

Teaching Statement

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Teaching Experience

I first started teaching statistics as an undergraduate in my university's free tutoring center on campus. I felt that taking on the task of tutoring other students was critical for me to both understand the challenges in teaching students and as a way to give back to a tutoring center that had been vital earlier in my undergraduate studies. This experience has proven valuable as a teaching assistant for an introductory statistics course during my doctoral studies, as well, and for my experience as an instructor in Princeton's AI4ALL artificial intelligence summer school for high school students. Particularly, I am excited to learn new pedagogical techniques and apply them in the classroom. I think having strong teaching fundamentals will only serve to benefit the students who will study and work under me in the future.

As a professor, I will undoubtedly have teaching responsibilities and I am aware of the importance of my duties as an educator. This is a great opportunity to expose students to the wide-ranging application of statistics. Moreover, it is an opportunity to promote the future benefits of learning advanced statistics in either their academic research or in the professional sphere. In this respect, the courses I am most excited to teach as a professor are introductory courses in statistics, although I would be happy to teach any course in applied statistics, machine learning or data science. I am personally excited to have the opportunity to develop pedagogical my ability and I see this as a major goal outside of my research duties.

Student Mentoring

During my post-doctoral position, I have also been fortunate to work closely with an undergraduate and a doctoral student on machine learning research. As a mentor, I am responsible for guiding and managing research projects for my students. So far, this experience of mentoring students has been very rewarding. I am starting to learn how to adapt each individual's reception to different management styles and the type of mentoring each person requires.

As a professor, I will carry this experience supervising other students' research projects as a future doctoral and post-doctoral advisors to my students. In order to carry out my intended research agenda, I will necessarily have to rely on supervising PhD students to help produce research. Although managing students can be very challenging, this aspect of teaching is the most rewarding to me and I look forward to advising my future students in my role as a professor.