Carnegie Mellon University  
Eberly Center for Teaching Excellence & Educational Innovation

The Eberly Center seeks an undergraduate or graduate work-study student specializing in data science. This position is part-time, hourly (8-15 hours per week), and does not include benefits or tuition support. This position will support the Eberly Center’s programs, services, educational research projects, and technology-enhanced learning initiatives that collect and analyze learning analytics and other data on student learning outcomes to inform the iterative improvement of CMU courses and academic programs.

The Data Science Research Assistant will collaborate with Eberly colleagues on a diverse portfolio of action-research projects representing a variety of disciplines and teaching contexts within CMU courses, academic programs, and initiatives. Specifically, this position will contribute to:

1. collecting, analyzing, and interpreting learning and assessment data, including (but not limited to) direct and indirect measures of student learning, attitudes, and engagement, and
2. reporting on learning analytics and assessment data to help formatively and iteratively improve academic programs, curricula, teaching and learning at CMU.

Job requirements:

- Education: completion of and high performance in advanced coursework in statistics, data science, or a similar discipline
- Skills: Applicants must be able to:
  - independently and rigorously apply quantitative and/or qualitative research methods and analysis tools;
  - demonstrate proficiency and fluency using statistical analysis software packages;
  - consistently demonstrate excellent organizational skills and attention to detail;
  - manage multiple projects and meet deadlines on tight schedules;
  - work collaboratively and effectively in settings of social and intellectual diversity;
  - communicate effectively, orally and in writing, especially regarding explaining statistical methods, results, and interpretations, to both laypersons and professionals fluent in statistics.

The Eberly Center’s Mission is to distill the research on learning for faculty and graduate students and collaborate with them to design and implement meaningful educational experiences. We believe that combining the science and art of teaching empowers our colleagues to create the conditions for students to learn and, through this learning, transform their world. We are a highly motivated, creative, productive, and collaborative group! For more information on the Eberly Center, visit [http://www.cmu.edu/teaching/](http://www.cmu.edu/teaching/)