

**THE CHINESE UNIVERSITY OF HONG KONG**  
**DEPARTMENT OF SOCIOLOGY**  
**2024 CUHK Summit for Causal Network Analysis**  
*Co-sponsored by the Faculty of Social Science and Department of Sociology*  
**Room 422, 4<sup>th</sup> Floor, Sino Building**  
**9 – 19 July 2024**

## READING LIST

### Week 1: Network Formation

#### **July 9 (Tuesday) A Variety of Social Networks**

##### **Weihua An, “Friendship Formation in Chinese Schools: Inequality and Homophily.”**

- An, Weihua. 2022. "[Friendship Network Formation in Chinese Middle Schools: Patterns of Inequality and Homophily.](#)" *Social Networks* 68: 218-228.
- An, Weihua and William McConnell. 2015. "[The Origins of Asymmetric Ties in Friendship Networks: From Status Differential to Self-perceived Centrality.](#)" *Network Science* 3(2): 269-292.

##### **Lars Leszczensky, “Identity and Friendship Selection in German Schools.”**

- Kretschmer, David and Lars Leszczensky. 2022. "[In-Group Bias or Out-Group Reluctance? The Interplay of Gender and Religion in Creating Religious Friendship Segregation among Muslim Youth.](#)" *Social Forces* 100(3): 1307-1332.
- Leszczensky, Lars and David Kretschmer. 2022. "[Religious Friendship Preferences of Muslim and Non-Muslim Students in German Schools: Bright Boundaries Everywhere or Contingent on the Proportion of Muslim Classmates?](#)" *Social Networks* 68: 60-69.
- Leszczensky, Lars and Sebastian Pink. 2015. "[Ethnic Segregation of Friendship Networks in School: Testing a Rational-Choice Argument of Differences in Ethnic Homophily between Classroom- and Grade-level Networks.](#)" *Social Networks* 42: 18-26.
- Leszczensky, Lars and Sebastian Pink. 2019. "[What Drives Ethnic Homophily? A Relational Approach on How Ethnic Identification Moderates Preferences for Same-Ethnic Friends.](#)" *American Sociological Review* 84(3): 394-419.

- Jugert, Philipp, Lars Leszczensky, and Sebastian Pink. 2018. [“The Effects of Ethnic Minority Adolescents' Ethnic Self-Identification on Friendship Selection.”](#) *Journal of Research on Adolescence* 28(2): 379-395.

**Dawn Robinson, “Social Identity, Social Status, and Social Interactions.”**

- [Dawn T. Robinson, Lynn Smith-Lovin. 2001. “Getting A Laugh: Gender, Status, and Humor in Task Discussions.”](#) *Social Forces*, 80(1):123–158.
- [Cannon, Bryan C., Dawn T. Robinson, and Lynn Smith-Lovin. 2019. "How do we ‘do gender’? Permeation as over-talking and talking over."](#) *Socius*, 5.
- [Cannon Bryan C., Robinson Dawn T. 2023. “A simplest mathematics of turn-taking: Conversational deep structure, emergence, and permeation.”](#) *Network Science* 11(2):224-248.

**Scott W Duxbury, “Crime Networks and Political Networks.”**

- Duxbury, Scott W. 2024. Collaborating on the Carceral State: Political Elite Polarization and The Expansion of Federal Crime Legislation Networks, 1979 - 2005. *American Sociological Review*.
- Haynie, Dana L., and Scott W. Duxbury. Forthcoming. [Online Illegal Cryptomarkets.](#) *Annual Review of Sociology*.
- Duxbury, Scott W., and Dana L. Haynie. 2024. [The Asymmetry of Embeddedness: Illegal Trade Networks and Drug Purchasing Diversity on an Online Illegal Market.](#) *Social Forces* 102 (4): 1535-1554.
- Duxbury, Scott W. 2021. [Shining a Light on the Shadows: Endogenous Trade Structure and the Growth of an Online Illegal Market.](#) *American Journal of Sociology*.
- Duxbury, Scott W. 2024. [The Ties that Bind are those that Punish: Network Polarization and Federal Crime Policy Gridlock, 1979–2005.](#) *Social Forces*.
- Duxbury, Scott W., and Dana L. Haynie. 2018. [The Network Structure of Opioid Distribution on a Darknet Cryptomarket](#) *Journal of Quantitative Criminology*.
- Duxbury, Scott W., and Dana L. Haynie. 2023. [Network embeddedness in illegal online markets: Endogenous sources of prices and profit in anonymous criminal drug trade.](#) *Socio-Economic Review*.
- Duxbury, Scott W., and Dana L. Haynie. 2021. [The responsiveness of criminal networks to intentional attacks: Disrupting darknet drug trade.](#) *PLOS One*.

## **July 10 (Wednesday) New Advances in Theories and Modeling**

### **Dawn Robinson, “Affect Control Theory and Social Networks.”**

- [Robinson, Dawn T. and Lynn Smith-Lovin. 2018. “Affect control theories of social interaction and self.” In P. J. Burke \(Ed.\), \*Contemporary social psychological theories\* \(2nd ed., pp. 139–165\). Stanford University Press.](#)
- [“Identity and friendship: Affective dynamics and network formation.”](#)
- [“Selective interaction as a strategy for identity maintenance: An affect control model.”](#)
- [Friedkin, Noah E. and Johnsen, Eugene C. \(2003\), "Attitude Change, Affect Control, and Expectation States in The Formation of Influence Networks." \*Advances in Group Processes\* 20: 1-29.](#)
- [Rogers, Kimberly B. 2015. “Expectation States, Social Influence, And Affect Control: Opinion And Sentiment Change Through Social Interaction.” \*Advances in Group Processes\* 32: 65-98.](#)

