




Hailee Schelble

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EDUCATION

University of California, Berkeley School of Information, Berkeley, CA *August 2022 - April 2024*
Master of Information and Data Science

- Relevant coursework includes *Research Design, Data Engineering, Stats for Data Science, Stat Methods for Discrete Response/Time Series/Panel Data, Applied ML, ML at Scale, and ML Systems Engineering*
- Member of the Leadership Development Program for Gender Equity

Boston College College of Arts & Sciences, Chestnut Hill, MA *Graduated May 2016*
B.A., *cum laude*, Major in International Studies and Minor in Medical Humanities

- Relevant coursework includes *Statistics, Principles of Microeconomics, Principles of Macroeconomics, Human Rights, and Public Health in Global Society*

SKILLS & CERTIFICATIONS

Technical: Python (pandas, numpy, tensorflow, keras), R, SQL, EDA, ARIMA, Spark, MapReduce, Kubernetes

Certifications: Duke University Statistics with R Specialization

PUBLICATIONS

- “Associations between proximity to gas production activity in counties and birth outcomes across the US”, *Preventive Medicine Reports*, December 2022 [link](#)
- “Associations between prenatal exposure to power plants and birth outcomes across the United States”, *Public Health*, March 2023 [link](#)

PROFESSIONAL EXPERIENCE

Climformatics - Intern Fremont, CA *September 2023 – December 2023*

- Explored heat stress and fire danger forecasting, and decision-making methods for energy utilities
- Reviewed literature for machine learning methods for power outage prediction due to extreme events
- Project winner of Data Science Discovery Ribbon of Excellence

Boston College - Researcher Chestnut Hill, MA *October 2019 – November 2022*

- Co-authored publications about the association between natural gas production and power plant proximity on birth outcomes emphasizing the disproportionate burden on women of color
- Performed data quality checks, such as cleaning latitude/longitude of power plants using R spatial data and reproducing distance-weighted production calculations in R
- Investigated potential data sources, created data mapping dictionaries, and conducted lit reviews

Panalgo – Analyst II Boston, MA *February 2018 – July 2022*

- Engineered custom strategies to implement observational research using 20+ real world data (RWD) sources including administrative claims, electronic health records, and hospital-based data
- Authored two 250+ page training documents and certification exams detailing the company platform’s data model, analytic tools, and methodologies used to onboard clients and employees
- Drove engagement and platform utilization for 28+ large life sciences companies by leading 85+ support sessions and performing 13+ project reviews for senior health economics researchers
- Wrote R code for statistical calculations, custom tables, and to modify dataset structures for analyses
- Onboarded and mentored incoming analysts as we grew from 5 team members to 36

Definitive Healthcare – Account Manager Framingham, MA *August 2016 - February 2018*

- Devised use cases for claims, financial, and population data for the individual business objectives of 140+ accounts across various verticals, including construction, food, and environmental services
- Administered platform trainings and assisted with data integration to foster positive client relationships