

# Ari Liverpool

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## EDUCATION

**Boston University**, Boston, MA **May 2024**

Master of Arts, Economics, GPA: 3.55

Relevant Coursework: *Calculus III, Econometrics, Economics of Labor Markets, Behavioral Economics, Industrial Organization*

**Virginia Polytechnic Institute and State University (VT)**, Blacksburg, VA **May 2024**

Bachelor of Science, Applied Economic Management, Concentration in Int'l Trade & Development

Relevant Coursework: *Rural Regional Development Policy, Monetary Global Issues, Applied Economic Forecasting*

## WORK EXPERIENCE

*Research Consultant*, **Women's Institute for Science, Equity, and Race**, Boston, MA **September 2024 - Present**

- Conducted exhaustive 68 article literature review on economic and medical costs of menopause
- Identified, designed, and explored research topic and area of focus with PhD economist
- Authored 5 work products including research papers and blogs translating complex economic findings
- Executed rigorous quantitative analysis of economic, labor market, and policy data using R and STATA

*Course Facilitator*, **Boston University Department of Economics**, Boston, MA **September 2024 - December 2024**

- Led weekly discussion sections and office hours for 3 courses in beginner and intermediate microeconomics
- Leveraged online learning platforms such as Blackboard and Cengage to enhance instruction and student comprehension
- Refined course materials, ensured instructional alignment, and graded student work with professors

*Advanced Track Program Scholar*, **American Economics Association (AEA)**, Washington, D.C. **May 2023 - July 2023**

- Selected for 39 student cohort in nationally competitive independent economics research program
- Completed 4 PhD level courses including microeconomics, math, econometrics, and research methods at Howard
- Completed individual research under mentorship of Federal Reserve board members
- Presented individual research and received feedback from AEA faculty and staff. See "Research"

*Research Assistant*, **Virginia Tech Core Lab**, Blacksburg, VA **August 2022 - December 2022**

- Compared indicators of drought to evaluate payout discrepancies in crop insurance program
- Developed replicable code to create pipeline downloading, wrangling, and analyzing data
- Wrangled data and generated visualizations with ggplot, dplyr, and tidyverse
- Shared research results with USDA policy officials

*Research Assistant*, **Data Science for the Public Good (DSPG)**, Blacksburg, VA **June 2022 - August 2022**

- Designed and implemented analytics solutions with the Zimbabwe National Statistics Agency and World Bank
- Prepared scripts to ensure proper data access, manipulation, and reporting functions with packages in R such as dplyr
- Developed Shiny App with dashboards and dynamic interactive systems using packages like ggplot and R Shiny
- Conducted literature review and prepared research summaries on the use of climate data to conduct policy analysis
- Facilitated data ingestion of Google Earth Engine (GEE) data using Python

## RESEARCH PAPERS

1. **Liverpool, A.**, Sharpe, R.V., "The Economic and Health Costs of Menopause" (working) **2024**
2. **Liverpool, A.**, "What are the Economic and Health Effects of Covid-19 on Racial and Ethnic Minorities" (working) **2023**
3. Abendin, N., Alwang, A., Chen, S., Fan, F., **Liverpool, A.**, Navarrete, J., Posadas, B., Quaye, L., & Tajanpure, R., **2022**  
"Using Remote Sensed Data for Social & Economic Decision Making in Zimbabwe". University of Virginia  
Biocomplexity Institute. [\[Link\]](#)
4. **Liverpool, A.**, Rudd, R., "Comparison of Indicators for Assessing Drought Rainfall Indices Used in the Pasture  
Rangeland Forage Insurance Program" (memo) **2022**

## PRESENTATIONS

1. "Health and Economic inequality due to COVID-19," AEASP closing presentation, Washington, DC **July 2023**
2. "Using Remotely Sensed Data for Social & Economic Decision Making in Zimbabwe," **July-August 2022**  
Shiny App and poster, VT Summer Research & DSPG Symposia, speaker and researcher, Blacksburg, VA

## SKILLS

**Software:** R, Stata, Python, Git and GitHub, LaTeX, Leaflet, RShiny, Microsoft Suite

**Data Analytics:** Mapping and Data Visualization, Applied Economic Forecasting, Statistical and Geospatial Analysis