



Kristina P. Sinaga

kristinaps25 | Kristina P. Sinaga | Kristina P. Sinaga

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).

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

- | | | |
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| 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> |