Devin J. Cornell, PhD
Computational Social Science
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2023	Ph.D.	**Sociology, Duke University**. **Dissertation**: *Social Cohesion in the Fat Liberation Community on Twitter*. (link)
2019	M.A.	**Sociology, UC, Santa Barbara**. **Thesis**: *Discursive Fields and Intra-party Influence in Colombian Politics*. (link)
2015	B.S.	**Electrical Engineering, Missouri University of Science and Technology**. Minor in mathematics and emphasis on signal processing and machine learning.

Consulting Work

2022-2023 **Network Analysis Consultant, Data 4 Impact** (report)
- Used network analysis to examine funding and resource exchange relationships amongst organizations in Nigeria.
- Identified most important organizations and relationships, and further modeled new potential relationships that could improve overall collaboration.

Selected Research Experience

2022-2023 **Social Cohesion in the Fat Liberation Community on Twitter** (dissertation)
- Created novel measures to capture features of interactions such as toxic language, social status, and other types of discourse.
- Applied event history analysis to model the extent to which particular kinds of interactions led users to continue to engage with the community.
- Developed approach to identify community boundaries and associated sampling frames using social network analysis.

2018-2021 **Measuring Gender Stereotypes in 80 Years of American Print Media** (paper)
- Collaborated with sociologists to develop measures to capture changes in gender stereotypes latent in several thousands of print media articles.
- Built database and data management infrastructure to support word embedding model training and analysis.

2018-2019 **Narrative Analysis of Austerity in UK Print Media** (book chapter)
- Developed novel approach to capture narrative as relationships between symbolic entities using network analysis and word embedding models.

2017-2019 **Within-party Discursive Influence on Twitter** (thesis)
- Applied topic modeling algorithms to understand the range of political discussions in more than one million Tweets from 50 politicians.
- Used genetic algorithms to understand the discursive distinctions that politicians used to differentiate themselves and, in turn, influence others.

Teaching Experience

Data Science and Society, Duke University (4 semesters): designed and graded student assignments, assisted with project development.

Quantitative Methods for Sociology, UC Santa Barbara (2 semesters): taught multivariate regression and other basic statistics to undergraduate students in seminars.

Introduction to Sociology, Duke University and UC Santa Barbara (2 semesters): taught analytical approaches to Sociology in seminars.