# Curriculum Vitae
# Zhi-Yu Jou

## EDUCATION

| | |
|---|---|
| 2015 – 2022 | **Ph.D. in Biostatistics** |

Institute of Epidemiology and Preventive Medicine, National Taiwan University

*Dissertation Title*: Sufficient Variable Selection via Random-Partitions for High-Dimensional Problems

*Advisor*: Professor Hung Hung

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| 2012 – 2014 | **M.S. in Biostatistics** |

Institute of Epidemiology and Preventive Medicine, National Taiwan University

*Thesis Title*: Detection of Gene×Environment Interactions via Tensor Regression

*Advisor*: Professor Hung Hung

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|---|---|
| 2008 – 2012 | **B.S. in Mathematics** |

Taipei Municipal University of Education

## RESEARCH INTERESTS

Dimension Reduction Analysis

Machine Learning

Biostatistics

## RESEARCH EXPERIENCE

| | |
|---|---|
| 2015 – 2022 | **Student Research Assistant** |
| | Institute of Epidemiology and Preventive Medicine, National Taiwan University |
| 2014 – 2015 | **Research Assistant** |
| | Institute of Epidemiology and Preventive Medicine, National Taiwan University |
| 2013 – 2014 | **Student Research Assistant** |
| | Institute of Epidemiology and Preventive Medicine, National Taiwan University |

## TEACHING EXPERIENCE

Teaching Assistant

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|---|---|
| 2017, 18, 19 | **Biostatistics II** |
| | Institute of Epidemiology and Preventive Medicine, National Taiwan University |
| 2013, 15, 16, 17, 18, 21 | **Mathematical Statistics** |
| | Institute of Epidemiology and Preventive Medicine, National Taiwan University |

## ACADEMIC SERVICES

Student representation

| 2015 – 2022 | **Class Representative** |
| | Institute of Epidemiology and Preventive Medicine, National Taiwan University |

Teaching training services

| 2015 | **Consultant for Teaching Assistants** |
| | Center for Teaching and Learning Development, National Taiwan University |

## AWARDS AND HONORS

| 2020 | **Outstanding Award - Poster exhibition of research** |
| | Institute of Epidemiology and Preventive Medicine, National Taiwan University |
| | *Research Title*: Sufficient Variable Selection via Random-Partitions for High-Dimensional Problems |
| 2012 | **Director's Award** |
| | Department of Education, Taipei City Government |
| 2010, 11, 12 | **Academic Excellence Award (top 3 of class in semester)** |
| | Department of Mathematics, Taipei Municipal University of Education |

## PUBLICATIONS

Journal Papers

Hung, H. and **Jou, Z. Y.** (2019). A low rank-based estimation-testing procedure for matrix-covariate regression. *Statistica Sinica*, 29(2), 1025-1046.

Hung, H., **Jou, Z. Y.**, and Huang, S. Y. (2018). Robust mislabel logistic regression without modeling mislabel probabilities. *Biometrics*, 74(1), 145-154.

In Preparation

**Jou, Z. Y.** and Hung, H. Sufficient Variable Selection via Random-Partitions for High-Dimensional Problems.

## CONFERENCE PRESENTATIONS

Oral Presentations

The 29nd South Taiwan Statistics Conference and 2020 Chinese Institute of Probability and Statistics Annual Meeting, National Chung Cheng University, Taiwan, Aug. 20-21, 2020
*Title*: Sufficient Variable Selection via Random-Partitions for High-Dimensional Problems

Japanese Joint Statistical Meeting 2016, Kanazawa University, Japan, Sep. 4-7, 2016
*Title*: A low-rank based estimating and testing procedure for matrix-covariate regression

The 23nd South Taiwan Statistics Conference and 2014 Chinese Institute of Probability and Statistics Annual Meeting, National Dong Hwa University, Taiwan, June 27-28, 2014
*Title*: Detection of Gene×Environment Interactions via Tensor Regression

## OTHER CONFERENCES AND WORKSHOPS ATTENDED

Robust Statistical Inference For High Dimensional Data And Deep Models, Academia Sinica, Taiwan, Sep. 24, 2022

2018 Workshop on High-Dimensional Statistical Analysis, Academia Sinica, Taiwan, Dec. 7-11, 2018

2017 Workshop on High-Dimensional Statistical Analysis, Academia Sinica, Taiwan, Aug. 14-17, 2017

2016 CSA & NCCU Joint Statistical Meetings In Celebration of the 50th Anniversary of Department of Statistics, National Chengchi University, Taiwan, Dec. 9-10, 2016

2015 Workshop on High-Dimensional Statistical Analysis, Academia Sinica, Taiwan, Dec. 11-15, 2015

Instructional Skills Workshop (ISW), Center for Teaching and Learning Development, National Taiwan University, Taiwan, Aug. 3-7, 2015

2013 Statistical Science Camp, Academia Sinica, Taiwan, Sep. 3-4, 2013


## SKILLS AND LANGUAGES

**Technical Skills**

Matlab

R

SAS

C

Python

**Languages**

Mandarin (native)

English (intermediate)

Japanese (JLPT N3)

Spanish (beginner)


## VOLUNTEER WORK

**Volunteer of the 21th Taipei Summer Deaflympics 2009**

Taipei Deaflympics Organizing Committee, Taiwan, Sep. 5-15, 2009