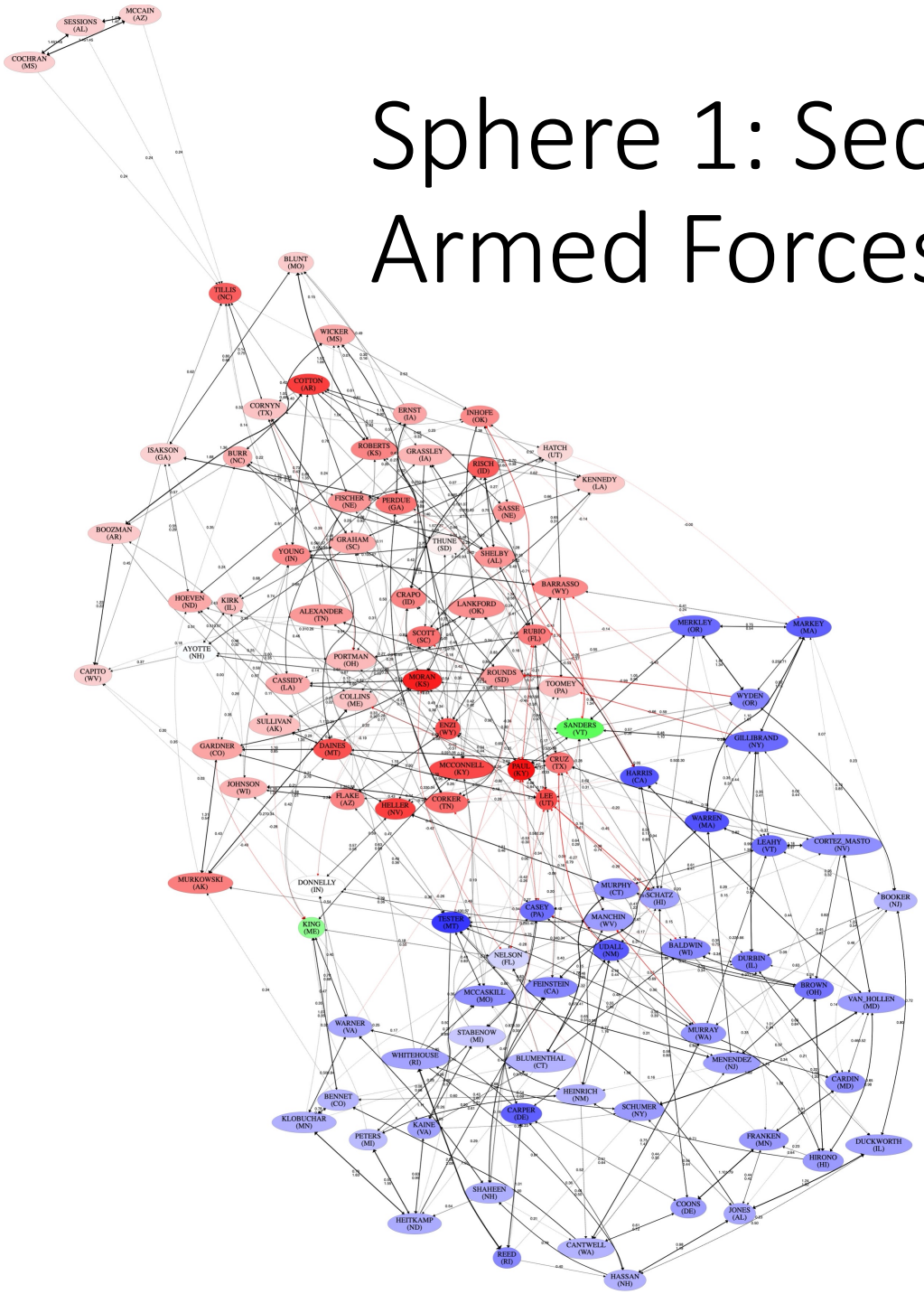

Tunisia
Morocco
Algeria
Western Sahara
Libya
Egypt
Mauritania
Mali
Sudan
Lebanon
Israeli border
Palestine
Syria
Iraq
Iran
Jordan
Kuwait
Bahrain
Saudi Arabia
Oman
Yemen
Djibouti
Government overthrown
Civil war
Protests and governmental changes
Sustained civil disorder and governmental changes (Bahrain)
Major protests
Minor protests
Related crises outside the Arab world

