THE WATSON SCHOOL of International and Public Affairs
BROWN UNIVERSITY

MASTER OF PUBLIC AFFAIRS

Quantitative Resume Guide

Please include only experiences that demonstrate quantitative, analytical, technical, or data-related skills. Your quantitative resume should be concise, intentional, and easy to read so the Admissions Committee can quickly understand your preparation.

You may include academic, professional, research, internship, volunteer, co-curricular, or applied experiences, or a combination of these. This document is one part of your application and is intended to supplement the rest by providing a clearer picture of your quantitative readiness for the MPA program.

Be thoughtful about what you include. You may use this section to highlight relevant experiences, skills, tools, or projects that are not listed elsewhere in your application, as long as they demonstrate your preparation for the quantitative, mathematical and analytical expectations of the program. Please list each experience in the recommended format.

1. Academic Experience:

Relevant coursework may include, but is not limited to:

- Quantitative or analytical courses such as statistics, economics, calculus, research methods, econometrics, data analysis, data science, computer science, finance, program evaluation, or policy analysis.

For each course, include:

- Course title, institution, term/year, grade if appropriate, and a brief description of key concepts, tools, methods, or assignments covered.

2. Professional, Research, Internship, Volunteer, and/or Co-Curricular Experience

Relevant experience may include, but is not limited to:

- Data, research, evaluation, budgeting, reporting, or analysis experience using tools such as Excel, Tableau, Power BI, Qualtrics, R, Python, Stata, SAS, SQL, SPSS, or similar platforms.

For each experience, include:

- Organization/project name, role/title, dates, brief responsibilities, tools or methods used, and relevant outcomes or findings.

Example: Bruno Brown, MPA Applicant - Quantitative Resume

Experiences and Courses	Description
Center for Education Policy, Cambridge, Massachusetts, Research Analyst, Full-Time September 2022-Present	Helped design several research projects to understand educational disparities amongst different immigrant populations in the Boston metropolitan area. ● Data cleaning, analysis using Stata ● Helped design surveys using SurveyCTO and Qualtrics
Research Assistant Brown University Summer 2022	Work with Associate Professor of Education Jane Wallace on the impact of student incentives and education subsidies on student dropout rates in Uganda. ● Data cleaning ● Initial data analysis using STATA
Policy Analysis and Program Evaluation for Education, Brown University Grade: A Fall 2021	Overview of education policy analysis with an emphasis on econometric strategies for measuring program impacts. ● Political context for policy research ● Social experiments ● Alternative strategies for making causal inferences ● Cost-benefit analysis
Introductory Statistics for Education Research and Policy Analysis Brown University Grade: A Spring 2021	Applied statistics for conducting quantitative research in the social sciences, with a focus on education policy using STATA. ● Fundamentals of probability ● Descriptive and summary statistics ● Tabular and graphical methods for displaying data ● Statistical inference, analytic methods for exploring relationships with both categorical and continuous measures ● Multivariate regression
Intermediate Microeconomics Brown University Grade: B Spring 2021	Tools for use in microeconomic analysis, with public policy applications. ● Theory of consumer demand ● Theories of the firm, market behavior ● Welfare economics ● General equilibrium
Applied Partial Differential Equations I Brown University Grade: A Fall 2020	Processes with two or more independent variables are formulated as partial differential equations (PDEs) using multivariable calculus. ● How problems are described quantitatively as PDEs ● How seemingly unrelated contexts can result in similar equations ● Develop methods for solution using analytical, numerical or qualitative methods
Principles of Economics Brown University Grade: B+ Fall 2019	Economic issues, institutions, and vocabulary Introduction to economic analysis and its application to social problems. ● Recognize the tradeoffs faced by consumers and producers, and derive optimal behavior under different circumstances ● Understand the determinants and welfare implications of market equilibrium, as well as the government's role in the economy ● Identify factors determining a country's standard of living and economic fluctuations, and use economic analysis to evaluate both microeconomic and macroeconomic events, issues, and policies