

# Rebecca Davis

## Curriculum Vitae

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### Contact Information

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### Objective

To investigate the challenges facing marginalized students in our PreK-12 education system, evaluate policy solutions and contribute to a more equitable public education through rigorous research and advocacy.

### Research Interests

Economic evaluation of education including cost-effectiveness and benefit-cost analysis. Intersections and collaborations between policy areas, especially housing policy and education policy. Comprehensive systems of student supports. The research/practice/policy relationship. How decisionmakers utilize data and research.

### Education

Present	Ph.D. Student: University of Pennsylvania Education Policy Expected degree: Spring 2022
2017-2019	Ph.D. Student: North Carolina State University Educational Policy and Program Analysis
2008-2009	Master of Education: University of New Hampshire Research Focus: Implementation of a teaching model focused on student choice and autonomy in elementary school classrooms.
2004-2008	Bachelor of Arts: Studio Art: University of New Hampshire University Scholar

### Professional License

K-12 Art Teacher, State of North Carolina

### Fellowships & Awards

2019-20	Dean's Fellow, University of Pennsylvania
2019	Stone Center Inequality by the Numbers Fellow A weeklong intensive held at Stone Center's US office at The Graduate Center at CUNY. Worked with PhD students and early career scholars from across a set of

disciplines to deepen our knowledge of domestic and global socio-economic inequality and helpful methods for understanding this inequality.

2019 North Carolina State University Education Leadership Policy and Human Development Departmental Graduate Assistant Travel Award

2017-2018 Education Policy Fellow  
Institute for Education Leadership  
Hosted by: Public School Forum of North Carolina  
A national year long program that seeks to build networks of leaders in education policy from across fields and disciplines. Worked with a small group of colleagues to present policy suggestions regarding the teacher pipeline to elected officials at the state and national level.

## **Employment**

2018-Present Research Assistant

Under Dr. Brooks Bowden, University of Pennsylvania Department of Education Evaluation and Policy Analysis North Carolina State University

- Served on several evaluation teams including and evaluation of school based student hunger interventions and a statewide digital learning policy
- Assisted in the application for large IES and foundation grants.
- Collaborated with a team from the Friday Institute to work on a report concerning the Leandro Case; an ongoing court case regarding students' constitutional right to an adequate education.
- Worked with a research team to conduct economic evaluations of educational policy and interventions.
- Managed and analyzed large data sets using Excel and STATA software.

## **Research Experience**

2020-Present Consultant

Cost of COVID-19 Related Childcare Facility Closures

Penn State Harrisburg Institute of State and Regional Affairs

- Consulted on a report on the costs borne by childcare facilities from the COVID-19 closures for the Pennsylvania Governmental Office of Child Development and Early Learning.
- Worked rapidly with a team to conduct rigorous and policy relevant research on a short timeline.
- Analyzed data on costs and projected estimates. Consulted on dissemination including visualization, written reports, and verbal presentation.

2019-Present Research Assistant

Randomized Control Trial of Zoology One, IES Efficacy Trial

University of Pennsylvania & Consortium for Policy Research in Education

- Worked with PI and additional team members to plan, implement, analyze, and disseminate research.
- Analyzed data to estimate the costs to produce effects in the context of a multi-year, multi-site RCT.
- Reviewed RCT and cost methodology to insure rigorous research quality.
- Continuing work includes follow-up analysis and data collection.

2019-2020 Research Assistant

Cost of Child Care

- Used the ingredients method to assess the costs of child care at 30 different sites throughout the state of Pennsylvania.
- Managed a large volume of qualitative and quantitative data.
- Consulted on adherence to the ingredients methodology and assumptions
- Worked with the team to disseminate the work via conference presentations, written reports, presentations to stakeholders, and working papers.

2018-2019 Research Assistant

Leandro Action Plan Success Factors Study,  
The Friday Institute for Educational Innovation & North Carolina State  
University

- Utilized the ingredients method to research three school-system based student hunger interventions, report forthcoming.
- Attended site visits to school districts throughout the state, collected data through observations, interviews, focus groups, and document analysis.
- Analyzed multi-year data regarding a variety of metrics in high poverty schools including achievement data, teacher turnover, and achievement gaps.
- Wrote a variety of documents for external consumption including research proposals, briefs, and summary presentations.

2018-Present Research Assistant

North Carolina Digital Learning Initiative  
The Friday Institute for Educational innovation & North Carolina State  
University

- Visited school districts to conduct interviews and observe school practices.
- Reviewed current and past research to contextualize our initial findings.
- Participated in ongoing data analysis pertaining to state and national level policy regarding internet access.

2018 Facilitator

Conversations to Elevate Educator Voice.  
Jefferson Education Exchange & the United States Department of Education  
Institute of Education Sciences

- Lead a series of focus groups of educators discussing their use of data in their teaching practices.
- Assisted participants in completing digital surveys as needed.

### **Teaching Experience**

2020 Co-Instructor: University of Pennsylvania EDUC 601: Economic Aspects of Education Policy.

2019 Teaching Assistant: University of Pennsylvania EDUC 545-01: Methods of Economic Evaluation.

### **Policy Reports**

Sirinides, P., Wechnau, S., Sturges, N., Sevinsky, T., Kuntz, A., Collins, G., Davis, R. A., Gilliard R. (2020). The Impacts of COVID-19 on Pennsylvania Child Care Providers. Harrisburg, PA: PennState Harrisburg Institute of State and Regional Affairs.

