DEAN **KAPLAN**

Cambridge, MA| (443) 834-3195 | kaplan@gse.harvard.edu

Education

Harvard University, Pre-doctoral Coursework | GPA: 3.7 Jan 2020 to May 2024
Linear Algebra and Real Analysis I, Introduction to Econometrics, Intermediate Macroeconomics, Cambridge, MA
Microeconomic Theory, Program Evaluation and Education Policy,
Multivariable Calculus, Linear Algebra and Differential Equations

Harvard University, Graduate School of Education | GPA: 3.7 Aug 2018 to May 2019
Master of Education in Specialized Studies | Applied Statistical Analysis Cambridge, MA

University of Maryland, College Park | **GPA: 3.8** Jan 2015 to Aug 2017
Bachelor of Science in Elementary Education College Park, MD

Research Projects & Experience

Research Analyst II Sep 2019 to Present
Center for Education Policy Research, Harvard University Cambridge, MA
- Establish data pipelines with partners, run power analyses and randomize students for rapid-cycle RCT interventions
- Analyze and estimate impact of field trials utilizing both Linear and Bayesian models
- Pre-register trials prior to trials and author academic papers on analytic results
- Present findings at academic conferences and to school leaders throughout the year
- Train junior analysts in coding procedure and model specification

Institutional Research Intern Jun 2019 to Aug 2019
Office of Student Affairs, Harvard Graduate School of Education Cambridge, MA
- Collect and aggregate data across departments including Academic Affairs, Admissions, Alumni Relations, and HR
- Report on quantitative analysis of student, staff and faculty data, conduct qualitative interviews and meet with stakeholders across campus to build and strengthen institutional memory
- Produce figures and tables for use in Office of Student Affairs materials

Empathy Strategies Intern Sep 2018 to Jun 2019
Making Caring Common, Harvard Graduate School of Education Cambridge, MA
- Clean, merge, analyze and report quantitative data from RCT outcomes over 2,000 student surveys
- Design low-load empathy strategies for over 150 middle and high school teachers and counselors across the country
- Develop pre/post-test surveys and accompanying codebooks about implementation and data collection

Research Assistant for Dr. Erica Zippert Jun 2015 to May 2016
Department of Human Development and Quantitative Methodology, University of Maryland Baltimore, MD
- Ran study which included math assessment and facilitation of filmed parent-child interaction
- Coded qualitative data from in-person filmed interactions (over 50 hours of video footage)
- Accepted to present poster of findings at the National Research & Development Center on Cognition & Mathematics Instruction

Research Assistant for Dr. Emily Rosenzweig Aug to Dec 2015
Department of Human Development and Quantitative Methodology, University of Maryland College Park, MD
- Coded qualitative responses from over 100 essays written by high school students
- Analyzed and provided recommendations for changes in coding schemes
- Contributed to intercoder reliability and item collection criteria for analysis

Research Assistant for Dr. Katie Muenks Jun to Jul 2015
Department of Human Development and Quantitative Methodology, University of Maryland College Park, MD
- Ran lab experiment by checking-in participants, acquiring informed consent, and paying participants
- CITI Social and Behavioral Research Training completed
- Answered study participants' questions about research

Cyberwarfare Modeling Research Assistant Jul to Aug 2010
Cyber Operations, John's Hopkins Applied Research Lab Laurel, MD
- Researched and developed mathematical models simulating cyber-warfare attacks
- Self-taught statistical methods needed to build models
- Conducted background research and presented summaries of findings

Teaching/Advising Experience

Academic Advisor and Proctor Aug 2021 to present
Harvard College Cambridge, MA
- Advise first-year students regarding course selection and four-year academic plans
- Collaborate with faculty to create remediation plans for students needing additional support
- Support honors council proceedings related to academic integrity
- Serve as officer of the university to respond to student emergencies and Title IX cases

Equity and Inclusion Fellow Sep 2018 to Aug 2019
Harvard Graduate School of Education Cambridge, MA
- Co-facilitate intergroup dialogue workshops with groups within the Harvard community and with the Greater Boston Area (Worked on over a dozen workshops that included 10-60 individuals)
- Connect different departments within HGSE in promoting equity and inclusion
- Provide resources and guidance to staff and faculty in addressing issues of diversity, inclusion and equity

GRE and SAT Instructor Oct 2017 to Aug 2018
Kaplan Inc. Columbia, MD
- Taught GRE and SAT courses for class sizes that ranged from 10-30 students as well as private lessons for both SAT and GRE
- Averaged teacher quality rating of 9.2 out of 10
- Consulted as undergraduate and graduate advisor, edited essays and coached students about application submissions

3rd Grade Student-Teacher Full-Time Intern Aug 2016 to Mar 2017
Germantown Elementary Annapolis, MD
- Planned and implemented lessons in Math, Science, English and Social Studies in 3rd Grade Classroom
- Differentiated lesson plans for classroom of primarily English Language Learners (ELLs)
- Integrated county curriculum with Primary Years Program (PYP) guidelines

Teaching Assistant for Professional Writing Program Sep 2016 to Dec 2016
English Department under Professor Pamela Gerhardt, University of Maryland College Park, MD
- Planned and implemented writing lessons for university juniors and seniors
- Edited and graded papers throughout the semester
- Conferred with students during office hours to provide one-on-one editing

Papers & Presentations

Swanson E., Solowski K., Ash J., **Kaplan D**., Sanbonmatsu L., Staiger D., Kane, TJ. (2023) Estimating the Effectiveness of Personalized Messages at Reducing Student Absences: Experimental Evidence from a Rural School Research Network. Presented at: Association for Education Finance Policy 48th Annual Conference, Denver, CO. **(Presenting Author)**

Swanson E., Solowski K., Ash J., **Kaplan D**., Sanbonmatsu L., T D., Kane, TJ. (2022) Estimating the Effectiveness of Personalized Messages at Reducing Student Absences: Experimental Evidence from a Rural School Research Network. Presented at: Association for Public Policy and Analysis 2022 Fall Research Conference, Washington, DC. **(Presenting Author)** Available at: Link

Johnson B., Bolyard J.A., **Kaplan D.**, Hersh D., Sanbonmatsu L., Staiger D., Kane, TJ. (In Progress). Can Digital Attendance Reminders Reduce Absences? Evidence from Three Randomized Field Trials.

Kaplan D., Kieninger K., Ash J., Sanbonmatsu L., Staiger D., Kane, TJ. (2021) Every Day Counts Everywhere: Examining Attendance Trends Across Urban, Suburban, Town, and Rural Districts. Presented: Association for Education Finance and Policy Annual Conference 46th Conference **(Presenter)**

Zippert E, Schneider R, **Kaplan D**, Ramani GB. (2016). Exploring the role of preschoolers' interest and ability in number exploration during card game play with parents. **Presented Poster** at: Bringing Cognitive Science Research to the Classroom; Arlington, VA.

Skills

Data Analysis: STATA (OLS, Logit/Probit, SEM, Bayes), R (Shiny, glm, miceadds, dplyr), Python (matplotlib, scikit-learn, pytourch)

Object Oriented Programming and Design: Java, LaTeX, HTML/CSS