

SEAN FISCHER

Social and Data Scientist

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PROFESSIONAL EXPERIENCE

Annenberg School for Communication, University of Pennsylvania

Research and Teaching Fellow

August 2016 – June 2021 (Expected)

- Managed research projects from design to publication
- Coordinated work between academic and industry partners
- Developed computational tools
- Conducted statistical and other quantitative data analyses

RESEARCH EXPERIENCE

Don't Judge an Album by its Cover: The Reality of Partisan Cultural Consumption

Dissertation

- Created data-collection interface in R and Shiny
- Collected data directly from Spotify API
- Applied network-science and experimental methods

Auditing local news presence on Google News

Nature Human Behaviour

- Created robust data-cleaning code in R
- Analyzed millions of rows of data
- Applied spatial and regression methods
- Designed a variety of complex visualizations
- Participated in international media interviews and wrote Washington Post blog post about the project

Local news availability does not increase pro-social pandemic response

Preprint

- Created unique dataset merging proprietary data with Google mobility reports
- Modeled effect of local news availability on behavior during pandemic
- Applied latest advances in observational causal inference

Digital Audit of Apple Music

In Progress

- Wrote R code to automatically collect data from Apple Music and Spotify
- Matched audit data to artists' social-media records

EDUCATION

Annenberg School for Communication, University of Pennsylvania

Ph.D. in Communication

August 2016 – June 2021 (Expected)

M.A. in Communication

August 2016 – August 2018

SUNY Geneseo

B.A. in Mathematics and English Literature

August 2011 – May 2016

SKILLS

Data Collection	Data Cleaning
Data Visualization	Dashboard Design
Statistical Modeling	Machine Learning
Network Analysis	Text Analysis
Spatial Analysis	Big Data Analysis
Experimental Design and Analysis	
Observational Causal Inference	
Data Communication	Project Management

PROFICIENCIES

R	● ● ● ● ●
ggplot2	● ● ● ● ●
Shiny	● ● ● ● ●
tidyverse	● ● ● ● ●
igraph	● ● ● ● ●
SQL	● ● ● ● ●
ArcGIS	● ● ● ● ●
HTML/CSS	● ● ● ● ●