

**Postdoctoral Research Scholar  
Arizona State University, Department of Psychology**

The Department of Psychology at Arizona State University invites applications for a Postdoctoral Research Scholar to join the Quantitative Psychology area under the supervision of Dr. Daniel McNeish.

**Project Description**

The position is to work on a grant-funded project related to dynamic fit index (DFI) cutoffs for assessing model in fit latent variable models. Traditional fit index cutoffs (e.g., RMSEA < .06, CFI > .95) have been found to generalize poorly to models with different characteristics, so the goal of the project is to continue developing DFI cutoffs to provide researchers with accessible tools that produce customized cutoffs based on the user's fitted model.

The DFI method has been worked out for confirmatory factor analysis with continuous outcomes and the grant aims to extend the idea to a broader range of models and outcome types (e.g., categorical items, measurement invariance, non-normality, missing data). The Postdoctoral Research Scholar will take the lead on creating software for new methods, writing empirical research papers, and will contribute to research development extensions of the DFI cutoff idea to new domains. This will include expanding the scope of the dynamic R package (<https://cran.r-project.org/web/packages/dynamic/index.html>) and the offerings supported by the existing Shiny application ([www.dynamicfit.app](http://www.dynamicfit.app)).

**Logistic Details**

- The position is 12-months (fiscal year), full-time, benefits-eligible appointment with no tenure implications
- The position is 100% research
- The anticipated start date is August 2022
  - The start date is flexible up to January if necessary
- The position is anticipated to have funding for 22 months from the start date
- Expected salary is \$60,000 per year

**Qualifications**

- A Ph.D. earned by the start date in a quantitative area (quantitative psychology, quantitative methods, psychometrics, educational measurement, biostatistics, statistics) or a behavioral science area with a heavy quantitative or computational emphasis, and strong writing abilities.
- Experience working with R (including Monte Carlo simulation), particularly writing R packages. Experience with writing Shiny applications is preferred but not required at the time of application.

- Experience or interests in latent variable modeling, psychometrics, measurement modeling, structural equation modeling, and/or item response theory. Interests in methodological aspects of open science and replicability is a plus, but not required.

## **Application Instructions**

To apply, please submit the following as pdf(s) through Interfolio at <http://apply.interfolio.com/107638>:

- (1) Curriculum vitae
- (2) Statement of experiences and research interests (1-2 pages)
- (3) Statement addressing how your past and/or potential contributions to diversity and inclusion will advance ASU's commitment to inclusive excellence (1-2 pages)
- (4) Names and contact information of two references (letters are not necessary for the initial application).

Email and paper applications will not be accepted.

Inquiries concerning the search should be addressed to the Chair of the Search Committee: Dan McNeish at [dmcneish@asu.edu](mailto:dmcneish@asu.edu).

The initial deadline for receipt of complete applications is **June 27, 2022**. If not filled, review of complete applications will continue every week thereafter until the search is closed.

## **Arizona State University**

Arizona State University is located in the Phoenix/Scottsdale metropolitan area and offers all of the amenities of a large urban area while maintaining a reasonable cost of living. Learn more about the Department of Psychology by viewing <https://psychology.asu.edu/> and about what The College of Liberal Arts and Sciences has to offer by viewing <https://thecollege.asu.edu/faculty>.

The College values our cultural and intellectual diversity, and continually strives to foster a welcoming and inclusive environment. We are especially interested in applicants who can strengthen the diversity of the academic community.

A background check is required for employment. Arizona State University is a VEVRAA Federal Contractor and an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sexual orientation, gender identity, sex, national origin, disability, protected veteran status, or any other basis protected by law.

(See <https://www.asu.edu/aad/manuals/acd/acd401.html> and <https://www.asu.edu/titleIX/>)

In compliance with federal law, ASU prepares an annual report on campus security and fire safety programs and resources. ASU's Annual Security and Fire Safety Report is available

online at <https://www.asu.edu/police/PDFs/ASU-Clery-Report.pdf> You may request a hard copy of the report by contacting the ASU Police Department at 480-965-3456.

**COVID-19 Vaccination** - Arizona State University is a federal contractor and subject to federal regulations which may require you to produce a record of a COVID-19 vaccination. For questions about medical or religious accommodations, please [visit the Office of Diversity, Equity and Inclusion's webpage](#)