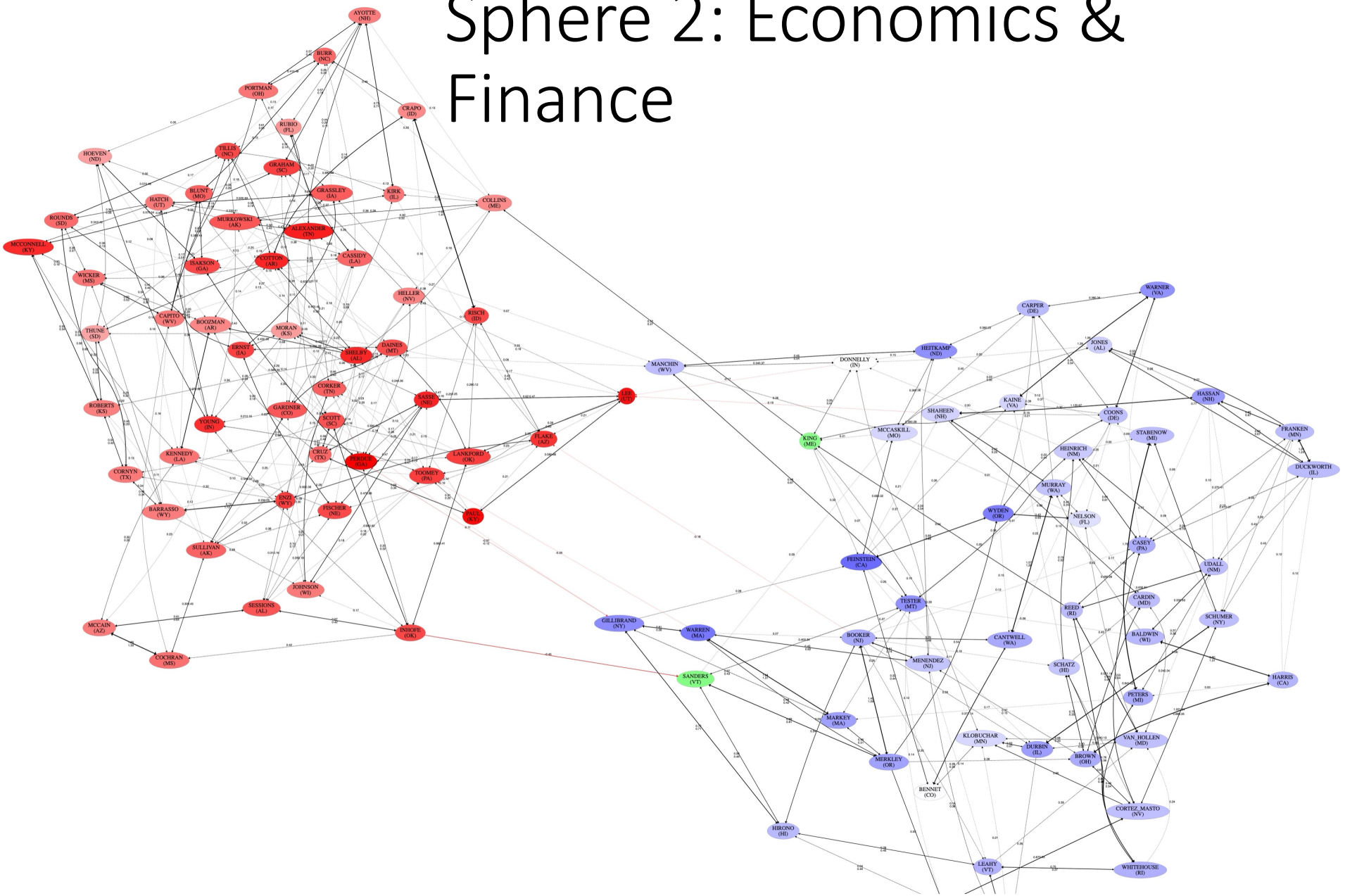
About myself


KIRK (IL)
COLLINS (ME)
CASSIDY (LA)
HELLER (NV)
RISCH (ID)
DAINES (MT)
SHELBY (AL)
SASSE (NE)
PERDUE (GA)
LANKFORD (OK)
TOOMEY (PA)
FLAKE (AZ)
PAUL (KY)
INHOFE (OK)
LEE (UT)
MANCHIN (WV)
DONNELLY (IN)
HEITKAMP (ND)
KING (ME)
MCCASKILL (MO)
SHAHEEN (NH)
WYDEN (OR)
FEINSTEIN (CA)
TESTER (MT)
BOOKER (NJ)
MENENDEZ (NJ)
GILLIBRAND (NY)
WARREN (MA)
SANDERS (VT)

Sphere 1: Security & Armed Forces



Sphere 2: Economics & Finance



Bowdoin Effort Earns Top Award at International Computer Science Conference Archives

July 31, 2018 by Tom Porter

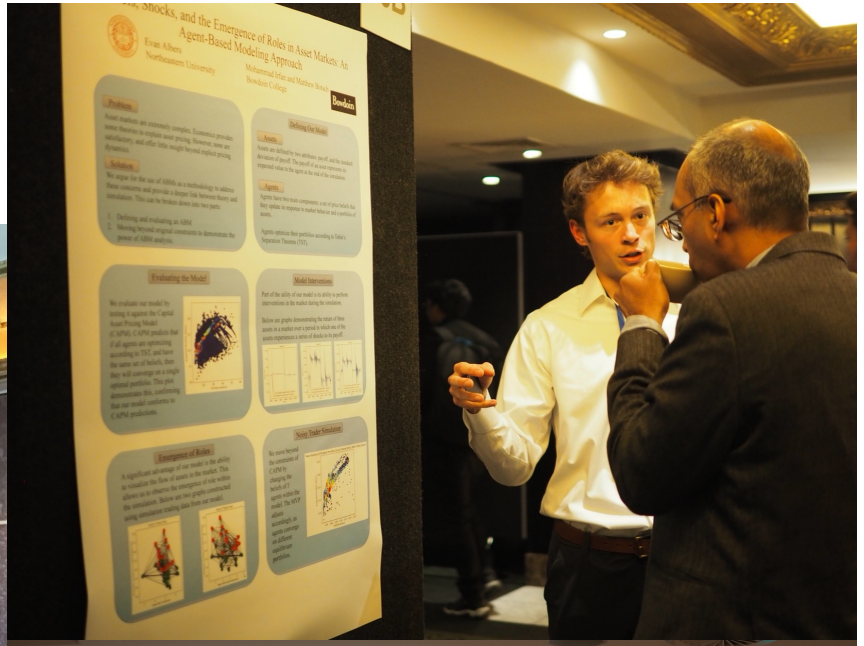
Best Paper Award
AAMAS 2018, Sweden
(# submissions: 607, acceptance rate 25%)

Paper with
Tucker Gordon ’17

Professor Mohammad Irfan, in the middle, receives the Best Paper Award from AAMAS Program Chairs Gita Sukthankar (L) and Mehdi Dastani (R).

A research paper coauthored by a Bowdoin professor and one of his former students has earned the top spot at a recent computer science conference in Sweden. The paper employs computational game theory to model and predict congressional voting patterns. It was written by Assistant Professor of Digital and Computational Studies and Computer Science Mohammad Irfan and Tucker Gordon ’17,

Best Paper Runner-Up Award
AAMAS 2024, New Zealand
(# submissions: 1,113, acceptance rate 20%)



Paper with
Evan Albers ’22

How Does Our Social Network Influence Our Behavioral Choices?

