



Kristina P. Sinaga

kristinaps25 | Kristina P. Sinaga | Kristina P. Sinaga

"A job well done is its own reward. You take pride in the things you do, not for others to see, not for the respect, or glory, or any other rewards it might bring. You take pride in what you do, because you're doing your best. If you believe in something, you stick with it. When things get difficult, you try harder."

Summary

I earned my PhD in Applied Mathematics, in June 2020. I am very passionate about developing intelligent pattern recognition algorithms, especially for single and multi-view learning. I have a proven track record of success in this area and am proficient in various machine learning techniques, including classification, feature selection/reduction, parameter estimation, regression, and clustering. To test my proposed algorithms on large dataset, mostly I used programming tools like Matlab, Python, and R.

Work Experience

Chung Yuan Christian University

Taoyuan, Taiwan

POST-DOCTORATE FELLOW

March 2023 - Present

- Develop novel algorithms for clustering or tensor-based clustering that can be applied to large, complex data sets (Multi-view data).
- Publish research findings in high-impact journals.

Education

CYCU (Chung Yuan Christian University)

Taoyuan, Taiwan

PH.D. IN APPLIED MATHEMATICS

Sept. 2016 - Jun. 2020

- Thesis title: Multi-View Fuzzy Clustering Algorithms for Multi-View Data
- Advisor: Prof. Miin-Shen Yang
- CGPA: 3.842

USU (University of Sumatera Utara)

Medan, Indonesia

MS. IN MATHEMATICS

Dec. 2013 - Dec 2015

- Thesis title: Model Optimasi Stokastik Penentuan Lokasi dan Jumlah Ambulan dengan Korelasi (in Bahasa Indonesia)
- CGPA: 3.78
- Advisors: Prof. Herman Mawengkang and Dr. Esther Nababan

USU (University of Sumatera Utara)

Medan, Indonesia

B.S. IN MATHEMATICS

Aug. 2011 - Aug. 2013

- Thesis title: Analisis Pengaruh Produk Domestik Regional Bruto, Pendidikan dan Pengangguran terhadap Kemiskinan di Kabupaten/Kota Propinsi Sumatera Utara (in Bahasa Indonesia)
- CGPA: 3.30
- Advisors: Prof. Tulus and Dr. Open Darnius

Honors & Awards

INTERNATIONAL

2020	Honorary member , The Phi Tau Phi Scholastic Honor Society of The Republic of China	<i>CYCU, Taiwan</i>
2019	Recipient , MOST Travel Grant	<i>Taipei, Taiwan</i>
2018	Recipient , Japan Science and Technology Agency (JST)	<i>Niigata, Japan</i>
2017	Recipient , Japan Student Service Organization (JASSO)	<i>Niigata, Japan</i>
2016	Recipient , CYCU International Student Scholarship	<i>CYCU, Taiwan</i>

Certifications

2022	Coursera-DeepLearning.AI TensorFlow Developer Professional , Instructor: Laurence Moroney	<i>Online Courses</i>
2022	Coursera-Machine Learning Specialization , Instructor: Andrew Ng	<i>Online Courses</i>
2020	Coursera-Learning to Teach Online , Instructor: Associate Professor Simon McIntyre & Dr Negin Mirriah	<i>Online Courses</i>