

Hsuan Lee

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EDUCATION

Utrecht University

Utrecht, the Netherlands

M.Sc. in Methodology and Statistics (Research Master)

Minor: Data Science

Sep. 2021 – Jun. 2023

- Network Science Research Group
- Data Science Research Group

Soochow University

Taipei, Taiwan

B.A. in Sociology

Sep. 2016 – Jun. 2020

- Recipient of Departmental Award for the Best B.A. Thesis
- Speaker for the Office of International Academic Exchange

Southeast University

Nanjing, China

University-Level Student Exchange Program

Feb. 2019 – Jun. 2019

Charles University

Prague, Czech Republic

Faculty-Level Student Exchange Program

Sep. 2018 – Feb. 2019

PROJECTS

Changepoint Detection in Social Networks: an Extension of the Relational Event Model | [GitHub](#)

- This project aimed to seek a new approach to infer changepoints in social networks. To this end, I introduced, compared and evaluated the feasibility of applying multiple changepoint detection methods in the Relational Event Model (i.e., a social network model) framework.

EXPERIENCE

Statistical Consultant

Utrecht, the Netherlands

Methodology and Statistics, Utrecht University

Apr. 2023 – Jun. 2023

- Provided statistical consulting for undergraduate and master students at Utrecht University.

Network Science Student Assistant

Utrecht, the Netherlands

Methodology and Statistics, Utrecht University

Jan. 2023 – Mar. 2023

- Assisted Dr. Mahdi Shafiee Kamalabad in preparing, updating, and inspecting materials for the social network section of the Network Science course.
- Assisted a PhD student in simulating social network data, i.e. Relational Event History Data.

Multivariate Statistics Teaching Assistant

Utrecht, the Netherlands

Methodology and Statistics, Utrecht University

Aug. 2022

- Assisted Dr. Dave Hessen in teaching multivariate statistics covering: t-test, one/two way ANOVA, Linear Regression, ANCOVA, Advanced Linear Regression (one-hot encoding), one/two way MANOVA, Repeated Measures Analysis, Logistic Regression, and Principle Component Analysis.

TECHNICAL SKILLS

Analytical Skills: Data Science & Machine Learning, Mathematical, Bayesian, Multivariate, & Biostatistics, Causal Inference, Structural Equation & Multilevel Modeling, Psychometrics, Survey Data Analysis

Languages: R (Advanced), Python, SQL

Statistical Software: Mplus, SPSS, JAGS, JASP

Research-facilitating Software: Power BI, Github, L^AT_EX, Zotero, Rmarkdown, Visual Studio, MS Office programs