Presentations Schedule

IMPORTANT:

- by noon on Tuesday before your lecture email your presentation slides to zoran.obradovic@temple.edu (subject: SLIDES); also upload to Canvas
- slide 1 of each presentation should include presenter name and the last slide should be the homework question

3/18: EXAM

3/25: 8 presentations, each 18 minutes

1. **Mamroth, Andrew –** Heterogeneous Graph Neural Networks
   - C. Zhang, D. Song, C. Huang, A. Swami, and N. V. Chawla. Heterogeneous graph neural network. KDD 2019 pages 793–803.
   - Y, Dong, Z. Hu, K. Wang, Y. Sun, J. Tang. Heterogeneous Network Representation Learning. In IJCAI, 2020.

2. **Otudi, Hussain –** Multilayer networks (M. Kivela et al, Journal of Complex Networks, 2014 https://doi.org/10.1093/comnet/cnu016)

3. **Saranovic, Daniel –** Degree Correlation (Barabasi, chapter 7)

4. **Xu, Hanzi –** Antisocial behavior on the web (WWW 2017 tutorial https://dl.acm.org/doi/10.1145/3041021.3051106)

5. **Katta, Srikar –** A/B testing and Causal Inference when Experimenting on Networks
   • Model-assisted design of experiments in the presence of network correlated outcomes
   • Causal Inference Under Network Interference: A Framework for Experiments on Social Networks
   • Estimating average causal effects under general interference, with application to a social network experiment

6. **Burduli, Guga -** Communities in networks (Barabasi, chapter 9)

7. **Amend, Jack –** Memes (WWW 2011 tutorial)

8. **Pan, Jo -** Network Analysis on Youtube
   - Network Analysis on Youtube: Visualizing Trends in Discourse and Recommendation Algorithms
   - Social Network Analysis and Information Propagation: A Case Study Using Flickr and YouTube Networks

4/01: 7 presentations, each 18 minutes

1. **Almalki, Amani -** Mobility network models of COVID-19 (S. Chang et al, Nature Vol 589, 7. January 2021)

2. **Kamble, Dhananjay –** Network Partitioning (Newman, chapter 11)

3. **Andjelkovic, Jovan –** Modeling network traffic (Kleinberg, chapter 08)

4. **Zach, Cameron –** Matching markets (Kleinberg, chapter 10)

5. **Wazzan, Albatool –** Network model of markets (Kleinberg, chapter 11)

6. **Duong, Thuc –** Bargaining and power in networks (Kleinberg, chapter 12)

7. **Patel, Rushabh –** Biological networks (Newman, chapter 5)

4/08: 7 presentations, each 18 minutes

1. **Abdel Hai, Ameen –** Spreading phenomena (Barabasi, chapter 10)

2. **Chen, Olivia –** Cascading behavior in networks (Kleinberg, chapter 19)

3. **Aljurbua, Rafaa -** Epidemics on networks (Kleinberg, chapter 21; Newman, chapter 17)

4. **Garrison, Elizabeth -** Advertising and recommendations

   - Qiu, J., Tang, J., Ma, H., Dong, Y., Wang, K., & Tang, J. Deepinf: Social influence prediction with deep learning. KDD 2018, pp. 2110-2119.

5. **Yang, Yi –** Network robustness (Barabasi, chapter 8; Newman, chapter 16)

6. **Oberst, Jonathan –** Voting (Kleinberg, chapter 23)

7. **Fox, Craig –** Industrial applications of information network

4/15: 11 project presentations, each 13 minutes

4/22: 11 project presentations, each13 minutes

4/29: FINAL PROJECT DUE