## Lecture 3: More on the small world problem and some history

Sociology 204: Social Networks, Spring 2021

Matthew J. Salganik

2/3: Random graphs

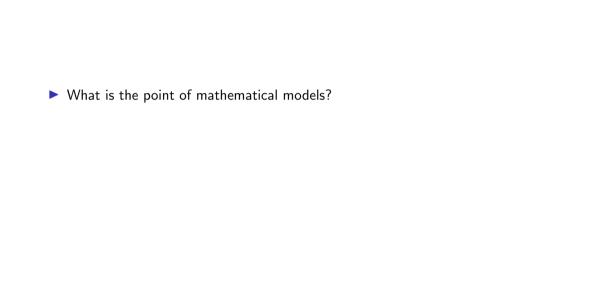


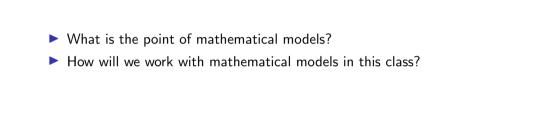
Empirical approach (Harvard approach)	VS.	Modeling approach (MIT approach)

Empirical approach (Harvard approach)

VS.

Modeling approach (MIT approach)

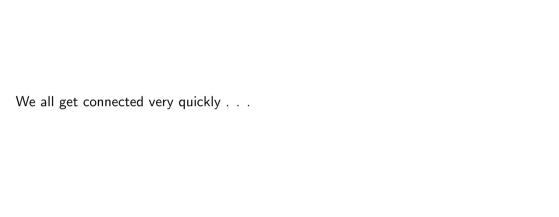








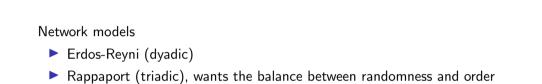
http://www.netlogoweb.org/launch#http://ccl.northwestern.edu/netlogo/models/models/Sampl%20Models/Networks/Giant%20Component.nlogo

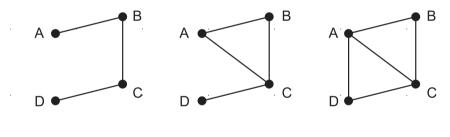


ŀ	s this is a good model for the social network at Princeton?

Is this is a good model for the social network at Princeton?  No. Not everyone is equally likely to be connected.

Network models		
Erdos-Reyni (dyadic)		





time

For a detailed mathematical treatment of random graphs, I recommend:

