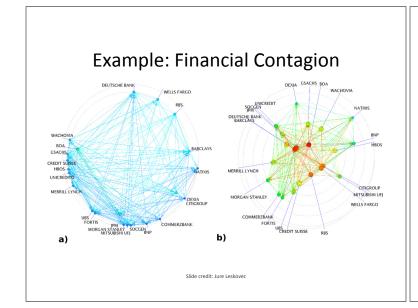
CS 103: Networks Wrap-Up and Review

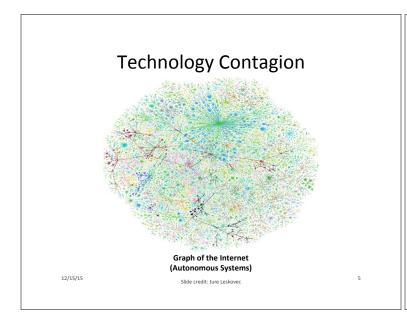
Dan Sheldon Fall 2015

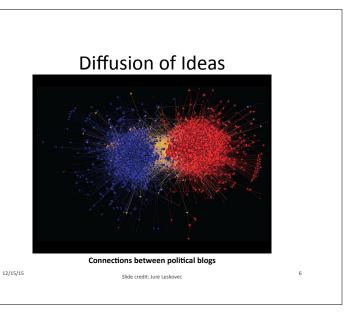
Course Goals

- Network thinking. Networks are everywhere. Help you understand the world
- Network models. Tools to help you understand world through the lens of networks

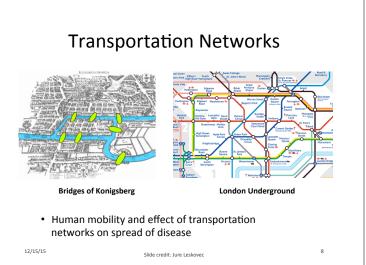






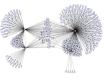


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Networks and Society

- Networks reflect society
- · But they also shape society
 - Maintain weak ties
 - Power of crowd. Online labor. Crowdsourcing. Crowd funding
 - Political mobilization
 - Democratization of news
- The future. How can we design networks to improve discourse and communication?
- Network thinking!



Thank you!

 Please fill out course evals... honest feedback appreciated!

Final Exam

- 10 questions
- Similar to midterm and HW
- Closed book
- 2 pages of notes allowed
- HW 5 back today. HW 6 available at 3pm. Solutions will be posted.

Exam Topics

- Graph theory
- Strong and weak ties
- Game theory
- · Directed graphs and structure of the web
- Link analysis and PageRank
- Sponsored search markets
- Small world phenomenon
- Popularity and power laws
- Diffusion of innovation. Threshold contagion
- Questions?