



DCS/CSCI 2350: Social and Economic Networks

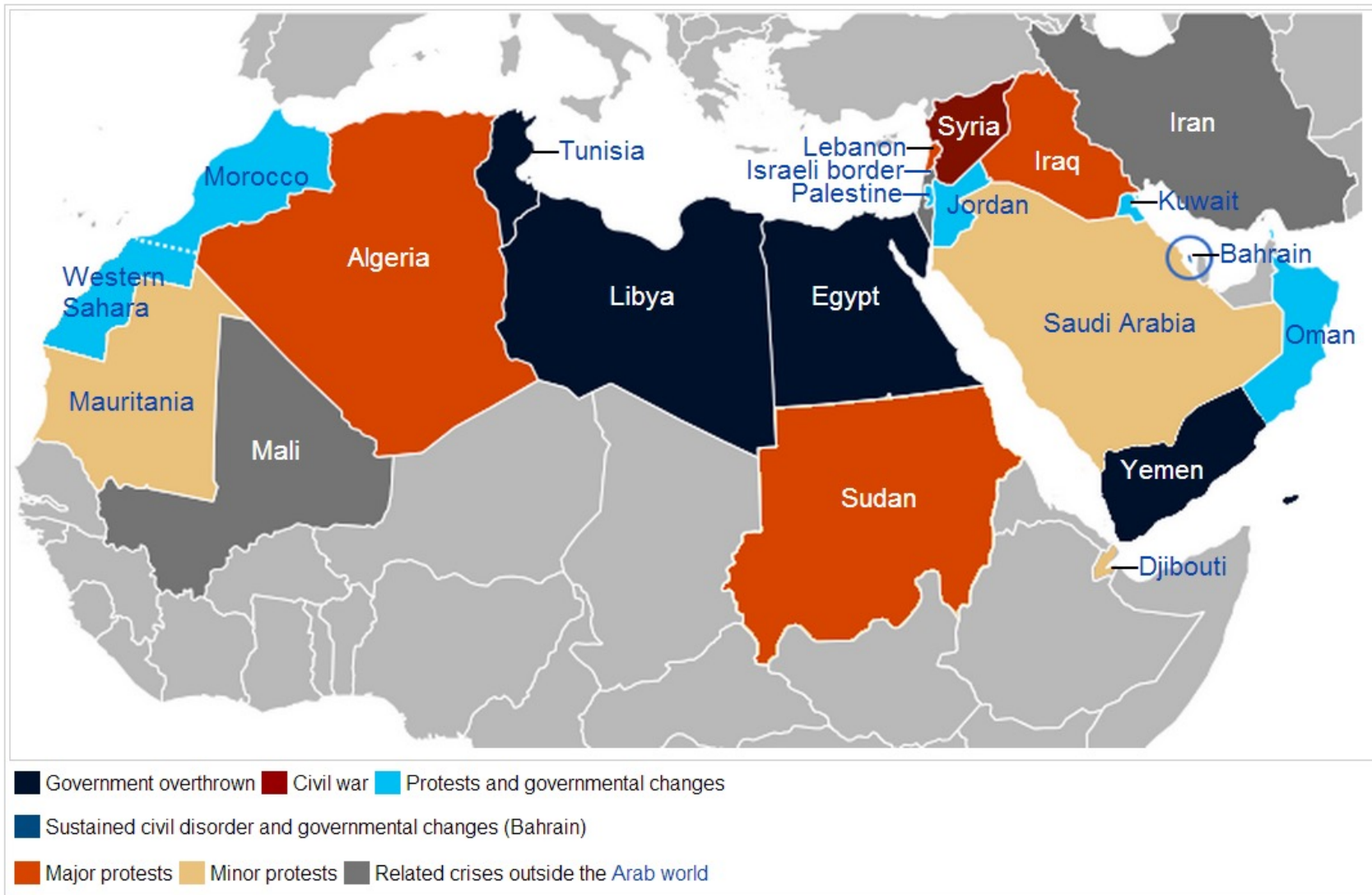
www.mtirfan.com/DCS-2350

Mohammad T. Irfan

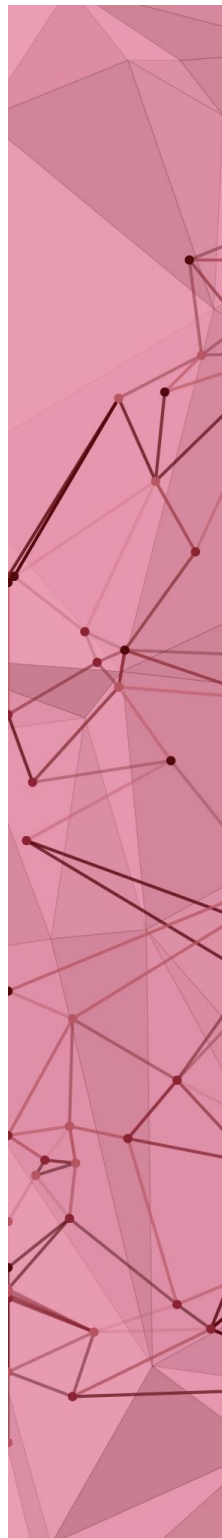
