Postdoctoral Associate – Data Science

Duke University is seeking a successful postdoctoral associate in the Department of Biostatistics and Bioinformatics (www.biostat.duke.edu). Duke University is regularly ranked among the top research institutions in the US and worldwide. It is located in Durham, North Carolina.

The overall goal of the project is to develop, analyze, and model EHR and related clinical data. Presently, one major project involves building and validating predictive signatures for patients based on diagnosis, billing codes and lab codes. We plan to extend existing approaches to incorporate temporal information using a graph-based representation and build predictive models using methods that are conducive to working with time series data, including recurrent neural networks. The Duke EHR will provide much of the data for this project. There will be collaborative and methodologic opportunities throughout the anticipated two-year post-doc appointment, which is dependent upon continuation of funding and performance.

Candidates must have a PhD in a quantitative science, including biomedical informatics, bioinformatics, biostatistics, or related field. Required skills in computer programming, R, knowledge of machine learning, natural language processing, and predictive modeling is desired, but not required. Being able to work as part of a team as well as independently are important skills. Excellent verbal and written communication skills are expected.


If interested in this position, please apply online on the Duke HR website using the following link:

Consideration of applications will begin immediately, and will continue until the position is filled.

Duke University is an Affirmative Action/Equal Opportunity Employer committed to providing employment opportunity without regard to an individual’s age, color, disability, gender, gender expression, gender identity, genetic information, national origin, race, religion, sex, sexual orientation, or veteran status. Duke also makes good faith efforts to recruit, hire, and promote qualified women, minorities, individuals with disabilities, and veterans.