

## UNSW Business School

# Building a tax-benefit microsimulation model for China

### Project Code: CEPAR1

#### Project title

Building a tax-benefit microsimulation model for China

#### Supervisor

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#### Project summary

Microsimulation models allow the estimation of distributional and fiscal effects of policies such as pensions, taxes, health care and long term care. They do this by combining household data, which allows the identification of different socioeconomic and demographic characteristics, with policy parameters that describe the eligibility and entitlement of different types of public programs. This project will construct such a model for China, one of the most rapidly ageing economies in the world, to estimate near-future fiscal and service outcomes under alternative policy scenarios regarding tax and age-related policies. It will be used to inform policy advice to international organisations such as the UN and World Bank, and through them, the Chinese Government. It is an excellent opportunity for anyone interested in the applied analysis of policies that can affect many millions of people.

#### Role of the scholarship holder(s) in the project

Initial scoping of Microsimulation Models presented in the literature  
 Data assembly and analysis  
 Preliminary programming

### Required knowledge, skills and/or training

Appreciation of how tax and public benefit policies are applied Experience in Excel Quantitative aptitude
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### Preference

Economics and/or Actuarial Studies majors are preferred Experience in analysing household survey data Coding experience, preferably in SAS, or willingness to learn Ability to understand Chinese language
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### Work period

The work period may be broken into two parts as students will not be expected to work during the UNSW shutdown over Christmas/New Year.

Total work weeks: 8 weeks	December – January 8 weeks
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### How to Apply

Apply on the Scholarships website [here](#), using the scholarship code **UGVC1053**.

You will need:

- An electronic copy of your CV
- An electronic copy of your academic transcript
- The project codes and titles of up to three projects you'd be interested in getting involved in

The deadline for submissions is 4<sup>th</sup> October 2017.