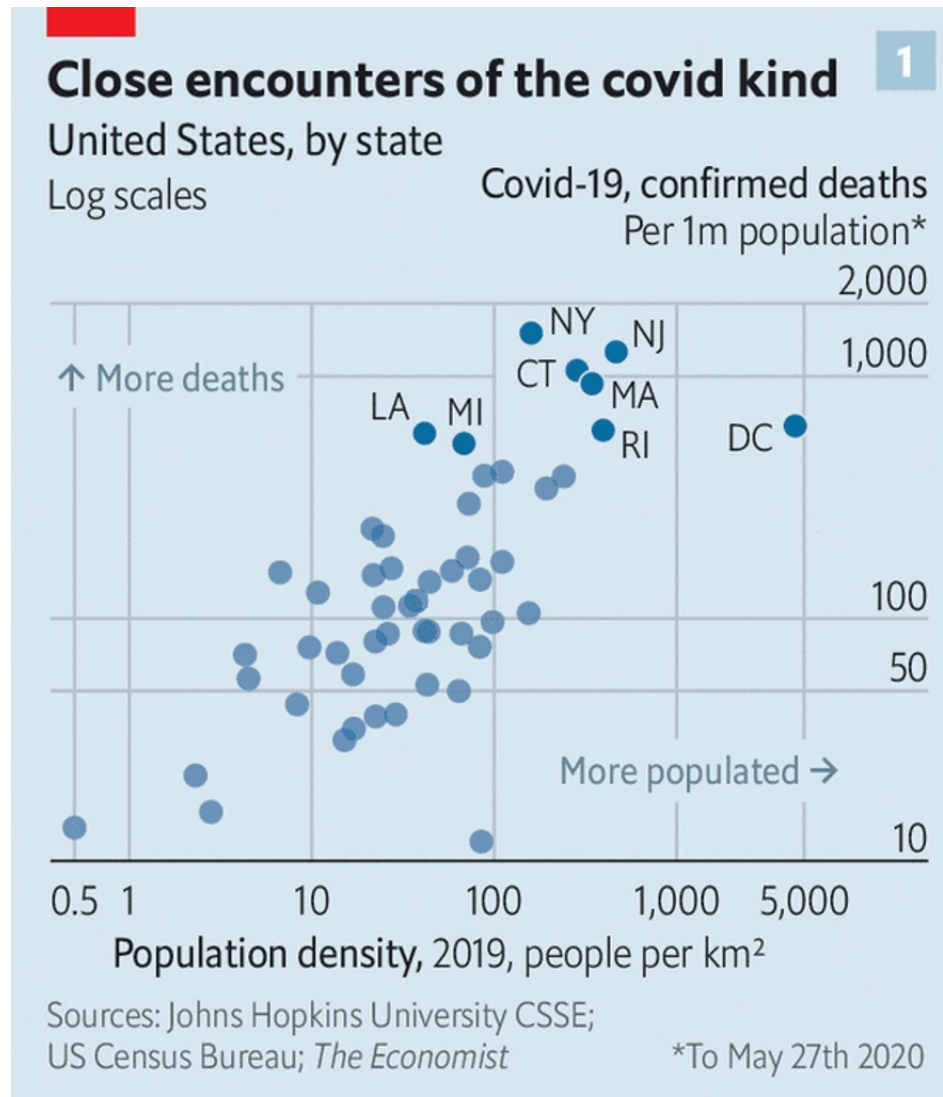
Email: mirfan@bowdoin.edu

Web: www.mtirfan.com

What does a Tunisian fruit seller have anything to do with the Saudi-Iran proxy war in Yemen?

