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# Lin, Ji-Ping

Ji-Ping Lin(林季平)

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jplin@sinica.edu.tw

#### Verified email domains

 sinica.edu.tw

### Websites & social links

[Personal web on ResearchGate](#)[TIPD : Taiwan Indigenous Peoples Open Research Data 台灣原住民基礎開放研究資料庫](#)[TPDD : Taiwan Indigenous Peoples Population Dynamics open Data 台灣原住民族人口動態開放資料](#)[TICD : Taiwan Indigenous Communities Open Data 台灣原住民族部落開放資料庫](#)[iqTICD : Integrated Query System of Taiwan Indigenous Community Open Data 台灣原住民族部落開放資料庫綜合查詢系統](#)[Help](#)

[TIHV : Taiwan Indigenous People's High-resolution Visualization of Population Distribution, Migration Dynamics, Traditional Communities by Ethnic Groups 當代台灣原住民高解析度視覺化圖形資料庫：人口分布、遷徙、傳統部落](#)

[台灣原住民族部落開放資料庫綜合查詢系統\(TICD: Taiwan Indigenous Communities Open Data\)](#)

[TIPs Migration Dynamics\(台灣原住民各族群遷徙動態\)](#)

[High-resolution Visualitization on TIPs' Population Distribution, Migration, Traditional Communities當代台灣原住民高解析度視覺化圖形資料庫：人口分布、遷徙、傳統部落](#)

[TIMD : Taiwan Indigenous Peoples Migration Dynamics 台灣原住民各族群遷徙動態](#)

[Migration dynamics of hard-to-reach population in the context of regional inequality: Longitudinal research in Taiwan](#)

[TMdT: Taiwan Indigenous Peoples' Multidimensional Table Data 台灣原住民族多維表資料庫](#)

[TIHD: Taiwan Indigenous Peoples Household Structure Open Data 台灣原住民族家戶結構基礎開放資料庫](#)

[TICT: Taiwan Indigenous Peoples' Contingency Tables 台灣原住民族基礎列聯表](#)

[COS\(Center for Open Science\) interview: "A Conversation About Research on Taiwan Indigenous Peoples and Making a Hard-to-Reach Population Visible"](#)

## Keywords



migration, labor migration, migration dynamics, population, population dynamics, TIPD, Big Data, data science, scientific computing, statistical computing, high performanc computing, record linkage, Open Data, open science, FAIR, reproducibility, genealogy, ethnicity, ethnic relationships, hard-to-reach population, Taiwan indigenous peoples, indigenous traditional communities, TICD (Taiwan Indigenous Peoples Communities Open Data), TIPD (Taiwan Indigenous Peoples Open Data), TIPS (Taiwan Indigenous Peoples), digital infrastructure, data engineering, data repository, data sharing, data processing, data enrichment, internal migration, international migration, migration impacts, in-migration, out-migration, immigration, emigration, migration policy, population policy, micro-to-macro link, numerical optimization, migration and development

## Countries



Taiwan

## Biography

I received B.Sc. in Geography from National Taiwan University (Taiwan) in 1988, M.Sc. in Statistics from National Central University (Taiwan) in 1990, and Ph.D. in Geography in 1998 from McMaster University (Ontario, Canada). My main research specialty and interests include migration and population studies, labor study, survey study, scientific & statistical computing, big & open data, data science & data engineering, and open science. I am working at Academia Sinica, Taiwan. I ever worked in Taiwan's Bureau of Statistics & Census as research scientist, with abundant real-world experiences in processing, integrating, and enriching various sources of large-scale raw data, as well as in survey planning, sampling design, and conducting surveys. I have been serving as consultant

for a number of Taiwan’s central government agencies. Since 2013, I devotes myself to the research on hard-to-reach population (HRP) and Taiwan Indigenous Peoples (TIPs). Based on the fundamentals of computational social science, data science and open science, I have been building a number of big open data and smart data that help overcome long-term research data shortages of contemporary Taiwan Indigenous Peoples and ethical issue. regarding hard-to-reach population.