"No man is an island" wrote the poet John Donne in 1624, meaning whether we like it or not, we are all connected. It's an assertion that rings truer than ever in today's networked world, and a it's a central theme of the research currently being done by computer scientist Mohammad Irfan and his colleagues.

NSF Core Research Grant

ssor of Digital and Computational and Computer Science (CS) Irfan d to secure around half a million ng for an exciting multiyear ing human interactions in networks. The research could have implications for many fields, he says, from public health to energy pricing to finance to the analysis of congressional voting patterns.

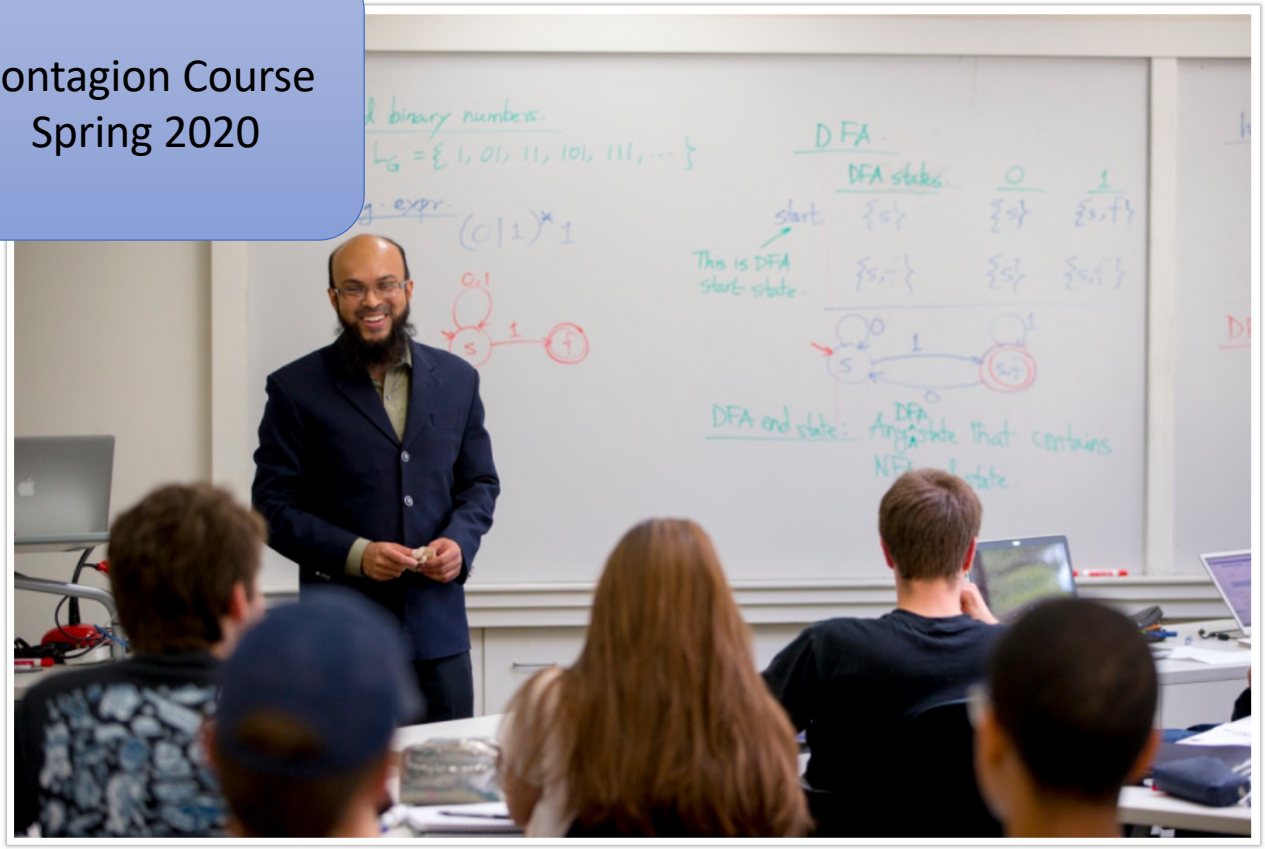
The award was made by the National Science Foundation (NSF) and done in collaboration with Luis E. Ortiz of the University of Michigan—Dearborn, for a multiyear research initiative. It's all part of a core NSF program called Information and Intelligent Systems, says Irfan, who is the project director (while Bowdoin is the lead organization.)

