

MIN-YI CHEN

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EDUCATION

National Chengchi University Taipei, Taiwan
B.S. in Statistics, Overall GPA : 4.00/4.00 Sep. 2020 - Jun. 2023
Honor: Academic Excellence Award (top 5% of class in semester), Taishan Academic Scholarship
Graduate-level courses : Real Analysis, Bayesian decision analysis and Bayesian network, Topics in Mathematical Statistics, Nonparametric Function Estimation, Probability and Measure theory, Image Processing
Related courses : Mathematical Statistics, Multivariate Analysis, Regression Analysis, Time Series Analysis, Data Science, Linear Algebra, Calculus A, PyTorch and Machine Learning

Central University of Finance and Economics Beijing, China
International Business, Overall GPA : 81.74/100.00 Sep. 2018 - Jun. 2020

RESEARCH EXPERIENCE

Institute of Statistical Science, Academia Sinica Jun. 2022 - Present
Part-time Research Assistant with Dr. Ting-Li Chen

- Smoothing and visualizing data with R and RShiny for research in human behaviour behind Covid-19
- Study MCMC under the guidance of Dr. Ting-Li Chen

Ministry of Science and Technology Research Project Feb. 2022 - Feb. 2023
Undergraduate Researcher Advisor Dr. Han-Ming Wu

Title : On the estimation of the weight parameters of the multi-SNE using the gradient descent

- Designed an object function for parameters estimation and prove the method converges at the rate of $O(1/k)$
- Conducted experiments on synthetic and real data sets to show the effectiveness and robustness of my method

WORKING EXPERIENCE

Institute of Statistical Science, Academia Sinica Feb. 2022 - May 2022
Data Science and Statistic Cooperative Intern

- Used Statistical Method and Visualizing Skills to analyze real data from industry
- Analyzed and predicted the edge up Covid cases in Taiwan with time series methods

PUBLICATION

Ting-Li Chen, Elizabeth Chou, Min-Yi Chen and Fushing Hsieh (2022). Controlled spreading of Covid-19 in Taiwan and its inferred equilibrium: functional data via CEDA with major factor selection. (On-going).

LEADERSHIP

Google Developer Student Club, NCCU Sep. 2020 - Jan. 2021
Team leader of recommender system group

- Led my team to build an item-based recommender system with matrix factorization and deep-learning methods

Tennis Club, CUF Sep. 2019 - July. 2020
President

- Host a school-level tennis tournament and participate in over 100 divisions