TING-YU, LIN

website: tylin30.github.io
email: tylin.amice@gmail.com
phone: +886958120718

EDUCATION

University of Melbourne Melbourne, Australia
Postgraduate Exchange Program *Jul. 2019 - Jul. 2020*

National Taiwan University Taipei, Taiwan
M.S. in Psychology *Sep. 2017 - Jul. 2020*

- Thesis: Developed cross-platform cognitive assessment tool (CogAT).
- Developed R package (NTUCogTask) for CogAT users to wrangle the complex raw data into psychological features.

National Taiwan University Taipei, Taiwan
B.S. in Psychology *Sep. 2013 - Jun. 2017*

EXPERIENCES

NLP Engineer Taipei, Taiwan
Research Center for Psychological and Educational Testing *2021*

- Leveraged linguistics and word acquisition features for neural network to predict readability.

Web Developer and Team Leader Taipei, Taiwan
Modeling and Informatics Lab *2020*

- Developed the website for matching the researchers and experiment participants.
- Assisted back-end to design the database scheme and API format.

Teaching Assistant of Psychoinformatics and Neuroinformatics Taipei, Taiwan
National Taiwan University *2018*

- Provided support to over 100 students' class questions including Web Crawling, Database (SQL), Machine learning and Parallel & Distributed Computing.

PROJECTS

Tweets Parallel Analysis Melbourne, Australia

- Analyzed 20GB data from Twitter to identify the top10 most frequently occurring hashtags and the languages most commonly used for tweeting.

Movie Genres Prediction Melbourne, Australia

- Predicted movie genres via machine learning models including Decision Tree, Random Forest, Logistic Regression, XGboost, and ANN. Utilized XAI technique to understand the model.

SKILLS

Programming	R, Python, SQL, JavaScript, HTML, CSS, PHP, Linux, JAVA
Tools	Scikit-Learn, Git, Pytorch, Shiny (R), Cordova, React.js, LATEX, Markdown, Vim
Language	Mandarin Chinese (Native), English (Fluent)

RELEVANT COURSES

$H1$	Algorithms and Complexity (UniMelb)	$H1$	AI Planning for Autonomy (UniMelb)
$H2$	Introduction to Machine Learning (UniMelb)	$H3$	Database Systems (UniMelb)
$H3$	Cluster and Cloud Computing (UniMelb)	–	Deep Learning (Coursera)
A^+	Introduction to Data Science with R (NTU)	A^+	Applied Bayesian Statistical Analysis (NTU)
A^+	Neural and Behavior Modeling (NTU)	A^+	Psychoinformatics and Neuroinformatics (NTU)
A	Mathematical Methods in Psychology (NTU)	A	Multivariate Analysis (NTU)
$A+$	Organizational Psychology (NTU)		