# Ben (Weiting) Ho

(972) 679-9605 | benjermin.x@gmail.com | www.linkedin.com/in/weiting-ho

## Technical Skills

**Expertise:** Machine Learning (*logistic regression, tree-based model, neural network*), Data Preprocessing, Database Design, ETL (*Extract, Transform, and Load*), Statistical Analysis, Predictive Modeling, Data Mining

**Programming:** R (*ggplot2, shiny, and neuralnet*), Python (*NumPy, pandas, matplotlib, scikit-learn, beautifulsoup, and bokeh*), SQL (*MySQL and NoSQL*), SAS

**Analytical Tools:** Advanced Excel (*PivotTable, Lookups, Modeling*), Google Analytics, Tableau

## Work Experience

**Hua-Hsing Chinese School, Plano, Texas**                                                    Aug. 2019 – Present
*Mathematics Lecturer*
- Lecture and manage courses in English 2 hours a week for 25 students in a class
- Analyze student's grades with Excel and provide a visualization report once a week to track their learning performance

**Institute of Statistics at Academia Sinica, Taipei, Taiwan**                          Sept. 2017 – June 2019
*Data Research Analyst*
- Optimized an existing trading model by considering risk factors, which reduced unpredictable risk by 83% and increased profit by 4%
- Estimated conditional tailed expectation for non-stationary time series process to improve more than 50% efficiency in R
- Analyzed stock market by implementing GARCH analysis in R
- Developed training materials for a Financial Time Series course for 10 students

**Cathay Life Insurance, Taipei, Taiwan**                                                       Sept. 2016 – Sept. 2017
*Data Analyst*
- Improved 23% accuracy of detecting abnormal claim cases by constructing a claim risk scoring model using SAS and R
- Organized with multiple departments on updates made for company's claim system at least once a week
- Proposed an innovated data preprocessing method applying to claim data, real estate data, and maturity data
- Acquired advanced presentation skills, collaboration strategies, and time management tips

## Project & Competition

**Infosys Ideathon**                                                                                   Aug. 2020 – Sept. 2020
- Headed a 5-people team
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**FIFA Players Analysis with R**                                                                Sept. 2019 – Nov. 2019
- Coordinated with other 4 members in a cross-functional team, finalizing the project perfectly on time
- Programmed for data analysis and visualization with random forest, logistic regression, and neural network methods
- Predicted the market value of the players with 80% accuracy rate to optimize the cost of running a dream team

**Claim Risk Scoring System**                                                                   Sept. 2016 – June 2017
- Collaborated with a cross-functional team, conducting this one-year long project
- Planned the project schedule with SDLC model and tracked the process for each member once a week
- Led the team close the project 3-month earlier than the tentative date

## Education

**The University of Texas at Dallas, US**                                                   Aug. 2019 – Present
Master of Science in Information Technology Management                                            GPA 3.87

**National Central University, Taiwan**                                                          June 2015
Master of Science in Statistics

**National Cheng Kung University, Taiwan**                                                  June 2013
Bachelor of Science in Mathematics