Fulbright Lectureship Grant to researchers with research interests in Big Data.

Application deadline: September 16th, 2019

All the information and application details are available at the following link: https://awards.cies.org/content/fulbright-lectureship-department-statistical-sciences-university-bologna

GRANT ACTIVITY
The Lectureship refers to the field of statistical methods for the analysis of Big Data. In more detail, it could include the themes of methodological statistics related to the analysis of Big Data, such as supervised and unsupervised statistical learning in the multivariate context, machine learning techniques (neural networks and decision trees), penalized estimation methods for variable selection, dependence modelling and in general all the recent developments in statistical methodology that are aimed at addressing the challenges posed by Big Data. These topics could also be addressed from an applied perspective; preferred application areas would be business analytics or omics data or text data or social network analysis.

The scholar will be expected to teach:

1. A 30- hours course included in the Master programme "Statistical Science" and will deal with statistical methods and models for the analysis of Big Data and related applications. The course is offered at the University Campus of Bologna. Teaching load: 6 hours per week

2. A 10-hours course within the PhD Program among the mandatory courses offered to the PhD students of the PhD programme in Statistics. It will deal with advanced statistical models and methods for the analysis of Big Data. The course will be offered at the University Campus of Bologna. Teatching load: 10 hours (one week) for a total of 40 hours.

The scholar is expected to submit a syllabus for each course.

Additional grant activity: The Lecturer is expected to advise PhD students on the main challenges posed to statistics by the availability Big Data and on possible approaches to face them, both according to a theoretical and applied perspective.

Curriculum Development: The Lecturer will be involved in the periodical evaluation sessions of the teaching programs involving academic staff in order to assess the interest of the proposed program at the international level.

In addition to being a prestigious academic exchange program, the Fulbright Program is designed to expand and strengthen relationships between the people of the United States and citizens of other nations and to promote international understanding and cooperation. To support this mission, Fulbright Scholars will be asked to give public talks, mentor students, and otherwise engage with the host community, in addition to their primary activities.

GRANT LENGTH
Three to six months

GRANT DATES
February 2021.

LOCATIONS
University of Bologna, Department of Statistical Sciences