Activities


Collapse all

▼ Employment (4)

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Academia Sinica: Taipei, TW

2004-08-01 to present | Associate Research Fellow (CEPAS) Employment

Source:  Lin, Ji-Ping


National Chung Cheng University: Minxiong, TW

2000-08-01 to 2004-07-31 | Assistant/Associate Professor (Institute of Labor Studies) Employment

Source:  Lin, Ji-Ping


Academia Sinica: Taipei, TW

1998-09-01 to 2000-07-31 | Postdoc (Institute of Economics) Employment

Source:  Lin, Ji-Ping

Bureau of Statistics and Census, DGBAS: Taipei, TW

1990-08-01 to 1994-07-31 | Research Scientist Employment

Source:  Lin, Ji-Ping

▼ Education and qualifications (3)

≡ Sort

**McMaster University: Hamilton, CA**

1994-09-01 to 1998-07-31 | Ph.D. (School of Geography and Geology)  
Education

[Show more detail](#)

Source:  Lin, Ji-Ping

**National Central University: Taoyuan City, TW**

1988-09-01 to 1990-07-31 | M.Sc. (Institute of Statistics )  
Education

[Show more detail](#)

Source:  Lin, Ji-Ping

**National Taiwan University: Taipei, Taipei, TW**

1984-09-01 to 1988-07-31 | B.Sc. (Department of Geography )  
Education

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Source:  Lin, Ji-Ping

▼ Works (50 of 423)

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Page 1 of 9



**How Digital and Computational Demography Make Hard-to-reach Population Visible: Evidence from a Two-decade Research on the Population of Taiwan Indigenous Peoples**

The 30th International Population Conference, IUSSP  
2025-07-17 | Conference paper  
CONTRIBUTORS: Lin, Ji-Ping

[Show more detail](#)

Source:  Lin, Ji-Ping

**How Computational Demography Helps Revitalizing Hard-to-reach Population: Evidence from Taiwan Indigenous Peoples**

2025 New Zealand Population Conference  
2025-07-10 | Conference paper  
CONTRIBUTORS: Lin, Ji-Ping

[Show more detail](#)

Source:  Lin, Ji-Ping

### **How Scientific Computing, Spatial Data Science, Open Science, and Open Data Help Revitalizing Hard-to-reach Population: Evidence from a Decade Research on Taiwan Indigenous Peoples**

The 33rd Annual GIS Research UK Conference  
2025-04-24 | Conference poster  
CONTRIBUTORS: Lin, Ji-Ping

[Show more detail](#)

Source:  Lin, Ji-Ping

### **Making Hard-to-Reach Population Visible and Approachable: How Scientific Computing, Data Science, and Open Science Help Revitalize Taiwan Indigenous Peoples**

Conference on New Data and Directions in the Study of Migration, Faculty of Social Sciences, The University OF Hong Kong  
2025-02-28 | Conference presentation  
CONTRIBUTORS: Lin, Ji-Ping

[Show more detail](#)

Source:  Lin, Ji-Ping

### **Migration dynamics of hard-to-reach population in the context of regional disparities based on longitudinally linked register in Taiwan**

Springer Nature Social Sciences  
2025-02-12 | Journal article  
CONTRIBUTORS: Lin, Ji-Ping

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Source:  Lin, Ji-Ping

### **Migration dynamics of hard-to-reach population in the context of regional disparities based on longitudinally linked register in Taiwan**

SN Social Sciences  
2025-02-12 | Journal article  
DOI: [10.1007/s43545-025-01049-1](https://doi.org/10.1007/s43545-025-01049-1)  
CONTRIBUTORS: Ji-Ping Lin; Ming-Cheng Lee; Chun-Yen Kuo; Hsin-Chung Wang; Chien-Chia Liu; Chin-Ying Lai

[Show more detail](#)

Source:  Crossref

**Making Hard-to-reach Population Visible and Approachable: How Scientific Computing, Data Science, and Open Science Help Revitalize Taiwan Indigenous Peoples**

2024 Historical Demography in Asian Societies, Institute of Ethnology, Taipei: [Show more detail](#)  
Academic Sinica  
2024-11-17 | Conference presentation  
CONTRIBUTORS: Lin, Ji-Ping

Source:  Lin, Ji-Ping

**計算科學及開放科學在族群研究的重要性及影響**

陽明交大客家文化學院二十周年學術研討會，新竹：陽明交大客家文化學院 [Show more detail](#)  
2024-11-08 | Conference presentation  
CONTRIBUTORS: Lin, Ji-Ping

