

Samuel E. Ross

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EDUCATION

- **Haverford College** Haverford, PA
B.S. in Mathematics & Economics (In Progress); GPA: 3.93; Major GPA: 4.0 *Aug 2021 – May 2025*
 - **Selected Coursework:** Intermediate Macroeconomics Analysis, Statistical Methods and their Applications, Analytical Methods for Economics, Analytic Number Theory, Linear Algebra, Real Analysis (Ongoing)
- **Briar Woods High School: Academy of Science Magnet Program** Ashburn, VA
Diploma & AoS Certificate of Completion for Cellular and Molecular Biology; GPA: 4.49 *Aug 2017 – Jun 2021*

EXPERIENCE

- **Haverford College, Department of Economics** Haverford, PA
Research Assistant for Professor Carola Binder *Mar 2022 – Present*
 - **Published Article:** Co-authored a critical book review for Central Banking magazine of *Can't we just print more money?*, a popular economics and finance explainer published by the Bank of England.
 - **Price Controls Research:** Composed draft sections of a forthcoming book about the history of price controls in the US using historical sources and academic research that I located, read, and synthesized into succinct reports.
 - **NGDP Expectations Study:** Analysed survey data from the Michigan Surveys of Consumers database in Stata and Excel using statistics (OLS, rolling correlation, etc.), verifying results for a project on consumer NGDP expectations.
 - **Central Bank Communications Project:** Collaboratively evaluated and categorized speeches by Federal Reserve leaders in Excel for a study using natural language processing to analyze biases in central bank communications.
- **Haverford College, Office of Access and Disability Services** Haverford, PA
ADS Notetaker for MATH H215: Linear Algebra *Aug 2021 – Dec 2021*
 - **Real-time Academic Writing:** Typeset real-time notes in LaTeX for ADS-eligible students in Haverford's linear algebra course, translating abstract mathematical and statistical concepts into concise reports with custom graphics.
 - **Active Response to Needs:** Communicated with ADS staff weekly to ensure that my work satisfied performance standards and was optimal for students studying with accommodations or disabilities.

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*.

ACTIVITIES

- **Haverford Economics Research Club** Haverford, PA
Co-Head & Lead Researcher *Oct 2021 – Present*
 - **Covid Reopening Research Project:** Lead a collaborative team of student researchers extending a Raj Chetty NBER Working Paper by analysing the impacts of varied state-level Covid reopening policies on macroeconomic variables using Stata, R, Excel, and Powerpoint for a November 2022 conference presentation and a forthcoming article.
 - **Academic Community Building:** Organize public talks for alumni working in economics, public policy, or central banking to present their academic research, and journal readings to examine new developments in economic literature.
 - **Career Development:** Provide professional development activities for Haverford students curious about research in economics and finance, including individual tutoring in R, Stata, and Excel, as well as networking and job search training.
- **Haverford Problem Solving Group (Math Club)** Haverford, PA
Founder & Co-Head *Aug 2021 – Present*
 - **National Competition Performance:** Facilitated Haverford's record-breaking 17th place 2021 Putnam Competition finish by organizing weekly competitive mathematics training events for interested Haverford students.
 - **Accessible Pedagogy:** Foster a diverse and inclusive mathematical community by creating themed problem sheets with questions drawn from varying subdisciplines and a wide spectrum of difficulties.
 - **Responsible Financial Management:** Maintain active communication with college leadership and the club treasurer to ensure that math department funds are spent with adequate oversight and within an accountable framework.

SKILLS SUMMARY

- **Programming Languages:** Stata, R, LaTeX, Mathematica, SQL, Java, Python, Unix scripting, HTML
- **Tools:** Git, Microsoft Office Suite (viz., Excel, Powerpoint, & Word), Google Workspace, Tableau, Zotero
- **Languages:** English (Native), French (Working Proficiency)
- **Citizenship:** United States