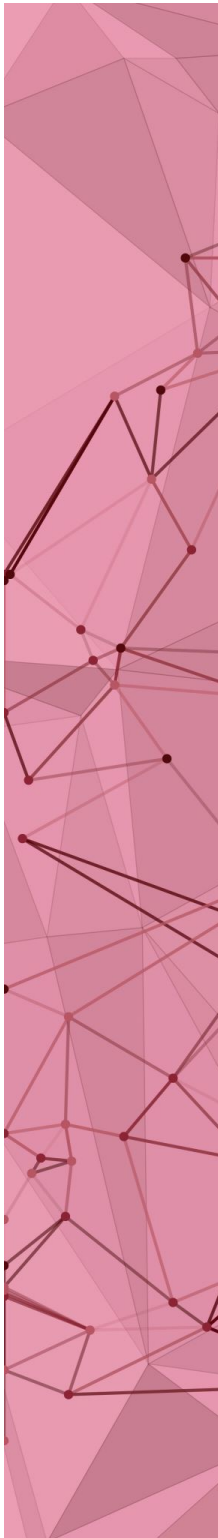


Why did Covid impact the northeastern part of the U.S. or countries like Italy so much?



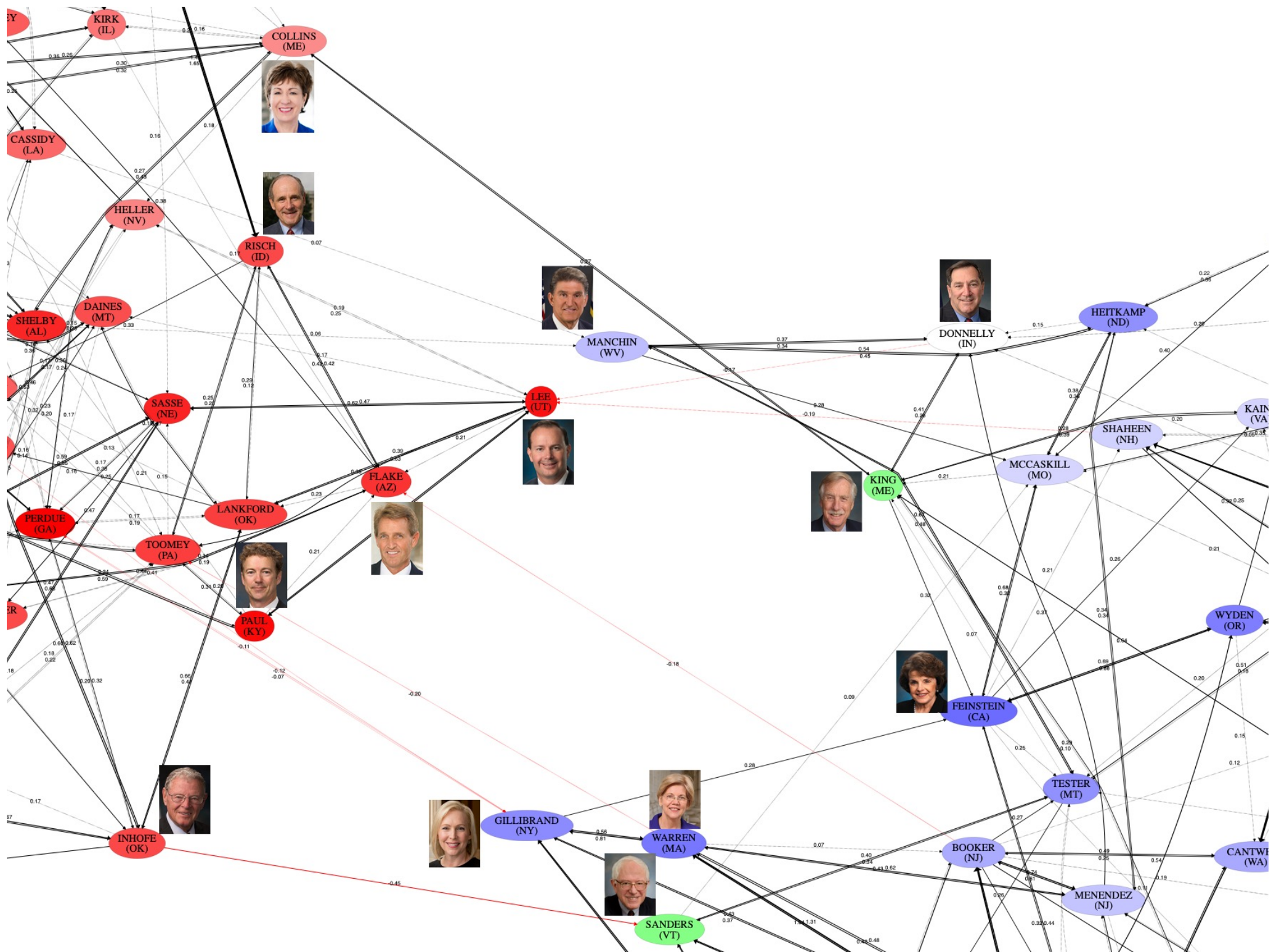
What do these examples have in common?

