CHEN QIAN

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EDUCATION

University of California, Davis, Davis, USA *September 2021 Expected - June 2023 Expected*
Master of science
Department of Statistics

Complutense University of Madrid, Madrid, Spain *September 2016 - July 2020*
Bachelor of social science
Department of Statistics *GPA:3.6(Ranking: 3/80)*

WORK EXPERIENCE

MPMF(Game company), Wuhan, China *September 2020 - November 2020*
Data analyst(Intern)

- Completed daily product data collection task through the SensorTower and Analyzed daily and weekly trends in the mobile game market to wirte daily and weekly data reports; Collected and analyzed indicators(DAU, ECPM, retention rate, etc.) to provide optimization strategies and recommendations.

MPMF(Game company), Wuhan, China *December 2020 - May 2021*
Data analyst

- Completed the API functions of SensorTower and AppAnnie websites for collecting data. Used Python and HeidiSQL to clean original data and select tables from database for weekly reports; Used power BI to complete the automatic output of weekly report content.
- Designed metric and used statistical methods to run A/B test experiments for Wheel Offroad 3D and produced analysis reports and suggestions to change version; Optimized statistical models in time.

PROJECTS

Application of Logistic Regression Model to Game Data Classification
Using SPSS to generate logistic regression for predicting player positions (offensive or Defense) and checking whether the FIFA 19 player ability value matches the player's actual position. Shooting ability concluded that if other abilities are the same, the probability that a player with a higher shooting ability is an offensive player is 3.6 times higher than a player with a lower shooting ability.

Time Series Analysis and Artificial Neural Network for Financial Data
A comparison of Box-Jenkins ARIMA (p, d, q) models and Artificial Neural Network models for financial time series which is I worked on it as my dissertation with my tutor Prof. Enrique Gonzalez Aranguena. Finding the best and the most appropriate ARIMA(p,d,q)(P,D,Q) model and LSTM model for several database obtained from Quandl with diagnosis and adjusting. Then, comparing which one is the better in short and long period. The result shows that there is no significant difference between the two models in short-term predictions, but the neural network can make long-term predictions better.

SKILLS

Programming Languages	C++, Python, MATLAB
Statistical Software	R, SAS, SPSS
Languages	Spanish(level B2), English(TOEFL 89), Chinese