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Opening for a Postdoctoral Scholar at UC Davis

We seek a postdoctoral scholar to collaborate in an ongoing study on “multi-study replication of the predictive value of intra-individual variability (IIV) on long-term changes in cognition, health and affect” led by Dr. Philippe Rast and based at the University of California, Davis. The study involves analyzing existing intensive longitudinal datasets using novel modeling techniques that allow rigorous testing of the relation among IIV, individual levels, and long term outcomes. Simulation studies are used to examine minimal and optimal data and design needs for IIV research and the sensitivity of outcomes to different statistical models and methods. The incumbent will work in Dr. Rast’s lab in the Quantitative Area of the Department of Psychology at UC Davis.

RESPONSIBILITIES: The postdoctoral scholar will primarily conduct simulation studies to investigate study design features that optimize statistical power, accuracy, and precision to estimate IIV. Simulation studies will be used to investigate the performance of different statistical methods to extract IIV from intensive measurement designs. The postdoctoral scholar will take the lead on writing and revising manuscripts, and present results locally and at conferences. The incumbent is encouraged to contribute and to link findings and methods from the simulation studies to substantive research areas regarding IIV in cognition, health and affect and collaborate with scholars at UC Davis and participating institutions.

QUALIFICATIONS: A PhD or equivalent degree in Quantitative Psychology, Statistics, or a closely related field is required by the start date. At the time of application, the basic required qualification is the completion of all degree requirements except the dissertation.

ADDITIONAL QUALIFICATIONS (required by start date): Experience with at least one of the following is required: Strong familiarity with Bayesian modeling techniques and related statistical software (preferably stan), experience with longitudinal data analysis. Ability to work independently and as part of a team; be self-motivated; have critical thinking abilities; demonstrated written/oral communication skills; and have a proven publication record.

SALARY and BENEFITS: The initial appointment is full-time for one year, with possibility of renewal. The salary range for this position is \$48,216.00 - \$52,140.00. Moreover, starting salary is commensurate with experience. The University of California offers a comprehensive benefits package for postdoctoral scholars. (<http://www.garnett-powers.com/postdoc/index.htm>)

This position is open until filled. Questions regarding this position and applications can be directed to Dr. Philippe Rast at prast@ucdavis.edu. Complete applications will include a cover letter, CV, and the names and contact information for one (1) to two (2) references.

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability age or protected veteran status. For the complete University of California nondiscrimination and affirmative action policy see: <http://policy.ucop.edu/doc/4000376/NondiscrimAffirmAct>