Additionally, how are they even remotely related to things like the U.S. residency matching or kidney exchange programs?

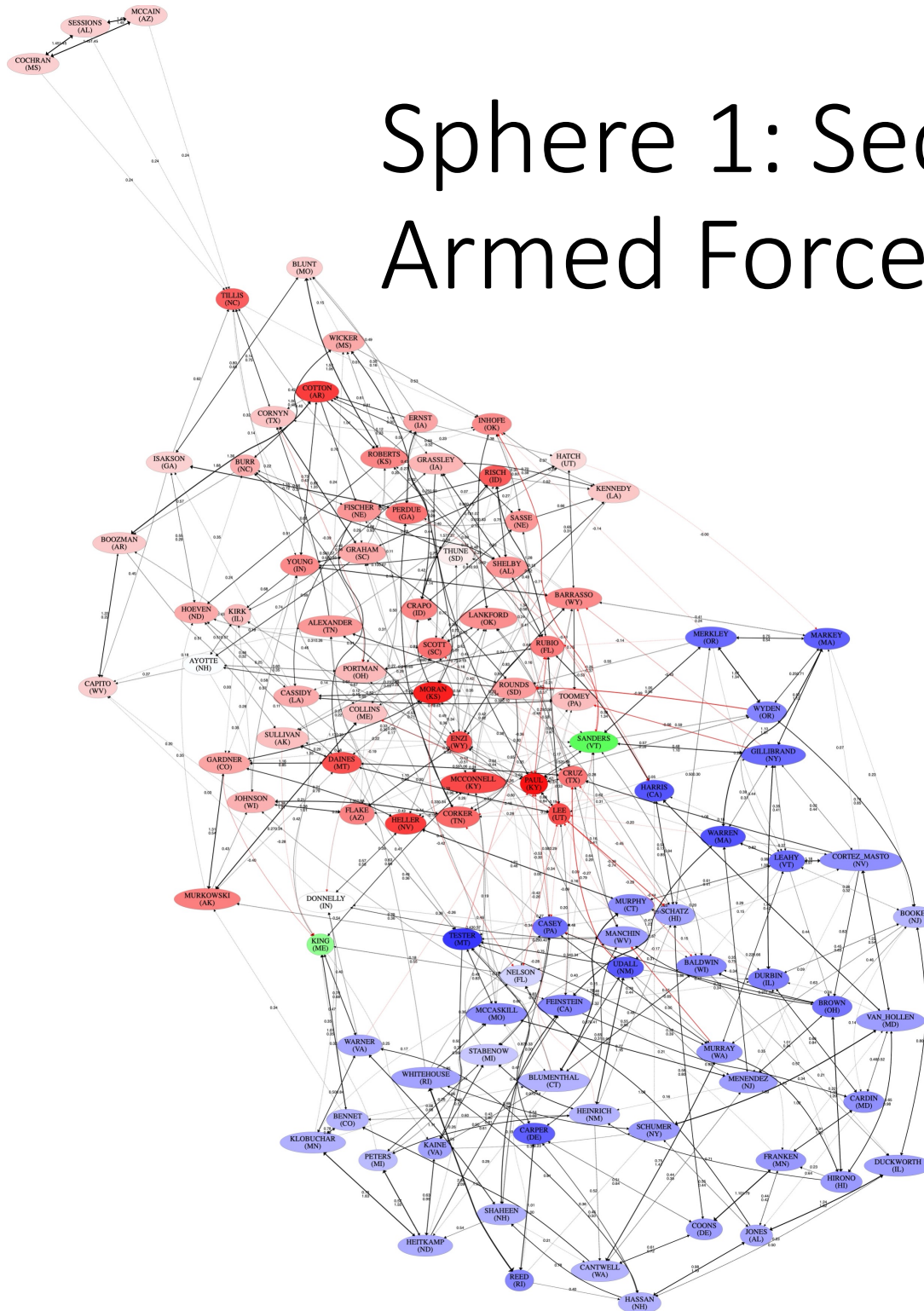


About myself

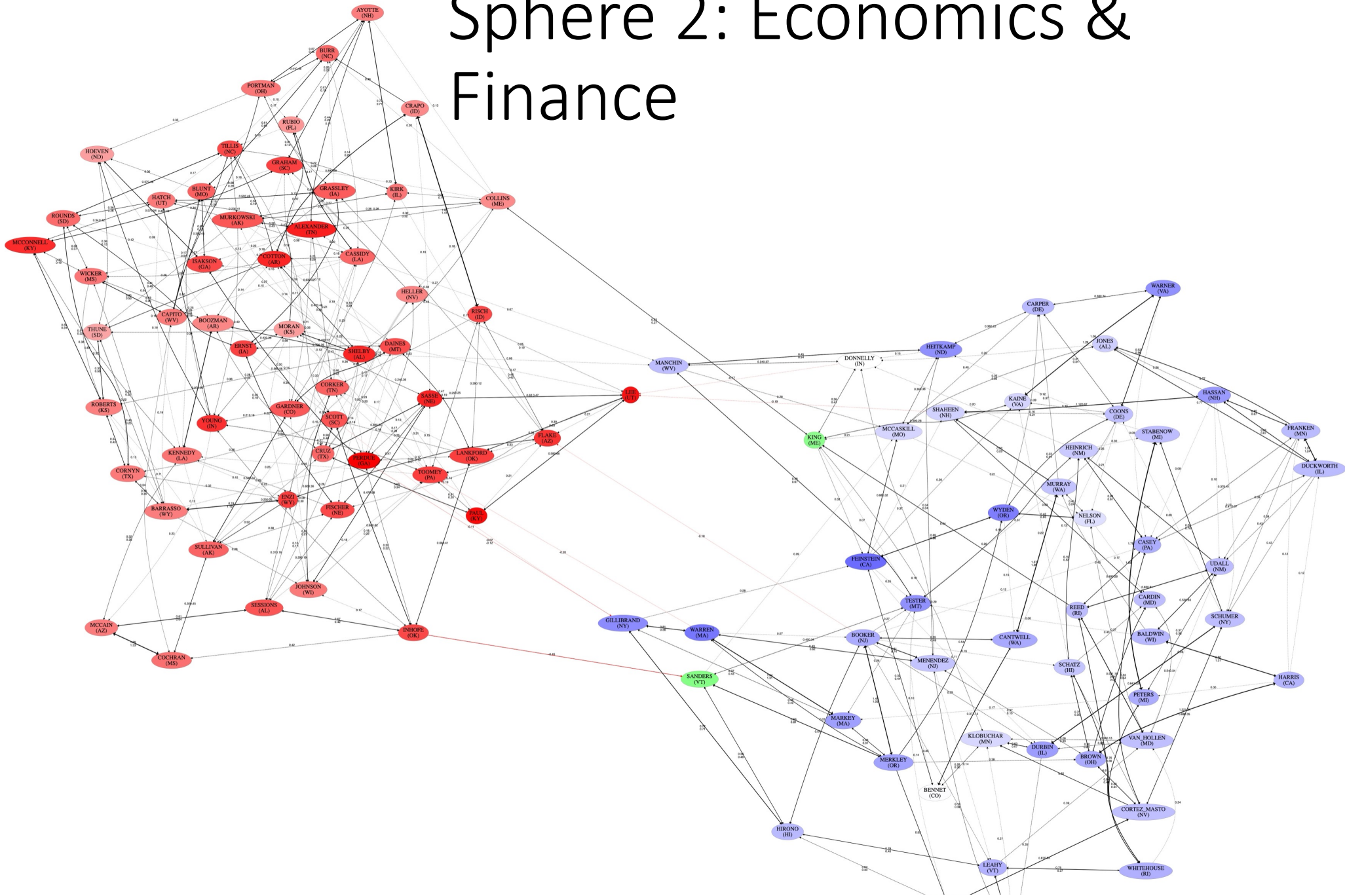




Sphere 1: Security & Armed Forces



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 it’s a central theme of the research currently being done by