Berkeley MaCSS

Helpful Tips for Writing Your Quantitative Statement

What is a Quantitative Statement:
The quantitative statement allows you to highlight your quantitative skills and experience in an academic and/or professional setting.

Why are we asking for this?
We want to know how much you know about statistics and computing. We will use this information to guide our design of the quantitative skills courses, especially our summer boot camp courses.

We expect applicants to have a wide range of experience with quantitative skills, so if you have little experience, don't let that put you off from applying. Our curriculum will bring you up to speed.

What should I include?
To help us, please please submit a 1-page statement in a straightforward, succinct, and easy-to-read format that includes no more than five (5) of the following:

- **Academic Courses** taken as part of your undergraduate degree, or at a community college, or an online institution:
  - mathematics, statistics, calculus, microeconomics, information technology, data science, physical or social science methodology, engineering, accounting, and finance courses.
  - For each course, please include (1) the course name (2) the school where the course was taken (3) semester/quarter and year the course was completed, (4) grade received, and (5) a short course description or summary of major concepts covered.

- **Professional Experience** – substantive work completed in a professional, internship, co-curricular, or volunteer setting, including a brief summary of any analytical skills acquired:
  - Use of data analysis software, data visualization tools, Excel, STATA, R, or any other programming languages/data analysis software
  - This may include regular work tasks and/or substantive projects completed.

MaCSS Quantitative Resume Sample

Courses/ Experience	Description
Educational Research Foundation San Francisco, CA Research Analyst June 2023- Present	Helped design several research projects to understand educational disparities amongst immigrant populations in the County of San Francisco. ● Data cleaning, using STATA and Excel ● Database management, cross-checking statistical analysis of administrative and survey data ● Design surveys using SurveyCTO and Qualtrics
Psychology and Economics University of California, Berkeley Grade: A Fall 2022	This course presents psychological and experimental economics research demonstrating departures from perfect rationality, self-interest, and other classical assumptions of economics and explores ways that these departures can be mathematically modeled and incorporated into mainstream positive and normative economics.
Statistics for Program Evaluation University of California, Berkeley Grade: A- Fall 2021	This course will focus on quantitative studies, with an emphasis on the econometric techniques used in experimental and non-experimental evaluations. We will also discuss the role of program evaluations in policy analysis and design and the limits to program evaluation as a tool for policy improvement. Examples will be drawn from real-life social policy interventions in domestic and international settings.
Introduction to Microeconomics Berkeley City College Grade: A- Summer 2020	An introductory course in microeconomic theories including maximization, benefit versus cost, rational choice, the analysis of demand and supply, the role of price in free markets, consumer behavior, market structure, production cost, competitive business models, and resource programs the nature of production, distribution, market outcomes, and the role of government in the market.
Calculus I University of California, Berkeley Grade: B+ Fall 2019	Included an introduction to the differential and integral calculus of elementary (algebraic, trigonometric, exponential and logarithmic) functions of a single real variable, the Fundamental Theorem of Calculus, and various applications. The central role of the limit concept is stressed throughout. Daily problem sets, weekly quizzes, and final writing project required.