David W Hummel III

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Education

- **Northeastern University**   *PhD in Economics*   **Boston, MA** *Aug. 2018 – Present*
- **The Ohio State University**   *BSc in Industrial Systems and Engineering*   **Columbus, OH** *Aug. 2012 – May 2016*
- **GRE Scores**: Quantitative 170, Verbal 161

Professional Experience

- **Northeastern University**   *Graduate Assistant/Student*   **Boston, MA** *Aug. 2018 - Present*
  - **Instructor of Record - Master's Econometrics**:
    -Delivered instruction on econometric theory and its practical application utilizing RMarkdown.
  - **Research Assistant**:
    -Developed theoretical framework of "Endogenous Maverick Behavior: A Model with Application and Evidence".
    -Leveraged Google Maps API using Python to bolster survey data, matching 3 million households to the nearest accessible ATM.
    -Developed and implemented scripts to collect, clean, and merge controls into 30 years' worth of FBI data.
    -Accessed and manipulated disparate healthcare data from the Brazil Ministry of Health on a remote server, joined it with schooling datasets, and conducted an evaluation on the impact of mental health facilities on youth educational outcomes, offering new insights into the intersection of health and education policies.
    -Served as a liaison between professors and an undergraduate team of three in an inter-generational setting, effectively managing communication and expectations while promoting a collaborative and productive environment.
  - **Summer Research Assistant - Political Polarization and Health Outcomes**:
    -Contributed to the ideation and formulation of research questions, implemented modeling techniques, and conducted literature review for two puslications 'The Harmful Effects of Partisan Polarization on Health' and 'Bridging the Divide: Does Social Capital Moderate the Impact of Polarization on Health,' serving as co-author.
  - **Math Bootcamp Instructor**:
    -Thrice taught Linear Algebra, Derivative Calculus, and Statistics to second year P.h.D students.

- **Harvard University**   *Teaching Assistant*   **Cambridge, MA** *June 2022 - Aug. 2022*
- **American Antitrust Institute**   *Research Fellow*   **District of Columbia** *May 2021 - January 2022*
  - **Anticipating the Next Generation of Powerful Digital Players**:
    -Collaborated in formulating research questions, conducted data collection and statistical analysis, and contributed to drafting the final document.
  - **Comment to DOJ on Time Warner and Discovery**:
    -Rebutted claims of efficiency gains from past mergers and economic arguments made in prior filings.
  - **Comment to DOT on American Airlines and JetBlue**:
    -Reviewed code-sharing literature and extended it to the case of these parties

- **Bentley University**   *Adjunct Professor - Intermediate Macroeconomics*   **Boston, MA** *July 2021 - Aug. 2021*
- **Federal Reserve Bank of Boston**   *Payments Strategies Intern*   **Boston, MA** *Mar 2019 - Nov 2019*
  - **2019 Federal Reserve Mobile Financial Services Survey**:
    -Automated distribution, cleaned and analyzed the results, and helped edit the survey results for report.
  - **Payment Identity & Authentication Fraud**:
    -Developed a model of fraud types and leveraged industry white papers to understand associated mitigation strategies.

- **Lockheed Martin**   *Manufacturing Engineer - Leadership Development Program*   **Syracuse, NY** *July 2016 - August 2017*
  - **Automated displays**:
    -Conceptualized and implemented an automated network to update facility screens' presentations using VBA, batch scripting, and advanced business intelligence tools, improving communication and operational effectiveness across the facility.
  - **Kitting Process**:
    -Collaborated with a senior in-house Oracle developer to design and develop an application that enhanced the kitting process. This solution significantly improved accuracy, timeliness, and provided informative insights, ensuring a more efficient workflow and increased productivity.

Skills

- **Data Analytics**: R, Python, STATA, VBA, SQL, Business Intelligence tools, LaTeX, Data Scraping, Data Mining, Propensity Score Matching, & Tableau
- **General**: LaTeX, Operations Research, Dynamic Programming, Lean Six Sigma, & Prompt Engineering
- **Economic Skills**: Industrial Organization, Structural Modeling, Econometrics, Causal Inference