computer scientist Mohammad Irfan and his colleagues.

NSF Core Research Grant

Professor of Digital and Computational and Computer Science (CS) Irfan is expected to secure around half a million dollars for an exciting multiyear project studying human interactions in social 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.)



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



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FLOWER DARBY
with JAMES M. LANG

small
TEACHING
ONLINE

Applying Learning Science
in Online Classes

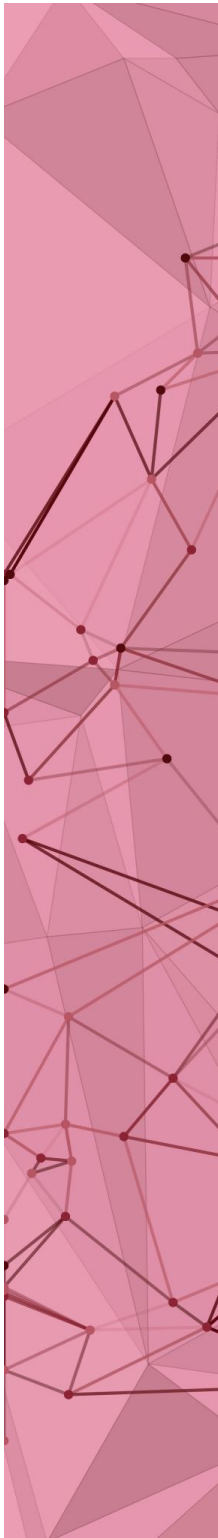
Advice to faculty

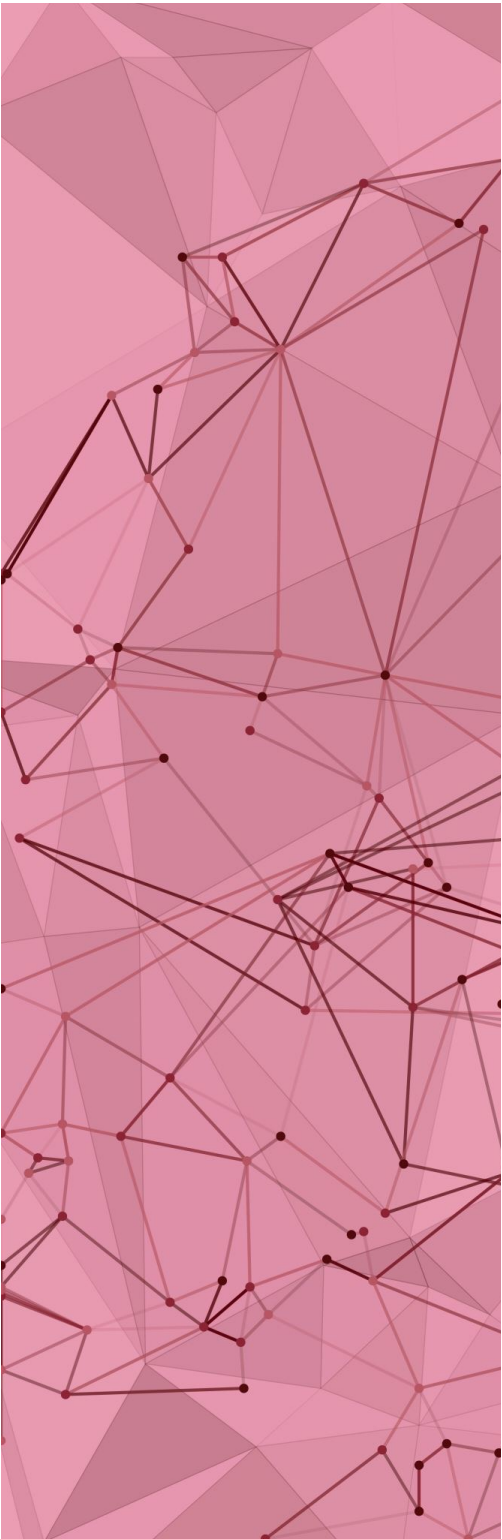
"Your students want you. Great content and a well-organized class help. But mostly they want you ...