Collins, G., Sirinides, P., Davis, R. A., & Bryson, E.A.R, (2020). Economic Value of Resources Delivered in Early Childhood Education Settings. Philadelphia, PA: Consortium for Policy Research in Education.

Bowden, A. B. & Davis, R. A. (2019) Addressing Leandro: Supporting Student Learning by Mitigating Student Hunger. Raleigh, NC: North Carolina State University.

### **Blog Posts**

Bowden, A.B., & Davis, R.A. (2020). *With Fewer Funds and Greater Needs, Schools Should Pursue Cost-Effectiveness Strategies*. The Brown Center Chalkboard at Brookings. <https://www.brookings.edu/blog/brown-center-chalkboard/2020/05/26/with-fewer-funds-and-greater-needs-schools-should-pursue-cost-effectiveness-strategies/>

### **Peer Reviewed Conference Presentations**

Davis, R. A., (2020). Patterns of Entrance and Exit from Universal Free School Meal Programs Under the Community Eligibility Provision. Association for Public Policy Analysis and Management Student Research Conference, Washington D.C. (Accepted, conference canceled)

Bowden, A.B., Davis, R.A. (2020). Estimating the Cost-Effectiveness of a Comprehensive Kindergarten Literacy and Science Curriculum that Strengthens Reading at Home. Annual Meeting of Society for Research on Educational Effectiveness, Arlington, VA. (Accepted, conference canceled)

Shand, R., Bowden A. B, & Davis, R. A., (2020). Has Godot Arrived? An update on the State of Economic Evaluation in Education Research. AERA, San Francisco, CA. (Accepted, conference canceled)

Collins, G., Sirinides, P., Davis, R. A., & Bryson, E.A.R, (2020). Economic Value of Resources Delivered in Early Childhood Education Settings. Annual meeting of the Association for Education Finance Policy, Fort Worth, TX. (Accepted, conference canceled, G. Collins presented virtually)

Bowden, A.B., & Davis, R. A. (2019). Addressing Hunger in School: An Analysis of the Costs and Potential Benefits of Food Insecurity Interventions. Poster prepared for the Harvard Graduate School of Education Student Research Conference, Cambridge, MA.

Bowden, A.B., & Davis, R. A. (2019). Addressing Hunger in School: An Analysis of the Costs and Potential Benefits of Food Insecurity Interventions. Poster prepared for the annual meeting of the Association for Education Finance Policy, Kansas City, MO.

### **Working Papers**

Davis, R.A. Patterns of Entrance and Exit from Universal Free School Meal Programs Under the Community Eligibility Provision.

Bowden, A.B., & Davis, R.A. Addressing Food Insecurity through the School.

Shand, R., Bowden A. B, & Davis, R. A., (2020). Has Godot Arrived? An update on the State of Economic Evaluation in Education Research.

Sirinides, P., Collins, C. & Davis, R.A. Estimating the Costs of Child Care.

### **Service**

2019 Social Media Representative, Society for Research in Educational Effectiveness 2019 Conference, Washington D.C.

2018-Present Graduate Student Board Member, Membership Committee  
Association for Educational Finance and Policy

2018-Present Chair of the Professional Development Committee  
North Carolina State University Graduate Student Advisory Board  
Worked collaboratively with faculty and other graduate students to improve the graduate student experience.

### **PK-12 Teaching Experience**

I come to my policy research career with the unique experience of having taught in a variety of diverse schools including high poverty rural and urban schools, schools in areas with relatively strong public support as well as significantly under-resourced schools in three different states at all grade levels from PreK-12th grade. I served as a

leader and mentor to my colleagues and bring with me multiple areas of strength including student advocacy, assessment, instructional design, parental communication, technology integration and differentiation.

- 2017-2018 Technology Teacher (3rd-5th)  
Conn Magnet Elementary School, Raleigh, North Carolina
- 2016-2017 Art Teacher (K-5th)  
Mills Park Elementary School, Cary, North Carolina
- 2013-2016 Art Teacher and Technology Leader (PreK-3rd)  
Eliot Elementary, Eliot, Maine
- 2012-2013 Art Teacher (K-8th)  
Gilmanton School, Gilmanton, New Hampshire
- 2012-2013 Art Teacher (5<sup>th</sup>-8<sup>th</sup> year long substitute)  
Wells Jr. High School, Wells, Maine
- 2010-2011 Art Teacher (1<sup>st</sup>-5<sup>th</sup> position cut due to budget)  
North Elementary School, Londonderry, New Hampshire
- 2009-2010 Art Teacher (K-5<sup>th</sup> year long substitute)  
Fuller Elementary School, Keene, New Hampshire
- 2008-2009 Graduate Student Teacher,  
Marshwood High School (9<sup>th</sup>-12<sup>th</sup>), Eliot, ME &  
Moharimet Elementary School (K-4<sup>th</sup>), Madbury, NH
- 2007-2008 Assistant Preschool Teacher  
Live and Learn Early Learning Center, Lee, NH
- 2006-2007 Art Director/International Staff Mentor  
YMCA Camp Gundalow, Greenland, NH

### **Association Memberships**

- Association for Education Finance & Policy (AEFP)
- Society for Research in Educational Effectiveness (SREE)
- Association for Public Policy Analysis & Management (APPAM)
- American Education Research Association (AERA)