Jianwei FU

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Education

Degree	School	Duration
MS in Applied Statistics & Decision Making (GPA 3.95)	Fordham University, GBA	2013-2014
Master of Management	Tianjin University, China	2008-2010
Bachelor of Management	Tianjin University, China	2004-2008

Course List Link

Experience

Data Analyst, Senior Associate   **Cognizant Tech Solns**

01/2015 – 12/2018

1. Total US Macro Snack market analysis **(R, Teradata DB, Tableau, Shiny)**

- ETL external sale data (IRI, NPD, ICP, etc.) and aligned with internal shipment data
- Built a comprehensive data warehouse for Total US Macro Snack, including geographic and demographic information
- Forecasted sale for next 5 years, by parallelly applying 133 time series models for variable combinations
- Designed the best model selection automation framework for the essential variable combinations
- Visualized actual and forecasted sale in Tableau and built a Scenario Planner using R shiny

2. First Pass Payment Prediction **(R, SQL)**

- ETL external client data with internal payment data and converted into readable format
- Identified key predictors using Chi-sqr test, ANOVA test, and Information Value Statistics approaches
- Performed supervised machine learning using logistic regression approach
- Applied Threshold Calibration to improve predictions on Sensitivity, Specificity, and Accuracy

3. Hotel Reservation Forecasting Adjustments **(R, SQL)**

- Queried reservation of daily actuals and predicts by brands, room & price category and other indicators
- Used a quality control experiment to estimate the measurement error variability
- Conducted a correction for measurement error using Bayesian method
- Cross Validated the forecasting outputs after Bayesian correction

Integrated Banker   **Agricultural Bank of China, Tianjin Branch**

09/2010 - 07/2013

- Provided personal banking services, including planning personal saving, investment, and financing
- Provided corporate banking services, including bank account management and cash flow management
- Supervised and trained interns and new employees

Principle Researcher   Fordham University

1. Association analysis between Sustainability and Financial Performance   05/2014 - 12/2014

2. Correlation analysis of R&D Expenditure to Development of Sci, Tech, and Eco   01/2014 - 05/2014

3. Neural Network analysis on the Association between Behavioral Factors and Children's Vaccine Status   09/2013 - 12/2013

Certifications/Honors/Special Skills

- Expert on R
- Skilled in SQL, Python, SPSS, Tableau, and MS Office Suite
- 2014 Dean's List Award, Fordham GBA
- Best Employee of 2011, Agricultural Bank of China Tianjin Branch