Samuel E. Ross

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EDUCATION

- **Haverford College** — Haverford, PA
  B.S. in Mathematics & Economics; GPA: 3.96; Major GPAs: 4.0 — *Aug 2021 – May 2025*
  - **Selected Coursework**: Abstract Algebra, Advanced Microeconomics, Intermediate Macroeconomics, Linear Algebra, Machine Learning, Multivariate Statistical Analysis, Political Economy, Real Analysis, Statistical Methods
  - **Athletics**: Varsity Cricket Team

EXPERIENCE

- **Federal Reserve Board of Governors** — Washington, DC
  Intern, Stress Testing Research Section — *Jun 2023 – Aug 2023*

- **Haverford College, Department of Economics** — Haverford, PA
  Research Assistant for Professor Carola Binder — *Mar 2022 – Aug 2022*
  - **Magazine Article**: Wrote a critique of the Bank of England's 2022 economics explainer *Can't we just print more money?* which was published in *Central Banking* magazine in collaboration with my supervisor and a co-worker.
  - **Price Controls Book**: Synthesized research and contemporary sources into succinct reports used to write passages for a forthcoming book about historical price controls.
  - **NGDP Expectations Study**: Replicated my supervisor's project on consumer NGDP expectations. Included running OLS regressions and rolling correlations in Stata and sourcing data from the Michigan Surveys of Consumers database.
  - **Central Bank Communications Project**: Evaluated speeches by Federal Reserve leaders to identify biased or partisan language for a study investigating central bank communications.

ACTIVITIES

- **Haverford Economics Research Club** — Haverford, PA
  Co-Head & Lead Researcher — *Oct 2021 – Present*
  - **Covid Reopening Research Project**: Head a team extending an NBER Working Paper by Raj Chetty. Evaluate the impacts of varied Covid reopening policies on macro indicators with panel regressions and synthetic controls, using Stata and R. Presented this work in a joint University of Göttingen and INET-YSI replication webinar series in Nov 2022.
  - **Database Creation**: Built a Python web scraper that crawls *New York Times* archives for data on Covid reopenings and organizes them into a database.
  - **Academic Community Building**: Plan, promote, and host public talks where alumni in economics, public policy, or central banking present academic research. Lead journal readings to examine developments in economic literature.
  - **Career Development**: Provide professional development activities for students curious about research in economics and finance. Tutor members in R, Stata, and Excel, and mentor them in networking and career planning.

- **Haverford Problem Solving Group (Math Club)** — Haverford, PA
  Founder & Co-Head — *Aug 2021 – Present*
  - **National Competition Performance**: Facilitated Haverford's record top-20 placement in the 2021 Putnam Competition by organizing, advertising, and leading weekly competitive mathematics training events.
  - **Accessible Pedagogy**: Foster a diverse and inclusive mathematical community by writing themed problem sets in LaTeX that draw questions from varying subdisciplines and a wide range of difficulties.
  - **Responsible Financials**: Manage a club budget used for event registration, travel, and supplies by maintaining expense records. Communicate regularly with the chair to ensure spending conforms with department guidelines.

PUBLICATIONS

- "Book notes: Can't we just print more money?, by Rupal Patel and Jack Meaning" (2022, with Carola Binder and Devansh Goyal), *Central Banking*.

- "Reopening After Covid: A Replication and Extension of Chetty et al.: 'The Economic Impacts of COVID-19.'" (2022, with Annais Gangolf and Devansh Goyal), U. of Göttingen/INET-YSI Joint Replication Webinar Series.

SKILLS SUMMARY

- **Awards**: Class of 1896 Prize in Mathematics (Haverford College)
- **Programming**: HTML, Java, LaTeX, Mathematica, MATLAB, Python (incl., TensorFlow, Keras, sklearn), R, Stata, SQL
- **Tools**: Google Workspace, Git, Microsoft Office Suite (i.e., Excel, Powerpoint, Word), Unix, Tableau, Vim, Zotero
- **Languages**: English (Native), French (Working Proficiency)
- **Citizenship**: United States