

# Brian O. Bernstein

January 2021

Department of Psychology and Human Development  
310 Peabody Administration Building  
Vanderbilt University  
Nashville, TN 37203

Office: (615) 343-4564  
brian.o.bernstein@vanderbilt.edu

## Education

**Ph.D. in Psychological Sciences: Quantitative Methods (ABD)** *Fall 2016–Present*

Minor in Biostatistics  
Vanderbilt University, Peabody College, Nashville, TN  
Advisors: David Lubinski and Camilla P. Benbow

**M.S. in Psychological Sciences: Quantitative Methods** *Summer 2019*

Vanderbilt University, Peabody College, Nashville, TN  
Advisors: David Lubinski and Camilla P. Benbow

**B.S. in Neuroscience** (with highest distinction) *Spring 2016*

University of Rochester, Rochester, NY  
Magna cum laude

**B.A. in Psychology** (with highest distinction) *Spring 2016*

University of Rochester, Rochester, NY  
Magna cum laude

## Awards and Societies

### *Graduate*

National Science Foundation Graduate Research Fellow *Fall 2017–Summer 2022*  
Grant Award #1445197

Vanderbilt University Graduate Fellowship *Fall 2016–Spring 2021*

Susan Gray Awards

Best Student First-Authored Publication in Department *2020*

Best Student First-Authored Publication in Department *2019*

AERA ROGCT SIG Travel Award *Spring 2019*

SMEP Student Travel Awards *2017, 2018, 2019, 2020*

ISIR Student Travel Awards *2018, 2019*

Sigma Xi *Fall 2017*

DoE's Quasi-Experimental Design and Analysis Workshop Award *Summer 2017*

Peabody Dean's Fellowship *Fall 2016*

### *Undergraduate*

Kauffman Entrepreneurial Scholar *Fall 2015–Spring 2016*

Dean's List *Fall 2011–Spring 2016*

Wilder Trustee Scholarship *Fall 2011–Spring 2015*

Phi Beta Kappa *Spring 2015*

## **Refereed Publications**

Lubinski, D., Benbow, C. P., McCabe, K. O., & Bernstein, B. O. (under review). Top STEM doctoral students at age 50: Roads taken by exceptional women and men to compose meaningful lives.

Bernstein, B. O., Lubinski, D., & Benbow, C. P. (2020). Academic acceleration in gifted youth and fruitless concerns regarding psychological well-being: A 35-year longitudinal study. *Journal of Educational Psychology*. Advance online publication. <https://doi.org/10.1037/edu0000500>  
Media Mention: *The Wall Street Journal* (09/17/2020)

Bernstein, B. O., Lubinski, D., & Benbow, C. P. (2019). Psychological constellations assessed at age 13 predict distinct forms of eminence 35 years later. *Psychological Science*, 30, 444-454. <https://doi.org/10.1177/0956797618822524>  
Media Mention: *Education Week* (04/15/2019)  
Media Mention: *National Association for Gifted Children NewsSource* (04/23/2019)

## **Presentations**

Bernstein, B. O., Lubinski, D., & Benbow, C. P. (2020, April). *Academic acceleration in gifted youth and fruitless concerns about psychological well-being: A 35-year longitudinal study*. Poster presentation at the 2020 meeting of American Educational Research Association: San Francisco, California. [canceled due to COVID-19 outbreak].

Bernstein, B. O., Lubinski, D., & Benbow, C. P. (2019, July). *Academic acceleration in gifted youth and fruitless concerns about psychological well-being: A 35-year longitudinal study*. Oral presentation at the twentieth annual meeting of the International Society for Intelligence Research: Minneapolis, Minnesota.

Bernstein, B. O., Lubinski, D., & Benbow, C. P. (2019, April). *Psychological constellations assessed at age 13 predict distinct forms of eminence 35 years later*. Oral presentation at the 2019 meeting of American Educational Research Association: Toronto, Canada.

Bernstein, B. O., Lubinski, D., & Benbow, C. P. (2018, July). *Contrasting constellations of promise among intellectually precocious youth foreshadow eminence 35 years later*. Oral presentation at the nineteenth annual meeting of the International Society for Intelligence Research: Edinburgh, Scotland.