Source:  Lin, Ji-Ping

**How digital technologies empower the marginalized population and promote sustainable developments in Taiwan: The case of Taiwan Indigenous Peoples**

Digital Technologies and Sustainable Development Workshop [Show more detail](#)  
2024-09-30 | Conference paper  
CONTRIBUTORS: Lin, Ji-Ping

Source:  Lin, Ji-Ping

**當代台灣原住民系統所屬的初探研究**

臺灣人類學與民族學學會2024年會，台東：台東大學 [Show more detail](#)  
2024-09-28 | Conference output  
CONTRIBUTORS: Lin, Ji-Ping

Source:  Lin, Ji-Ping

**Unraveling Migration Dynamics of Hard-to-reach Population: A Research Based on Population Dynamics Data of Taiwan Indigenous Peoples**

35th International Geographical Congress (IGC), Dublin [Show more detail](#)

2024-08-26 | Conference paper  
CONTRIBUTORS: Lin, Ji-Ping

Source:  Lin, Ji-Ping

**Unraveling Migration Dynamics of Hard-to-reach Population: A Research Based on Population Dynamics Data of Taiwan Indigenous Peoples**

35th International Geographical Congress (IGC)2024  
2024-08-23 | Conference paper  
CONTRIBUTORS: Lin, Ji-Ping

[Show more detail](#)

Source:  Lin, Ji-Ping

**原住民系統所屬架構下的疾病傳播路徑及遷徙流動方向**

臺灣醫療人類學學會2024年會《邊界與移動：關注生命的方法》  
2024-06-29 | Conference paper  
CONTRIBUTORS: Lin, Ji-Ping

[Show more detail](#)

Source:  Lin, Ji-Ping

**TIHV : Taiwan Indigenous People’s High-Resolution Visualization of Population Distribution, Migration Dynamics, Traditional Communities by Ethnic Groups 當代台灣原住民高解析度視覺化圖形資料庫：人口分布、遷徙、傳統部落**

2024-05-08 | Dataset  
CONTRIBUTORS: Lin, Ji-Ping

[Show more detail](#)

Source:  Lin, Ji-Ping






**TIPD: Taiwan Indigenous Peoples Open Research Data 台灣原住民基礎開放研究資料庫**

2024-05-08 | Dataset  
CONTRIBUTORS: Lin, Ji-Ping; Ming-Cheng Lee; Hiu Ha Chong; Li-Chuan Liu; Kui Kasirisir; Hsin-Chung Wang

[Show more detail](#)

Source:  Lin, Ji-Ping

**iqTICD: Integrated Query System of Taiwan Indigenous Community Open Data 台灣原住民族部落開放資料庫綜合查詢系統**

2024-05-07   Dataset CONTRIBUTORS: Lin, Ji-Ping	<a href="#">Show more detail</a>
Source:  Lin, Ji-Ping	
TICD: Taiwan Indigenous Communities Open Data 台灣原住民族部落開放資料庫	
2024-05-07   Dataset CONTRIBUTORS: Lin, Ji-Ping	<a href="#">Show more detail</a>
Source:  Lin, Ji-Ping	
TICT: Taiwan Indigenous Peoples' Contingency Tables 台灣原住民族基礎列聯表	
2024-05-07   Dataset CONTRIBUTORS: Lin, Ji-Ping	<a href="#">Show more detail</a>
Source:  Lin, Ji-Ping	
TIHD: Taiwan Indigenous Peoples Household Structure Open Data 台灣原住民族家戶結構基礎開放資料庫	
2024-05-07   Dataset CONTRIBUTORS: Lin, Ji-Ping	<a href="#">Show more detail</a>
Source:  Lin, Ji-Ping	
TIMD : Taiwan Indigenous Peoples Migration Dynamics 台灣原住民各族群遷徙動態	
2024-05-07   Dataset CONTRIBUTORS: Lin, Ji-Ping	<a href="#">Show more detail</a>
Source:  Lin, Ji-Ping	
TMDT: Taiwan Indigenous Peoples' Multidimensional Table Data 台灣原住民族多維表資料庫	
2024-05-07   Dataset CONTRIBUTORS: Lin, Ji-Ping	<a href="#">Show more detail</a>



