



Insurance Risk and
Finance Research Centre
Nanyang Business School

INSURANCE RISK AND FINANCE RESEARCH CENTRE (IRFRC)

NANYANG BUSINESS SCHOOL, NANYANG TECHNOLOGICAL UNIVERSITY, SINGAPORE

ROLE: Senior Research Fellow

PROFILE: Full-time employee

START DATE: July 2018

DURATION: 2-years appointment

LOCATION: Singapore

NTU's Insurance Risk and Finance Research Centre (IFRRC) is looking for a Senior Research Fellow to work in actuarial modelling for longevity risk (including long-term care, critical illness insurance). The candidate will perform theoretical and empirical research of critical illness incidence rates for major critical illnesses (e.g., cancer, heart attacks, stroke, Parkinson's disease and kidney failure), and analyze the cost drivers for long-term care insurance, considering deterioration or improvement trends, the effect of lifestyles such as diets and smoking habits, and the impact of additional information such as wearables and medical exams. The candidate will report to the Director of IRFRC.

ROLE

- You will be expected to bring subject matter expertise and management skills to lead IRFRC's research efforts in longevity, long term care and/or critical illness risks.
- You will be expected to supervise students in performing data analysts.
- You will be responsible for the data acquisition, analytics and writing research report.
- You will be expected to work closely with SCOR Global Life team, and liaise with government agencies at and other industry organizations at an expert and management level.

REQUIREMENTS

- Minimum five years' work/research experience in mortality and morbidity risks, including longevity risk and/or long term care.
- Proficiency with recent longevity and mortality modeling techniques, as well as Markov and Semi-Markov modeling applied to morbidity risks
- Experience in working with building and maintaining a large database.
- Proficient in Microsoft Office, data management and statistical softwares (R and/or SAS).

QUALIFICATIONS

- Graduate degree (PhD preferred) in mathematics, statistics, actuarial science, computer engineering, or related field. Technical profiles with a specialty in epidemiology or social economics/econometrics are also welcome.
- Comfortable working in a multidisciplinary environment with public and private partners
- Languages: English – fluently spoken and professional level writing.

Background: The Insurance Risk and Finance Research Centre (IRFRC), which is part of Nanyang Business School, sponsors and directs primary research on insurance and insurance related risk research in the Asia Pacific. Through research, industry collaborations and seminars it aims to provide a critical foundation to create knowledge and support the growing role of the insurance industry in the economic development of the region. Founded in March 2011, in partnership with global reinsurer SCOR, the Centre draws on the expertise of the School's Banking and Finance faculty as well as SCOR's global research network.

To apply, please send your CV to nbshr@ntu.edu.sg with the indication of the advertisement ID (JOB-2018-0051352) in the subject.

We regret that only shortlisted candidates will be notified