

Luling Huang

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POSITIONS

- 2020 - *Council on Library and Information Resources (CLIR) Postdoctoral Fellow in Data Curation for Energy Social Science*, Wilton E. Scott Institute for Energy Innovation & University Libraries, Carnegie Mellon University, Pittsburgh, PA, United States
- Research: Collaborates with a team of engineering researchers and conducts research in energy equity and justice (team lead: Destenie Nock)
 - **Project I:** Estimates the outdoor temperatures at which households turn on cooling and heating units based on a large residential electricity consumption dataset; writes Python code to develop an iterative regression-based modeling procedure
 - **Project II:** Estimates income-related inequality aversion in residential energy consumption; applies choice experiment and survival analysis
 - Programming: Develops web tools for data curation
 - **Project I:** Energy Expert Finder
 - Developed an interactive dashboard with Python Dash
 - Improved workflow of tracking scholarly output for the energy institute
 - Link: <https://www.library.cmu.edu/about/news/2022-03/energy-social-science-data-curation-1>
 - **Project II:** RICCH: Risks and Impacts of Climate Change on Hydropower
 - Collaborated with a doctoral student in engineering and public policy
 - Developed an interactive dashboard with R Shiny
 - Link: <https://ricch.shinyapps.io/hydro-shiny/>
 - **Project III:** CLIR Postdocs and Grants Over the Years (work in progress)
 - Collaborated with a team of CLIR fellows
 - Developed two prototype dashboards on behalf of CLIR
 - Link: https://hluling.shinyapps.io/postdoc_dashboard_test/
- 2016 - *Graduate Research Fellow*, Scholars Studio, University Libraries
2019 Temple University, Philadelphia, PA, United States
- Research: Conducted research on group dynamics in online political discussion
 - Implemented text mining and dynamic social network analysis
 - Programming: Developed software for digital humanities projects
 - **Project I:** Nineteenth-Century Knowledge Project
 - Developed a Python program to clean and process XML files
 - Team lead: Peter Logan
 - Link: <https://tu-plogan.github.io/>
 - **Project II:** CBDBtoSNA
 - Developed a Python program to visualize social network data in the China Biographical Database (CBDB)
 - Team lead: Marcus Bingenheimer
 - Link: <https://github.com/hluling/CBDBtoSNA>
 - Taught workshops
 - Workshop Leader, “Data Cleaning With OpenRefine,”
 - Workshop Co-Leader, “Scraping the Web With Python,”

2018 - *Adjunct Instructor*, Department of Communication and Social Influence,
2019 Temple University, Philadelphia, PA, United States

EDUCATION

2020 Ph.D. Media and Communication, Klein College of Media and Communication
Temple University, Philadelphia, PA, United States

2013 M.A. Media Studies, Department of Radio-Television-Film
The University of Texas at Austin, United States

2011 B.A. TV Directing and Editing, School of Television and Journalism
Communication University of China, Beijing, China

SKILLS

Data analysis: Unsupervised text mining, social network analysis, regression analysis, structural equation modeling, survival analysis

Data analysis tools: LISREL, Python, R, SPSS

Data visualization tools: R & Python (static visualization, interactive visualization, mapping)

Programming Languages: Python, R, SPARQL (query language)

PUBLICATION

Huang, L., Fink, E. L., & Cai, D. A. (Advance Online Publication). Psychological discrepancy in message-induced belief change: Empirical evidence regarding four competing models. *Communication Monographs*. <https://doi.org/10.1080/03637751.2021.1973051>

Xu, K., Chen, X., & **Huang, L.** (in press). Deep mind in social responses to technologies: A new approach to explaining the Computers are Social Actors phenomena. *Computers in Human Behavior*.

Kim, J.-O., & **Huang, L.** (2017). The unscripted format trade in a new era of the Korean Wave: A comparative analysis of the Chinese remaking of the Korean reality TV show, "Daddy, Where Are You Going?" In T.-J. Yoon & D. Y. Jin (Eds.), *The Korean Wave: Evolution, fandom, and transnationality* (pp. 209-225). Lexington Books.

CONFERENCE PAPERS (MOST RECENT)

Huang, L., & Nock, D. (2022, June). *Income-related inequality aversion in residential energy consumption*. Poster to be presented at 3rd International Conference on Energy Research & Social Science. Manchester, UK.

Xu, K., Chen, X., & **Huang, L.** (2022, May). *Deep mind in social responses to technologies: A new approach to explaining the CASA phenomena*. Paper to be presented at International Communication Association 2022. Paris, France.

Huang, L., Fink, E. L., & Cai, D. A. (2021, May). *The role of psychological discrepancy in belief change: Evaluating four models*. Paper presented at International Communication Association 2021 (virtual). [Best of Information System Division Paper (one of three)].