Source:  Lin, Ji-Ping

### **TPDD: Taiwan Indigenous Peoples Population Dynamics Open Data 台灣原住民族人口動態開放資料**

2024-05-07 | Dataset

[Show more detail](#)

CONTRIBUTORS: Lin, Ji-Ping

Source:  Lin, Ji-Ping

### **Open Data and Open Science as Effective Ways to Revive Hard-to-reach Population: A Decade Research Applies to Taiwan Indigenous Peoples**

International Symposium on Grids & Clouds (ISGC) 2024

[Show more detail](#)

2024-03-28 | Conference paper

CONTRIBUTORS: Lin, Ji-Ping

Source:  Lin, Ji-Ping

### **Open Data and Open Science as Effective Ways to Revive Hard-to-reach Population: A Decade Research Applies to Taiwan Indigenous Peoples**

International Symposium on Grids & Clouds (ISGC) 2024

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2024-03-25 | Conference paper

CONTRIBUTORS: Lin, Ji-Ping

Source:  Lin, Ji-Ping

### **Why Data Science and Open Science Are Key to Build Smart Big Data: An Example Based on a Decade Research on Hard-to-Reach Population in Taiwan**

workshop in General Online Research 2024 (GOR24)

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2024-02-21 | Conference paper

CONTRIBUTORS: Lin, Ji-Ping

Source:  Lin, Ji-Ping

### **Usefulness of the Mainstream Market Value in Studying the Educational Attainments of Immigrant Stocks: A Case Study of Seven Asian Immigrant Stocks in the United States**

人口學刊

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2023 | Journal article

CONTRIBUTORS: Lin, Ji-Ping; Kao-Lee Liaw; Chien-Chia Liu

Source:  Lin, Ji-Ping

### Taiwan Indigenous Communities Open Data (TICD) as Effective Gateway to Access Hard-to-reach Population

2023 Pacific Neighborhood Consortium (PNC23)  
2023-11-03 | Conference paper  
CONTRIBUTORS: Lin, Ji-Ping

[Show more detail](#)

Source:  Lin, Ji-Ping

### 疫情下部落文化照顧回應高齡者身心需求

護理雜誌  
2022 | Journal article  
CONTRIBUTORS: Lin, Ji-Ping; 郭俊巖; 賴秦瑩

[Show more detail](#)

Source:  Lin, Ji-Ping

### Lifetime Migration Trajectory and Life Histories of the Hard-to-Reach Population: A Preliminary Study Based on Contemporary Taiwan Indigenous Peoples

11th International Conference on Population Geographies  
2022-08-25 | Conference paper  
CONTRIBUTORS: Lin, Ji-Ping

[Show more detail](#)

Source:  Lin, Ji-Ping

### Fundamental Monthly Statistics on Contemporary Taiwan Indigenous Peoples, February, April, June, August, October, December, 2020

RCHSS, ACADEMIA SINICA  
2021 | Report  
CONTRIBUTORS: Lin, Ji-Ping; commissioned by Council of Indigenous Peoples

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Source:  Lin, Ji-Ping

### Fundamental Monthly Statistics on Contemporary Taiwan Indigenous Peoples: March 2013

Taipei: RCHSS, Academia Sinica

2021 | Report

CONTRIBUTORS: Lin, Ji-Ping; commissioned by Council of Indigenous Peoples

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**Source:**  Lin, Ji-Ping

## 2019臺灣的語言接觸及語言轉移

南島起源：南島語言復振論壇

2021 | Book chapter

CONTRIBUTORS: Lin, Ji-Ping; 李壬癸; 章英華; 劉彩秀

[Show more detail](#)

**Source:**  Lin, Ji-Ping

## Computational Archives of Population Dynamics and Migration Networks as a Gateway to Get Deep Insights into Hard-to-Reach Populations: Research on Taiwan Indigenous Peoples

Proceedings of 2021 IEEE International Conference on Big Data

2021 | Book chapter

CONTRIBUTORS: Lin, Ji-Ping

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**Source:**  Lin, Ji-Ping

## Fundamental Monthly Statistics on Contemporary Taiwan Indigenous Peoples, February, April, June, August, October, December, 2014