Published April 29, 2020 by Rebecca Goldfine

Contagion Class Turns Out to Be Prescient

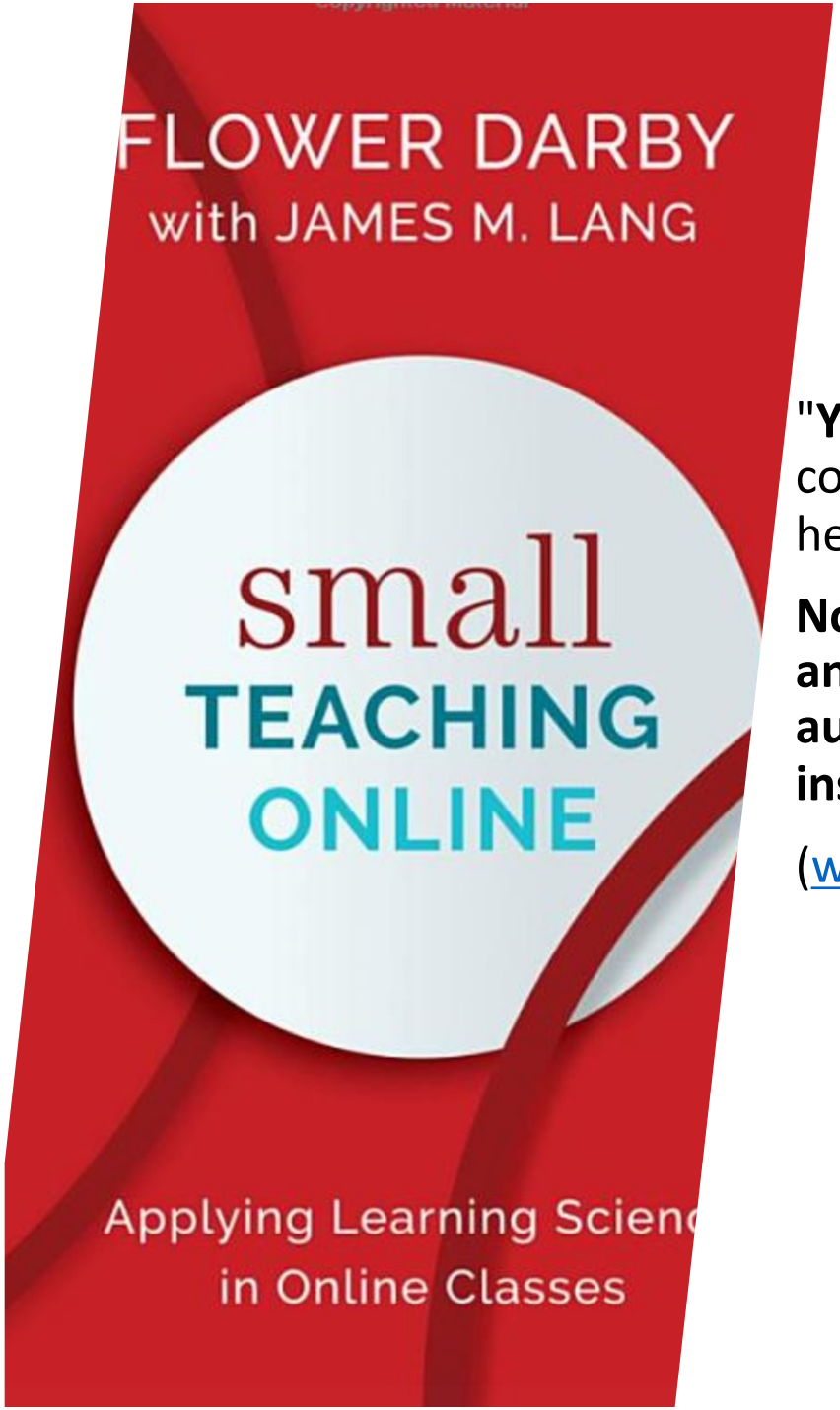
Last summer, when Mohammad Irfan began planning for his new digital and computational studies class, Contagion, he had no inkling of just how relevant the subject matter would become.