### **Weihua An, “Meta Network Analysis.”**

- [An, Weihua. 2016. "\[Fitting ERGMs on Big Networks\]\(#\)." \*Social Science Research\* 59: 107-119. \(Special issue on Big Data in the Social Sciences\)](#)
- [An, Weihua. 2015. "\[Multilevel Meta Network Analysis with Application to Studying Network Dynamics of Network Interventions\]\(#\)." \*Social Networks\* 43: 48-56.](#)

### **Scott W Duxbury, “Multicollinearity and Scaling in ERGMs.”**

- [Duxbury, Scott W. \[Diagnosing multicollinearity in exponential random graph models\]\(#\). \*Sociological Methods & Research\*.](#)
- [Duxbury, Scott W. 2023. \[The problem of scaling in exponential random graph models\]\(#\). \*Sociological Methods & Research\*.](#)
- [Duxbury, Scott W., and Jenna Wertsching. 2023. \[Scaling bias in pooled exponential random graph models\]\(#\). \*Social Networks\*.](#)
- [Duxbury, Scott W. 2019. \[ergMargins: Process Analysis for Exponential Random Graph Models\]\(#\). CRAN.](#)

### **David Jacho-Chávez, “Multiplex Networks and Multilayer Networks.”**

- [Estrada, Juan. 2024. "\[Social Interactions in Multiplex Observational Networks\]\(#\).”](#)
- [Estrada, Pablo, Juan Estrada, Weihua An, and David Jacho-Chavez. 2024. "\[Estimating Peer Influence in Multilayer Networks\]\(#\).”](#)

## Week 2: Network Effects

### July 15 (Monday): Peer Effects, Social Influence, and Diffusion

#### Lars Leszczensky, "Distinguishing Selection and Influence."

- Kretschmer, David, Lars Leszczensky, and Sebastian Pink. 2018. "[Selection and Influence Processes in Academic Achievement—More Pronounced for Girls?](#)" *Social Networks* 52: 251-260.
- Leszczensky, Lars and Sebastian Pink. 2020. "[Are Birds of a Feather Praying Together? Assessing Friends' Influence on Muslim Youths' Religiosity in Germany.](#)" *Social Psychology Quarterly* 83(3): 251-271.
- Leszczensky, Lars, Tobias H. Stark, Andreas Flache, and Anke Munniksmma. 2016. "Disentangling the Relation between Young Immigrants' Host Country Identification and their Friendships with Natives." *Social Networks* 44: 179-189. <https://www.sciencedirect.com/science/article/abs/pii/S0378873315000714>
- Jugert, Philipp, Lars Leszczensky, and Sebastian Pink. 2020. "[Differential Influence of Same- and Cross-Ethnic Friends on Ethnic-Racial Identity Development in Early Adolescence.](#)" *Child Development* 91(3): 949-963.

#### David Jacho-Chávez, "Instrumental Variables Methods for Estimating Peer Effects."

- [Estimating Social Effects with Randomized and Observational Network Data](#)
- [netivreg: Estimation of Peer Effects in Endogenous Social Networks](#)

#### Dawn Robinson, "The Effects of Social Interactions on Identity, Perceptions, Status, Well-being."

- [Ridgeway, Cecilia L., Elizabeth Heger Boyle, Kathy J. Kuipers, and Dawn T. Robinson. 1998. "How do status beliefs develop? The role of resources and interactional experience." \*American Sociological Review\* 63\(3\): 331-350.](#)
- [Zhao, Jun, Dawn T. Robinson, and Chyi-In Wu. 2020. "Isolation but diffusion? A structural account of depression clustering among adolescents." \*Social Psychology Quarterly\* 83\(4\): 363-382.](#)
- [Lee, Emily S., A. Michele Lease, Dawn T. Robinson, Stacey Neuharth-Pritchett, and Jiajun Xu. 2022. "Individual difference in perceptions of social structure: Social standing predicts accuracy in social network perception." \*Social Development\* 31\(3\): 549-567.](#)

## **July 16 (Tuesday) Mediation, Moderation, and Intervention**

**Scott W Duxbury, “Mediation and Moderation Analysis in ERGMs.” (ergMargins and netmediate)**

- Duxbury, Scott W. 2024. [Micro-Macro Mediation Analysis in Social Networks](#). *Sociological Methodology*.
- Duxbury, Scott W. 2023. [The problem of scaling in exponential random graph models](#). *Sociological Methods & Research*.
- Duxbury, Scott W. 2019. [ergMargins: Process Analysis for Exponential Random Graph Models](#). CRAN.
- Duxbury, Scott W. 2021. [netmediate: Micro-macro analysis in social networks](#). CRAN

**Lars Leszczensky and Scott W Duxbury, “Micro-macro Relations in Social Networks.”**

- Duxbury, Scott W. 2024. [Micro Effects on Macro Structure in Social Networks](#). *Sociological Methodology*.
- Duxbury, Scott W. 2024. [Micro-Macro Mediation Analysis in Social Networks](#). *Sociological Methodology*.
- Duxbury, Scott W. 2021. [netmediate: Micro-macro analysis in social networks](#). CRAN
- Kretschmer, David and Lars Leszczensky. 2022. [In-Group Bias or Out-Group Reluctance? The Interplay of Gender and Religion in Creating Religious Friendship Segregation among Muslim Youth](#). *Social Forces* 100(3): 1307-1332.

**Weihua An, “Causal Analysis of Network Interventions.”**

- An, Weihua. 2018. "Causal Inference with Networked Treatment Diffusion." *Sociological Methodology* 48: 152-181.
- An, Weihua and Tyler J. VanderWeele. 2022. "Opening the Blackbox of Treatment Interference: Tracing Treatment Diffusion through Network Analysis." *Sociological Methods and Research* 51(1): 141–164.