

Adam Hearn
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Education

Georgetown University

M.S. in Data Science for Public Policy, McCourt School of Public Policy
Activities and Societies: McCourt Student Ambassador

Washington, DC
May 2021 (Expected)

Rhodes College

B.A. in Economics, minor in Computer Science
Concentration in Econometric and Statistical Methods

Memphis, TN
May 2019

Projects and Research

An Empirical Study on the Test-Optional Admissions Policy

- Using a quasi-experimental approach and machine learning techniques, this working paper examines the post-implementation effects of the growing test-optional admissions policy on low income and minority enrollment.

Fall 2020 Instruction and Partisan Influence: The Effect of State Party Control on the Higher Ed Covid Response

- This working paper uses novel data from the College Crisis Initiative (C2i) to examine the role of state partisanship on Fall 2020 modes of instruction in the higher education sector.

Analyzing the Effect of Collegiate Athletic Success on Admissions and Perceived Institutional Quality

- Winner of the 2019 Rhodes College Lynn Nettleton Prize in Economics, this paper uses fixed-effects regression models to study the symbiotic relationship of collegiate athletics and institutional research.

Experience

College Transitions

Data Scientist (Contract)

Charlotte, NC
May 2018-Present

College Transitions provides consulting in higher education admissions using quantitative methods to identify good-fit schools for prospective college-goers.

- Primarily using web-scraping methods, collected data from US News & World Report, LinkedIn, PayScale, and College Scorecard on approximately 400 metrics across 930 institutions to expand upon the College Transitions Dataverse and Colleges Worth your Money.
- Collected student-level data on the undergraduate institutions of ~12,500 individuals currently enrolled at the nation's top-25 business, medical, and law schools by parsing HTML source code using Python and BeautifulSoup.
- Moved institution-level data from Peterson's College Data (Microsoft Access) to Stata, reformatting as necessary.
- Conducted exploratory data analysis (EDA) to identify gaps in messy data, making adjustments as necessary.
- Developed a Python package to match an incomplete or alternative institution name to its official IPEDS name and corresponding NCES UnitID number using cosine text similarity metrics.

American Institutes for Research

Research Associate (Intern) – Administrative Data

Washington, DC
May 2020-Present

The American Institutes for Research (AIR) is one of the leading behavioral and social science research organizations in the world.

- Working under IPEDS survey directors and the National Center for Education Statistics (NCES), provided support for a variety of projects related to the Integrated Postsecondary Education Data System.
- Supported the drafting and review of NCES products such as data documentation, visualizations, tweets, and blogs.
- Created content for IPEDS Technical Review Panels to assess and support potential survey items for upcoming data collection cycles.
- Conducted coronavirus-relevant research using IPEDS data to display the scope in which the data can be used for the advancement of higher-ed policy.
- Worked alongside the Higher Education Consortia (HEC) to assist with the rebranding of the Delaware Cost Study.

State Higher Education Executive Officers Association (SHEEO)**Boulder, CO**

Policy Fellow

June-August 2017, May-July 2018

Together with its members, SHEEO advances public policies and academic practices that enable Americans to attain education beyond high school and achieve success in the 21st century economy.

- Using Stata, I worked primarily with nationally available data (IPEDS) analyzing and calculating projections for a set of performance metrics at the state and sector levels of higher education.
- Built and analyzed state-wide datasets with both quantitative and qualitative data to provide policy recommendations to each state's executive officer for higher education.
- Employed a dataset including metrics on enrollment, student outcomes, financial aid, and agency budgets, and facilitated making that database accessible at both the institutional and agency level.

Skills and Expertise

Stata, R (incl. Tidyverse), Python (incl. Pandas, Numpy, Scikit-Learn), C++, LaTeX, SQL, Git, Qualtrics, Tableau