Bernstein, B. O., Lubinski, D., & Benbow, C. P. (2018, May). *Psychological constellations foreshadowing eminence: A four-decade longitudinal study*. Poster presented at the twelfth Wallace Symposium on Talent Development: Baltimore, Maryland.

Bernstein, B. O., Lubinski, D., & Benbow, C. P. (2017, July). *Contrasting constellations of promise among intellectually precocious youth foreshadow eminence 35 years later*. Poster presented at the eighteenth annual meeting of the International Society for Intelligence Research: Montreal, Canada.

Bernstein, B. O. & Klos, H. (2014, December). *Confidence, value, and perceived learning in the classroom*. Poster presented at the University of Rochester College of Arts and Sciences Poster Session: Rochester, New York.

Bernstein, B. O. (2014, April). *Which types of learners are enrolled in organic chemistry 2, and which types do well?* Poster presented at the University of Rochester College of Arts and Sciences Poster Session: Rochester, New York.

Bernstein, B. O., DeCoursey, J., & McClelland, K. (2013, December). *An investigation of demographics and academic performance*. Poster presented at the University of Rochester College of Arts and Sciences Poster Session: Rochester, New York.

## **Research Experience**

*Study of Mathematically Precocious Youth* *Fall 2016–Present*

Graduate Research Assistant

Vanderbilt University, Nashville, TN

Principal Investigators: David Lubinski and Camilla P. Benbow

Description: Examining the personal attributes, educational needs, and life outcomes of over 5,000 intellectually talented youth through a longitudinal study currently in its fifth decade.

*Cancer Control and Psychoneuroimmunology Laboratory* *Fall 2015–Spring 2016*

Research Assistant

University of Rochester, Rochester, NY

Principal Investigator: Michelle Janelins-Benton

Description: Examined how exercise and anti-inflammatories moderate cancer-related cognitive impairment.

*Rochester Center for Research on Children and Families* *Spring 2014–Spring 2015*

Research Assistant

University of Rochester, Rochester, NY

Principal Investigator: Melissa Sturge-Apple

Description: Documented and coded sessions of experimenters interacting with mothers and their children in an effort to compare stress levels and interactions between these dyads.

*NIH Summer Internship* *Summer 2013*

Hanover Lab, NIDDK, NIH, Bethesda, MD

Principal Investigator: John Hanover

Description: Isolated and quantitatively analyzed *Caenorhabditis elegans* strains' genotypes and phenotypes using tracking software.

*Computational Cognition and Perception Lab*

Fall 2012–Spring 2013

Research Assistant

University of Rochester, Rochester, NY

Principal Investigator: Robert Jacobs

Description: Contacted subjects to be run in visual-learning experiments. Presented research articles in the cognitive sciences.*Keen-Rhinehart Lab*

Summer 2012

Lab Trainee

Susquehanna University, Selinsgrove, PA

Principal Investigator: Erin Keen-Rhinehart

Description: Practiced brain sectioning, mounting, and immunohistochemistry in an effort to analyze levels of neuropeptides in prenatally stressed rats.*La Tirimbina Biological Reserve*

Summer 2011

Volunteer

Tirimbina Biological Reserve, La Virgen de Sarapiquí, Heredia, Costa Rica

Description: Assisted in field research on butterflies in the remote rainforest of Costa Rica.**Methodological Training and Instructors***Graduate: Quantitative Methods*

