

Jai-Hua (Kevin) Yen

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I am a highly-motivated, fast-learning, and innovative professional that specialized and have a high interest in data science with one-year experience in industry, and two-year experience in academics. I am currently an AI Algorithm Engineer in TutorABC, where I integrate my skills in AI and statistics to give deeper inference in different prospective on business data.

Professional Experience

- TutorABC**, Taipei, Taiwan 2020 - Now
- AI Algorithm Engineer 2020 - Now
- Establish a refund detection model to lower the refund rate by implementing feature extraction of customer's behavior on classes and services, and choosing the best model by evaluating the F1-Score from each trained model (Adaboost, Random Forest, Neural Network)
 - Apply computer vision (yolov3) to consumer's responses and company services (OCR) to improve user experience
 - Build recommendation system by Bert, FastAPI, and Docker and use it as the response of Line chatbot for customer service
 - Implement nature language processing techniques (TFIDF & Bert) to improve the quality of the matching system between our customers and products by performing classification (k-means) of the contents of our educational materials.
 - Construct R Shiny Server and JupyterHub by Docker for producing interactive dashboards for stakeholders and BI tool for data analytics usage
- Data Analyst 2021 - Now
- Design products based on the information of grouped customer features using factor analysis
 - Build interactive dashboards and give data insights to each stakeholder's interested KPI based on statistical analysis and machine learning techniques
- National Taiwan University**, Taipei, Taiwan 2017 - 2019
- Teaching Assistant
- Teach lab courses of introducing programming languages includes: R and EXCEL
 - Assist teacher in teaching statistics and linear algebra courses, and correction of homework and examination papers
 - Evaluated as the top 10% teaching assistants in National Taiwan University and received the National Taiwan University Excellent Teaching Assistant Award

Education

- National Taiwan University**, Taipei, Taiwan 2017 - 2019
- Master of Science in Biometry and Bioinformatics
- National Tsing Hua University**, Taipei, Taiwan 2013 - 2017
- Bachelor of Science in Quantitative Finance

Skills

Software/Tools: Linux, Docker, Git, Tableau, Metabase, Excel (Vlookup)
Programming Languages: R, Python (Keras, Tensorflow), MS-SQL, MY-SQL, MATLAB, SAS, C++
Languages: Mandarin (Native Speaker), English (TOEIC: 910)

Publication

Yen, J.-H., Chiu, C.-H. (2020). Richness estimation with species identity error. *Proceedings 62th International Statistical Institute (ISI) World Statistics Congress*, Volume 6, 401-408.