MIN-YI CHEN

Personal website : https://ccminyi.github.io

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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). Dynamic characteristics of Covid-19 daily infection rates across administrative districts and their age-groups in Taiwan. (On-going)

Min-Yi Chen, Han-Ming Wu. On the estimation of the weight parameters of the multi-SNE using the gradient descent. (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, CUFE — Sep. 2019 - July. 2020
President

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