Books will be using this year:

(a) SNA   (b) SNA with R (c) Frontiers

- Homework will be peer graded
- September will be focused on practicle application while October will focus on analytic approaches.

————————————— // —————————————

Introduction to SNA

Network data we will focus on is

(a) on a network
(b) the topology of the network

Challenges in analysis

- relational / dependence nature
- network structure
- lack of geometric grounding
- the size of the networks can be an issue

Examples of Networks in different areas

- Technolgical: communication, transportation, energy, sensor networks
- Biological: neurons, gene interactions, metabolc paths, predator/prey, protein interactions
- Social: friendship, email, corporate, international relations
- Information: www, Twitter, peer-to-peer