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.





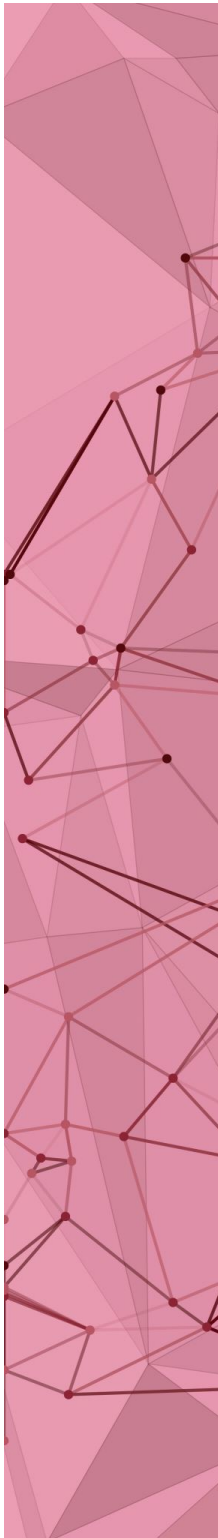
About You

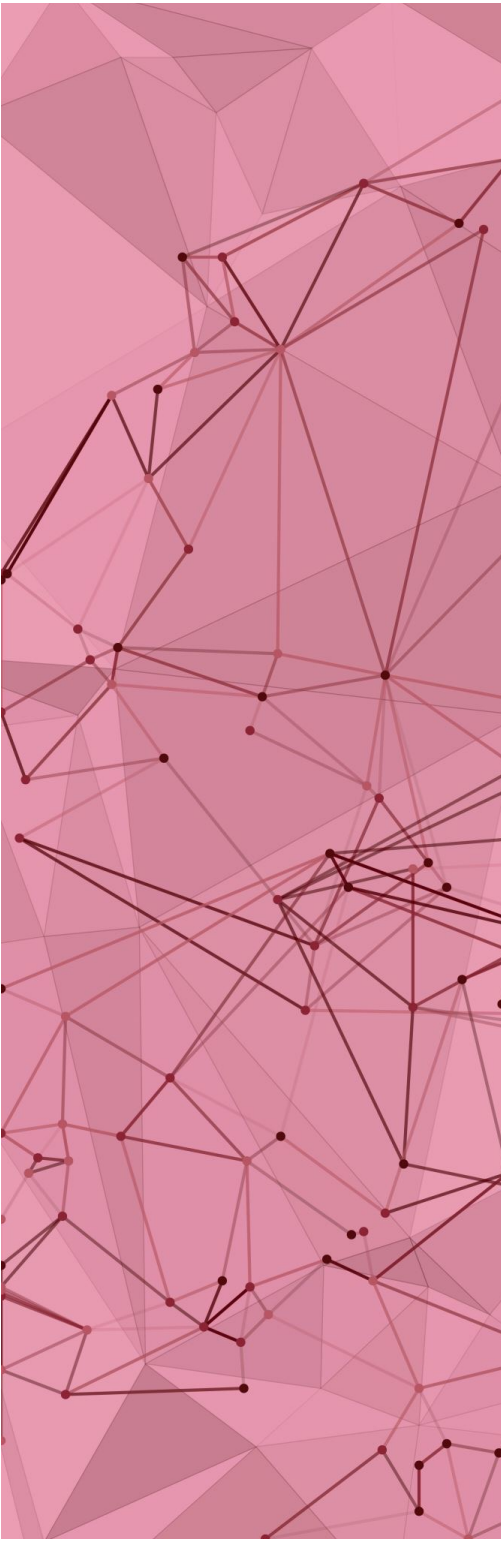
Syllabus and required background

Course website:

www.mtirfan.com/DCS-2350

Canvas for assignments, books, etc.





Homework

Install Gephi before next class

Bring your laptop next week