RCHSS, ACADEMIA SINICA

2021 | Report

CONTRIBUTORS: Lin, Ji-Ping; commissioned by Council of Indigenous Peoples

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**Source:**  Lin, Ji-Ping

## Fundamental Monthly Statistics on Contemporary Taiwan Indigenous Peoples, February, April, June, August, October, December, 2015

RCHSS, ACADEMIA SINICA

2021 | Report

CONTRIBUTORS: Lin, Ji-Ping; commissioned by Council of Indigenous Peoples

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**Source:**  Lin, Ji-Ping

**Fundamental Monthly Statistics on Contemporary Taiwan Indigenous Peoples, February, April, June, August, October, December, 2016**

RCHSS, ACADEMIA SINICA

2021 | Report

CONTRIBUTORS: Lin, Ji-Ping; commissioned by Council of Indigenous Peoples

[Show more detail](#)**Source:**  Lin, Ji-Ping**Fundamental Monthly Statistics on Contemporary Taiwan Indigenous Peoples, February, April, June, August, October, December, 2017**

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2021 | Report

CONTRIBUTORS: Lin, Ji-Ping; commissioned by Council of Indigenous Peoples

[Show more detail](#)**Source:**  Lin, Ji-Ping**Fundamental Monthly Statistics on Contemporary Taiwan Indigenous Peoples, February, April, June, August, October, December, 2018**

Taipei: RCHSS, Academia Sinica

2021 | Report

CONTRIBUTORS: Lin, Ji-Ping; commissioned by Council of Indigenous Peoples

[Show more detail](#)**Source:**  Lin, Ji-Ping**Fundamental Monthly Statistics on Contemporary Taiwan Indigenous Peoples, February, April, June, August, October, December, 2019**

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CONTRIBUTORS: Lin, Ji-Ping; commissioned by Council of Indigenous Peoples

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**Fundamental Monthly Statistics on Contemporary Taiwan Indigenous Peoples, February, April, June, August, October, December, 2021**

RCHSS, ACADEMIA SINICA

2021 | Report

CONTRIBUTORS: Lin, Ji-Ping; commissioned by Council of Indigenous Peoples

[Show more detail](#)**Source:**  Lin, Ji-Ping**Fundamental Monthly Statistics on Contemporary Taiwan Indigenous Peoples, November, 2013**

Taipei: RCHSS, Academia Sinica

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CONTRIBUTORS: Lin, Ji-Ping; commissioned by Council of Indigenous Peoples

[Show more detail](#)**Source:**  Lin, Ji-Ping**Fundamental Monthly Statistics on Contemporary Taiwan Indigenous Peoples: April 2014**

Taipei: RCHSS, Academia Sinica

2021 | Report

CONTRIBUTORS: Lin, Ji-Ping; commissioned by Council of Indigenous Peoples

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Taipei: RCHSS, Academia Sinica

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CONTRIBUTORS: Lin, Ji-Ping; commissioned by Council of Indigenous Peoples

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**Fundamental Monthly Statistics on Contemporary Taiwan Indigenous Peoples:  
April 2017**

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CONTRIBUTORS: Lin, Ji-Ping; commissioned by Council of Indigenous Peoples

**Source:**  Lin, Ji-Ping**Fundamental Monthly Statistics on Contemporary Taiwan Indigenous Peoples:  
April 2018**

Taipei: RCHSS, Academia Sinica

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CONTRIBUTORS: Lin, Ji-Ping; commissioned by Council of Indigenous Peoples

**Source:**  Lin, Ji-Ping**Fundamental Monthly Statistics on Contemporary Taiwan Indigenous Peoples:  
April 2019**

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CONTRIBUTORS: Lin, Ji-Ping; commissioned by Council of Indigenous Peoples

**Source:**  Lin, Ji-Ping**Fundamental Monthly Statistics on Contemporary Taiwan Indigenous Peoples:  
April 2020**

Taipei: RCHSS, Academia Sinica

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CONTRIBUTORS: Lin, Ji-Ping; commissioned by Council of Indigenous Peoples

**Source:**  Lin, Ji-Ping**Fundamental Monthly Statistics on Contemporary Taiwan Indigenous Peoples:  
April 2021**

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