# Education

**Boston College** Aug 2024 to May 2030

*Ph.D. in Economics* Chestnut Hill, MA

**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 July 2024

## *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

# Teaching/Advising Experience

## Teaching Assistant for Introductory and Intermediate Statistics for Educational Research Sep 2024 to Dec 2024

*Harvard Graduate School of Education* Cambridge, MA

* Serve as teaching assistant for Dr. Joe McIntyre
* Grade papers, provide feedback to students and respond to inquires about course content

## 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

## 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., Ash J., **Kaplan D**., Sanbonmatsu L., Staiger D., Kane, TJ. (2024) Trends in Postsecondary Transitions in Rural Areas: A Descriptive Analysis from a Rural Research Network. Presented poster at: Association for Education Finance Policy 49th Annual Conference, Baltimore, MD. **(Presenter)**

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 paper 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 paper at: Association for Public Policy and Analysis 2022 Fall Research Conference, Washington, DC. **(Presenting Author)** Available at: [Link](https://appam.confex.com/appam/2022/meetingapp.cgi/Paper/45247)

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 paper at: Association for Education Finance and Policy 46th Annual 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 National Conference; 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