

Service Statement

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Service plays a crucial role in both my professional and personal development, and I actively engage in various service activities that contribute to the betterment of my department, college, university, and professional discipline.

1 Service to the department

Within the department, I have been an active member of the statistics group, which underwent a rebuilding phase due to the departure of several faculty members. Participating in this growth process has been an invaluable experience for me. During the periods of Fall 2010 to Spring 2013 and Fall 2018 to Spring 2019, I served on the statistics hiring committee, playing a pivotal role in the recruitment of new faculty members each year. Additionally, I served on the applied math hiring committee from Fall 2017 to Spring 2018, contributing to the expansion of interdisciplinary expertise within the department.

In addition to my involvement in faculty hiring, I also contribute to the department by assisting in the admission process for graduate and undergraduate students. I offer guidance to many of these students regarding their course selections and provide support by writing numerous recommendation letters. Moreover, I have advised five Ph.D. students on their dissertations, one master's student on a thesis, and six students on various research projects. These mentoring experiences have been immensely fulfilling and have allowed me to contribute directly to the academic growth of aspiring scholars.

Furthermore, I actively participate in departmental committees and organizations. For several years, I have served on the department scheduling committee and colloquium committee, collaborating with colleagues to ensure effective planning and execution of departmental events. Additionally, since joining the department, I have been involved in the Statistics qualifying examination and comprehensive examination committees, playing a role in evaluating students' academic progress. Moreover, I have taken on the responsibility of organizing the statistics seminar, providing a platform for intellectual exchange and fostering a vibrant academic community within the department.

2 Service to the college and university

Since 2020, I have actively participated in service activities at both the college and university levels. Firstly, I have been a member of the *college retention committee*, where our primary responsibility is to review midterm promotion files for faculty within the college. As a committee member, I provide written assessments that play a crucial role in making recommendations and contribute significantly to the evaluation process for the Dean of the college. Through this role, I contribute to the retention and professional growth of faculty members.

Additionally, I have been an active member of the university *faculty senate library committee*. This committee focuses on addressing library-related issues at UNM, aiming to improve and enhance the library services and resources available to the faculty and students.

From Spring 2021 to Spring 2022, I had the honor of serving as the director of the Statistics Consulting Clinic. This clinic offers free statistical consulting services to all faculty, graduate students, and staff at UNM who require assistance with their research projects. As the director, I oversee the clinic's operations and supervise a senior graduate student who works closely with our clients. Together, we provide support and guidance on various statistical problems, including statistical analysis for dissertations and theses, problem formulation, experimental design, sample-size determination, modeling and methods, statistical software and programming, and output interpretation. The Statistics Consulting Clinic serves as an excellent platform to promote our department and provide essential statistical support to our academic community. Furthermore, it offers valuable consulting experience for the students involved, while also allowing me to gain insights into statistical challenges from diverse perspectives.

3 Professional service

Since Spring 2020, I have had the privilege of serving as an associate editor (AE) for two internationally recognized and high-quality statistical journals: *Journal of Statistical Computation and Simulation* (founded in 1972) and *Journal of Applied Statistics* (founded in 1974). As an AE, my responsibilities encompass critical tasks such as evaluating submissions to determine whether they should be rejected or sent for review, selecting suitable reviewers, and formulating editorial recommendations that incorporate the valuable input provided by the reviewers. Additionally, I actively engage in the recruitment of new reliable reviewers to foster the growth and development of the journal community. On occasion, I

also take on the role of a reviewer myself. Although serving as an AE demands a substantial amount of time, this responsibility is an essential aspect of my career progression. Not only does it significantly expand my professional network, but it also provides me with an insider's perspective on the best practices and pitfalls associated with scholarly publications. Furthermore, the extensive reading of papers in this role often sparks new questions and ideas, ultimately enhancing my productivity and effectiveness as a researcher.

I have served on the organizing committee for the American Mathematical Society 2021 Fall Western Sectional Meeting. As part of my involvement, I organized a special session dedicated to the recent advancements in statistical modeling and designs. This opportunity allowed me to contribute to the academic community by curating a focused session that promoted knowledge sharing and collaboration among researchers in the field. Notably, this event held special significance for the graduate students in our department as it took place at our university. Several senior graduate students had the opportunity to present their research work, further motivating and inspiring their peers. The session's success in fostering academic growth and providing a platform for showcasing cutting-edge research was truly rewarding.

In my commitment to academic rigor and scholarly contributions, I have diligently performed peer reviews for various esteemed journals, including *Machine Learning*, *Technometrics*, *Journal of Nonparametric Statistics*, *Statistics and Probability Letters*, *Journal of Statistical Computation and Simulation*, *Communications in Statistics-Simulation and Computation*, *Communications in Statistics-Theory and Methods*, *Journal of Applied Statistics*, *British Journal of Mathematics and Computer Science*, *Journal of Testing and Evaluation*, and *International Journal of Biostatistics*, among others. Furthermore, I actively contribute to the academic community as a member of the editorial boards for *Austin Statistics*, *Austin Mathematics*, *Journal of Mathematics and Statistics*, and *Journal of Probability and Statistics*.

4 Summary

In summary, my commitment to service has been an integral part of my personal and professional growth. Through my active engagement within the department, college, university, and the statistics community, I have been able to contribute to the development and success of these institutions. Whether it is through rebuilding the statistics group and maintaining its high standards, mentoring and advising students, organizing special sessions, or serving as an associate editor for esteemed journals, I have continuously strived to make a posi-

tive impact. Service has not only allowed me to give back to the academic community but has also provided me with invaluable experiences, expanded my professional network, and enhanced my research productivity. Moving forward, I remain dedicated to fostering collaboration, promoting excellence, and furthering the field of statistics through my continued service efforts.