

Indiana University - Post-Doc Regional Economic Development (a.k.a. ECONOMIC RESEARCH ANALYST)

Job Summary:

The incumbent will conduct analyses of across several dimensions of regional economies, for example, workforce, education and industry growth.

This short-term position is funded by an award from the U.S. Economic Development Administration. The applied researcher conducts applied quantitative research expressly related to project deliverables:

- Measuring and analyzing the effects of a super-shock like COVID-19, the recovery and structural transformation.
- Developing measures of economic injury and recovery that are timely, relevant and amenable to incorporating into regional economic dashboards.
- Researching industry diversification and resiliency strategies that address income inequality as well as employment growth.
- Developing predictive models for estimating the effects of different types of economic shocks.
- Incorporating industry network analysis into comprehensive regional development strategies.

Other duties as assigned will include, forecasting economic growth, employment, job skills, occupations, incomes, tax revenues, and similar variables for the state, counties and sub-county areas as needed. Collaborate with state agencies to produce county employment estimates and education and workforce analysis. Conceptualize and extract complete yet parsimonious datasets from extremely large datasets in order to conduct statistical analysis on short timeframes. Advise stakeholders and various government agencies in generating workforce research topics. Research the education and training requirements of occupations in order to assess the educational program needs for the workforce of the future and estimate the amount of time and resources required to transition from one occupation to another. Analyze national, state and regional trends in demographic and economic indicators. Adapt or develop analytical approaches as needed to provide insight into important trends for the state and sub-state regions. Statistical analysis, including analysis of variance, multiple and logistic regression, cluster analysis, stratified sampling, fixed effects regression, discontinuity design regression, principal component regression, and other statistical techniques. Present conclusions and implications of analyses clearly in written and oral formats. Write insightful articles and reports in non-academic style for a general business audience based on IBRC analysis. Collaborate effectively and efficiently with IBRC staff and others in the design and implementation of large projects involving economic, workforce and demographic data and analysis. Direct graduate student assistants (GAs) conducting statistical analysis, collecting and verifying data, creating graphs and other visualizations.

Qualifications:

Required: Bachelor's degree in economics, demography, geography, business, public planning or a related field and three years of experience in a research or planning capacity analyzing data to support decision makers. Master's degree in a related field may be substituted for experience.

The ability to apply economic principles to solve complex problems. Demonstrated proficiency in statistics and analysis, coupled with the ability to extract useful insights from large and complex datasets. Deep experience with at least one of the following statistical software packages: SAS, SPSS, or STATA. Advanced skills in Excel and other Microsoft Office software. Demonstrated ability to analyze, interpret and present economic and/or demographic data.

Preferred: PhD degree. Advanced economic theory. Demonstrated proficiency in analyzing, interpreting and presenting economic and/or demographic data. Experience with GIS, SQL and Visual Basic. Programming savvy in R. Proficiency with ACCESS and other database packages.

Note: Funded by Economic Development Administration (EDA), this position will not exceed the project end date of June 30, 2021. Remote work is acceptable.

The Kelley School of Business, one of the nation's premier business schools, operates on Indiana University campuses in Bloomington and Indianapolis. Founded in 1925, the Indiana Business Research Center is the state's leading provider of economic and demographic data and analysis. The center has won numerous awards for its informative [publications](#) and [websites](#). More information about the IBRC may be found at www.ibrc.indiana.edu.

This is a full-time, professional staff position, eligible for a wide assortment of employee benefits.

Application materials should be submitted via Indiana University's online application site, <https://jobs.iu.edu/>. Applications will be accepted until the position is filled. For more information, please also contact the IBRC (ibrc@iu.edu) at with "Economic Research, short-tem" in the subject heading.