Contagion Course
Spring 2020



Assistant Professor of Digital and Computational Studies and Computer Science Mohammad Irfan.

He was very satisfied with his teaching career.
He said something that reminded me of my own students.
He said, “The students of Collegiate School wanted to learn beyond textbooks. And if the students are not interested in learning, then there’s no joy in teaching.”
What a beautiful thing to say! That’s why I’m itching to get into a class (even during my sabbatical).



Advice to faculty

"**Your students want you.** Great content and a well-organized class help. But mostly they want you …

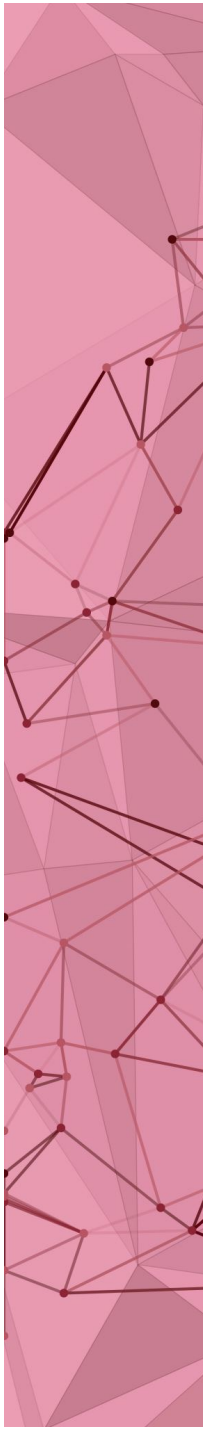
No amount of sophisticated bells and whistles can replace an authentic, present and engaged instructor."

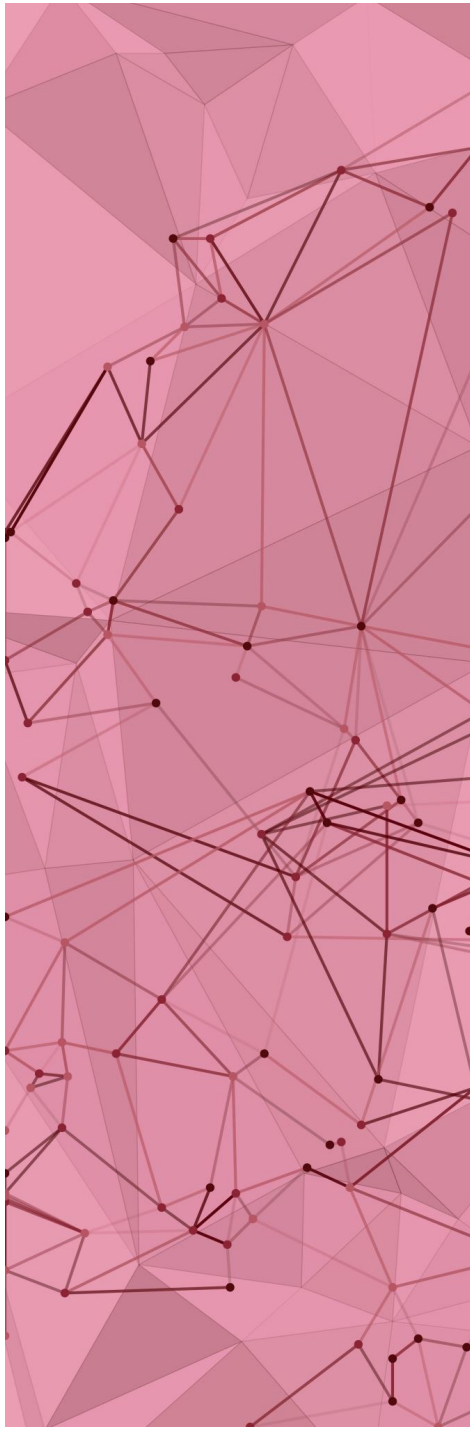
(www.insidehighered.com)

I teach humans

intellectually challenging courses with

care, compassion, and emotional engagement.





