

Applied Data Science in Education Position Announcement

Peabody College of Vanderbilt University seeks applicants for an open rank (tenured or tenure-track) position in Applied Data Science in Education. The successful applicant will have a research record that demonstrates an ability to apply the tools of data science to key problems in research on education and human development. These data science tools may include working with unstructured or high-dimensional data, computing, automation, natural language processing, machine learning, neuroimaging, and artificial intelligence. The committee seeks a diverse applicant pool and candidates from a wide variety of disciplinary backgrounds.

The committee is particularly interested in individuals who study student outcomes--such as learning, progression, and attainment--in a variety of domains including but not limited to: learning analytics, policy analysis, critical quantitative analysis, predictive analytics in education settings, or educational neuroscience (e.g. analysis of high-dimensional brain imaging data).

Candidates should possess an exemplary record of scholarly accomplishment commensurate with their rank. Applicants must have a demonstrated capacity to work collaboratively with colleagues and students from a wide range of cultural, disciplinary, and academic backgrounds. Evidence of excellent classroom instruction is required for consideration. The capacity to attract external funding is strongly preferred. Candidates should either have a Ph.D. or be expected to complete their Ph.D. by May 2022.

This position is part of a [two-position](#) hire spanning Peabody College and the DSI, and is also part of a broader multi-year faculty hiring initiative in the data sciences at Vanderbilt. Candidates will be core members of Vanderbilt's recently established [Data Science Institute](#) (DSI) and will be expected to contribute to the research and teaching mission of the institute, ideally fostering research collaborations with existing faculty across academic departments working on data science-related topics.

The candidate will also join one of [Peabody's five departments](#) and will be expected to teach undergraduate and graduate courses in their home department as part of their appointment. The position's responsibilities for the DSI entail teaching an annual data science methods course in either Vanderbilt's [master's program in Data Science](#) or Vanderbilt's newly created [undergraduate Data Science minor](#). All DSI methods courses are taught via a computational approach using R and/or Python. Teaching needs currently include a foundations of data science methods and/or a project-driven applications of data science methods course, both of which include foci on data manipulation, visualization, dimension reduction, machine learning, shrinkage, cross-validation, and re-sampling methods.

Candidates should submit a letter of application that describes how the candidate applies data science to education research; CV; teaching statement; statement that describes how the candidate's cultural, experiential, and/or academic background contributes to their understanding of diversity and inclusion; and three letters of recommendation. Review of applications will begin September 15, 2021, and the search will continue until the position is filled. The anticipated start date is August 2022. Please apply at the following link: <https://apply.interfolio.com/88030>.

Please direct questions to the search chairs Brent Evans (b.evans@vanderbilt.edu) and Will Doyle (w.doyle@vanderbilt.edu).

Vanderbilt University has made the safety of our students, faculty and staff, and our surrounding communities a top priority. As part of that commitment, the University recently announced that students, faculty, and staff, are required to be vaccinated against COVID. As a prospective and/or a new employee at Vanderbilt, you will be required to comply with the University's vaccination protocol. Effective, August 1, 2021, proof of full vaccination or an approved accommodation will be required before the start of employment in order to work at Vanderbilt University. Accommodations for medical and religious exemptions can be requested with the Equal, Opportunity and Access Office <https://www.vanderbilt.edu/eoa/>.