Statistical Inference

Correlation &amp; Regression

Psychological Measurement

Quantitative Methods and Experimental Design

Individual Differences

Applied Nonparametric Statistics

Categorical Data Analysis

Multilevel Modeling

Structural Equation Modeling

Advanced Structural Equation Modeling

Exploratory and Graphical Data Analysis

Survival Analysis

Multivariate Statistics

Introduction to Item Response Theory

Applied Bayesian Analysis

Quantitative Methods Forum

Shane Hutton

Joseph Rodgers

David Lubinski

Andrew Tomarken

David Lubinski

Kris Preacher

Andrew Tomarken

Kris Preacher

David Cole

Kris Preacher

Joseph Rodgers

Shane Hutton

Hao Wu

Sun-Joo Cho

Sun-Joo Cho

Sonya Sterba

*Graduate: Biostatistics*

Introduction to Statistical Computing

Fundamentals of Probability

Contemporary Statistical Inference

Advanced Regression Analysis I

Advanced Regression Analysis II

Advanced Statistical Learning and Inference

Christopher Fonnesebeck

Amber Hackstadt

Jeffrey Blume

Hakmook Kang

Jonathan Schildcrout

Matthew Shotwell

*Graduate Workshops*

Quasi-Experimental Design and Analysis  
 Regression Modeling Strategies  
 Mixture Modeling and Latent Class Analysis  
 Introduction to Data Science in Python  
 Big Data Analytics

Tom Cook & Stephen West  
 Frank Harrell  
 Curran-Bauer Analytics  
 Tal Yarkoni  
 Choudur Lakshminarayan

*Undergraduate*

Applied Statistics I  
 Applied Statistics II  
 Introduction to Probability  
 Introduction to Mathematical Statistics

Maria McDermott  
 Nicholas Zaino  
 Eyal Neumann  
 S. R. S. Rao Poduri

**Software Skills**

AMOS • Excel • Git • Hadoop • HTML/CSS • Jupyter •  $\text{\LaTeX}$  • LISREL • Markdown •  
 Mendeley • Python • R (primary language) • SAS • SPSS • SQL • Tableau

**Languages (ILR scale)**

- English (native language)
- Spanish Español (professional working proficiency)
- Mandarin 中文 (elementary proficiency)
- Hebrew עברית (elementary proficiency)

**Teaching Experience**

- Graduate\* and Undergraduate Teaching Assistant
  - Multilevel Modeling\* *Spring 2020*
  - Structural Equation Modeling\* *Fall 2019*
  - Individual Differences\* *Spring 2019*
  - Psychometric Methods\* *Fall 2018*
  - Ecology *Fall 2015*
  - Physics 2: Electricity and Magnetism *Spring 2015*
  - Physics 1: Newtonian Physics *Fall 2014*
  - Neural Foundations of Behavior *Fall 2014*
  - Organic Chemistry 2 *Spring 2014*
  - Organic Chemistry 1 *Fall 2013*
  - Honors Introductory Biology *Spring 2013*
- Graduate\* and Undergraduate Guest Lecturer
  - Individual Differences\* *Spring 2019*
  - Psychometric Methods *Fall 2018*

## **Public Service for Advancing Equity and Inclusion**

*Nashville International Center for Empowerment, Nashville, TN*  
Volunteer/Teacher

*Fall 2016–Present*

Description: Leading weekly English education and cultural awareness classes for recently arrived adult refugee populations in Nashville.

*Saturday-at-Carlson Tutoring, Rochester, NY*  
Volunteer/Tutor

*Fall 2015–Spring 2016*

Description: One-on-one tutoring weekly with K-12 refugee children from the greater Rochester area.

## **References**

*Camilla P. Benbow*

Patricia & Rodes Hart Dean of Education & Human Development  
Co-director, Study of Mathematically Precocious Youth  
Office of the Dean, Peabody College  
Vanderbilt University  
(615) 322-8407  
camilla.benbow@vanderbilt.edu

*David Lubinski*

Cornelius Vanderbilt Professor of Psychology  
Co-director, Study of Mathematically Precocious Youth  
Department of Psychology & Human Development  
Vanderbilt University  
(615) 343-1195  
david.lubinski@vanderbilt.edu

*Kristopher J. Preacher*

Professor & Associate Chair  
Associate Editor, *Psychological Methods*  
Department of Psychology & Human Development  
Vanderbilt University  
(615) 343-1648  
kris.preacher@vanderbilt.edu

*Sonya K. Sterba*

Associate Professor & Director of Quantitative Methods  
Associate Editor-Elect, *Psychological Methods*  
Department of Psychology & Human Development  
Vanderbilt University  
(615) 343-0570  
sonya.sterba@vanderbilt.edu