



**Department of Human Development and Family Studies**

College of Health and Human Development

The Pennsylvania State University

119 Health and Human Development

University Park, PA 16802-6505

<http://hhdev.psu.edu/hdfs>

(P) 814.863.8000

(F) 814.863.7963

**Open-Rank and Assistant Professor in Quantitative Methods in Behavioral Data Science**

**The Department of Human Development and Family Studies (HDFS) at The Pennsylvania State University invites applications for *two* faculty positions in Quantitative Methods in Behavioral Data Science. One position will be at the rank of Assistant Professor, and one will be open-rank.**

We seek candidates who are dedicated to our research mission and passionate about teaching in a world-class institution. We are especially interested in candidates developing data science methods to understand developmental and change processes; to inform substantive theories; to support causal inferences; or to improve the design and implementation of intervention or data collection. We welcome applications from individuals who are developing innovative methods and models for understanding and predicting longitudinal processes across multiple systems (e.g., behavior, physiology), multiple levels of analysis (e.g., individuals, families, institutions), and/or multiple timescales (e.g., minutes, days, years), such as latent variable modeling, network and graph theoretic models, dynamic or dynamical systems models, machine learning, categorical data analysis, item response theory, panel methods for constructing counterfactuals, or simulation-based approaches.

An earned doctorate in computational, quantitative behavioral or social sciences, statistics, or related fields, and the promise of outstanding scholarly accomplishments are required. Applicants should demonstrate a clear program of research, a strong publication record, and the potential to obtain external funding. Responsibilities include teaching undergraduate and graduate level courses as well as directing theses/dissertations. We also particularly welcome applicants interested in teaching advanced quantitative and computational classes at both the undergraduate and graduate level. Applicants should be interested in collaborating broadly with the substantive areas in the Department of Human Development and Family Studies, including Family Development; Individual Development during Childhood, Adolescence, Adulthood, and/or Aging; and Intervention and Prevention.

Our HDFS Department administers graduate, undergraduate, and research programs focused on individual development from infancy to old age, on family structure and dynamics, and on the impact of social/cultural contexts on development and family functioning. Our graduate program is rated by the U.S. News and World Report as one of the top developmental science graduate programs in the country. In addition, a recent survey rated our HDFS graduate program as the top-ranked graduate program in Human Development and Family Studies in North America. The Department's multidisciplinary faculty includes expertise in development across the life span, social-affective neuroscience, clinical and health psychology, prevention science, family process and intervention, demography, education, and methodology. A hallmark of the program's research and graduate training is its focus on development and application of innovative methods for the analysis of change over time. These activities are facilitated by multiple research units at Penn State: The Quantitative Developmental Systems Methodology Group (<http://quantdev.ssri.psu.edu>), the Social Science Research Institute

(<http://ssri.psu.edu/about>), the Methodology Center (<http://methodology.psu.edu/>), and the Institute for Computational and Data Sciences (<https://ics.psu.edu/about/ics-centers/>).

The Pennsylvania State University is committed to and accountable for advancing diversity, equity, and inclusion in all of its forms. We embrace individual uniqueness, foster a culture of inclusion that supports both broad and specific diversity initiatives, leverage the educational and institutional benefits of diversity, and engage all individuals to help them thrive. We value inclusion as a core strength and an essential element of our public service mission.

Review of applications and nominations will begin as early as March 23, 2020 and will continue to be accepted until the positions are filled. To apply, submit a letter of application, statements of research and teaching interests, a curriculum vitae, at least three letters of recommendation, and selected supporting material (e.g., reprints, preprints) to <https://psu.jobs/job/93987>. Please direct informal inquiries or questions to Dr. Nilam Ram at [nur5@psu.edu](mailto:nur5@psu.edu). Please indicate "Quantitative Methods in Behavioral Data Science Search" in the subject line of email correspondence. Employment will require successful completion of background check(s) in accordance with University policies. Penn State is committed to affirmative action, equal opportunity and the diversity of its workforce.

Job Number: 93987

Link to Job on Job Website: <https://psu.jobs/job/93987>

Job Title: Faculty Positions in Quantitative Methods in Behavioral Data Science

Department: Human Development and Family Studies

Sup Org: College of Health and Human Development

Campus Location: UP

Number of Jobs: 2

Announce Start Date: 03/03/2020

Closing End Date: 12/31/2099