YI-PEI CHAN | Curriculum Vitae

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Education

Columbia University In the City of New York   **New York**
M.A. in Statistics,   *Dec.2020 (Expected)*

National Taiwan University   **Taiwan**
B.A. in Economics, Biological Statistics Program,   *Jun.2017*
Bachelor thesis: Oil Price and Consumption Expenditure
Cyrus C. Y., T.J Chen Scholarship of 2015, Department of Economics (four undergraduate recipients)

Relevant Courses

- **Math & Statistics:**
  Stochastic Process, Advanced Statistics, Mathematical Analysis, Numerical Analysis and Programming, Econometrics, Statistics in Disease Screening, Linear Algebra, Probability Theory, Experimental Design

- **Computer Science:**
  Statistical Computing, Database Management System, Data Structures, Programming Design

Work Experience

Cathay Life Insurance Co., Ltd (the largest insurance company in Taiwan)   **Taiwan**
Actuarial Specialist   *Aug.2017—Jun.2019*

–Designed and launched 4 life insurance products, one of which generated 1.6 billion NTD (50 million USD) premium revenue in three months after being launched on Mar.1st 2018

–Programmed actuarial pricing models, initiated new types of insurance products closer to human life cycle, and optimized profitability of products, including VNB, CSM, and other financial indicators under the guidance of IFRS17

–Developed web scraping programs to track newly launched/ discontinued insurance products and image classification programs to automatically generate IRR and death benefit to premium ratios of policies, reducing manual time invested in weekly insurance market survey

Central Bank of the Republic of China   **Taiwan**
Part-time Research Assistant   *Jul.2016—Jun.2017*

Assisted senior colleagues in maintaining interest rate data, e.g. overnight interest rate, foreign currency deposit rates of banks in Taiwan and LIBOR in database system, and supported researchers with time series data with detailed explanations including components, frequencies, seasonal-adjusted procedure, averaging methods, etc.

Consumers' Foundation Chinese Taipei   **Taiwan**
Part-time Columnist   *Oct.2014—Jul.2017*

Published 25 articles on diversified issues, including government policies, consumer welfare, industrial trends, regulatory loopholes, and world-wide innovative businesses. Several articles were appointed as guidelines by the government

Technical Skills & Interests

- **Personal Project Page:**
  https://yipeichan.github.io

- **Programming Languages:**
  R, VBA, Python (advanced); C++, SQL (intermediate); Tex (basic)

- **Finance & Business Skills:**
  Options and Futures, Accounting for Managerial Decisions, Venture Capital and Investment Banking

- **Certificates:**
  –Passed VEE Accounting and Finance, Economics (Nov.2018), Society of Actuaries
  –Passed Exam Financial Mathematics (Jun.2018), Probability (Sep.2017), Society of Actuaries
  –Certified Property Insurance Manager (Oct.2014), Certified Life Insurance Manager(Sep.2014), NLIA, LIAROC, Taiwan

- **Interests:** sketch & oil painting, civic engagement (I co-founded Cross-Wow Union in National Taiwan University and launched several NGO Investigation Projects. A participant started similar activities discussing social problems after returning Beijing)