Regional Economics Application Laboratory

( China REAL )

Nankai University, China
1. Main Objectives

We aspire to become a

- Famous institution in the innovation of China’s regional policy theories
- Leading think tank on China’s regional policies
- Highly internationalized exchange platform for Regional Economics
- Base for talents cultivation on Regional Economics

Functions

Design ➔ Predict ➔ Simulate ➔ Assess
2. Main features

**International frontier**
- REAL UIUC's strategic partner
  - Big Data platform

**Interdisciplinarity**
- Economy, Management, Big Data, Operation Research

**Technical Support**
- Pre and post policy impact evaluation
  - Simulation

**High starting point**
- Platform for International cooperation
  - Government Think Tank
3. Regional Policy Database

- **Our web portal** (http://chinareal.nankai.edu.cn/) is available online.

- **Research Frontiers:**
  - 300 articles (domestic publications)
  - 1000 articles (international publications)

- **Policy Overview:**
  - Six different categories.
  - More than 2800 articles (published in the last 20 years).

- **Research Team and Research Outputs:** Marketing and Publicity

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The most authoritative database on China's regional policy research

http://www.nku-chinareal.com/ is online.

- **Core functions:** design, predict, simulate and assess
- **Data assets:** statistical data, Big Data
- **Data analysis:** modular (in continuous update)
  - Spatial distribution of industries
  - Innovation networks and knowledge spillovers
  - Traffic development and Urban Economy
  - Regional industry linkage

Cloud-based laboratory platform for Regional Economy
Urban Big Data

• **Microdata overview:**
  - Data from 85 major cities in China
  - 12 major categories, 100 indicators

• **Microdata categories:**
  - corporate information
  - land prices
  - educational institutions
  - land prices
  - urban planning
  - public transport
  - projects under construction
  - public facilities
  - leisure and entertainment
  - wage and employment
  - housing supply
  - government agencies
  - transportation (travel behavior)
  - environmental conditions.

• Data collected in October 2017 (updated every six months).

• The combination of Microdata with Macro Statistics constitutes the core of our information system.
Cloud Computing Platform

• **Functions:**
  - Data Query
  - Data Visualization
  - Machine Learning Algorithms
  - Statistical Models
  - Econometric Models
  - Policy Consultation
  - Academic Research

• Users can develop analytical tools to evaluate and simulate regional policies.
5. Our Team: Full-Time Faculty

**Liu Binglian, PhD**

Professor  
**Research Expertise:** Regional Industry Analysis, Regional Policy and Planning

**Bai Xuejie, PhD**

Professor  
**Research Expertise:** Industrial Economics, Industrial Efficiency Analysis
5. Our Team: Full-Time Faculty

Li Lanbing, PhD
Professor
Research Expertise: Regional Economic Development and Policy; Regional Industrial Analysis and Planning; Regional Economic Growth Efficiency

Wang Yan, PhD
Professor
Research Expertise: Regional Economic Analysis, Regional Industrial Analysis
5. Our Team: Full-Time Faculty

**Du Chuanzhong, PhD**

Professor  
**Research Expertise:** Industrial Economics, Government Regulation and Antitrust

**Pang Ruizhi, PhD**

Professor  
**Research Expertise:** Regional Industry Analysis, Industrial Organization, Industrial Efficiency
5. Our Team: Full-Time Faculty

**Zhou Mi, PhD**
Associate Professor
Research Expertise: Regional Economics, Regional Innovation System

**Wang Jiating, PhD**
Associate Professor
Research Expertise: Regional Economics, Land and Real Estate Economics, Regional Education Development
5. Our Team: Full-Time Faculty

Guo Qi, PhD
Assistant Professor
Research Expertise: Regional Economic Development, Industrial Localization Geography, Industrial Linkage

Zhou Yulong, PhD
Assistant Professor
Research Expertise: Regional Policy Evaluation, Urban Economic Development and Poverty Alleviation
5. Our Team: Part-Time Faculty

Hao Shouyi, PhD
Professor
Research Expertise: Regional Economics

Yan Jia, PhD
Professor
Research Expertise: Regional Development and Policy, Regional Transport, Applied Econometrics
5. Our Team: Part-Time Faculty

Geoffrey J.D. Hewings, PhD

Professor
Research Expertise: Urban and Regional Analysis, Inter-Regional Economic Systems

Feniosky A. Peña-Mora, Sc.D.

Professor
Research Expertise: Sustainable Urbanization
5. Our Team: Part-Time Faculty

Hong Junjie, PhD
Professor
Research Expertise: Regional Industry Cluster, International Trade and Regional Integration

Huang Jiuli, PhD
Professor
Research Expertise: World Economy, Regional Integration
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