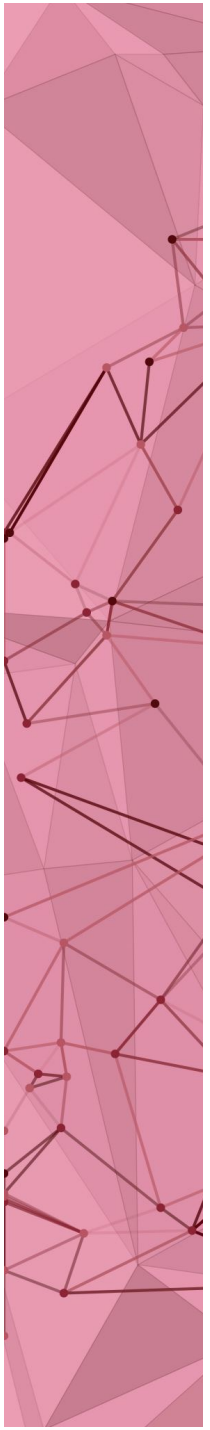
About You

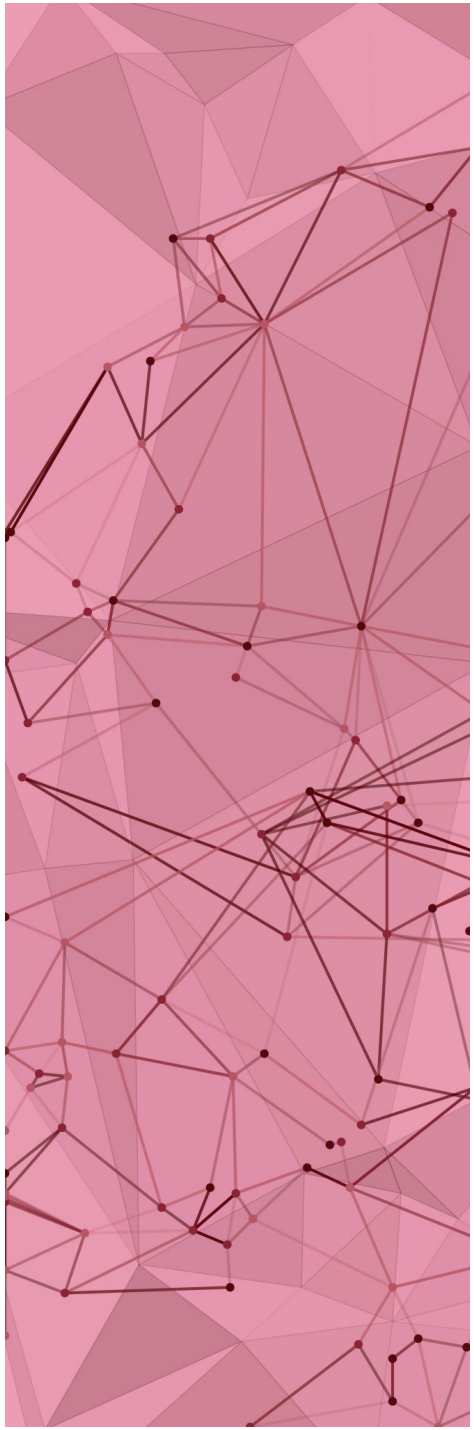
Syllabus and required background

Course website:

www.mtirfan.com/DCS-2350

Canvas for assignments, books, etc.





Homework

Install Gephi before next class

Bring your laptop next week