**Kelly (Kelso) Quan**

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**EDUCATION**

**Master of Science in Statistics** May 2019

San Diego State University, San Diego, CA

GPA: 3.21

**Bachelor of Science in Mathematics**

Dec 2017

California State University Chico, Chico, CA

GPA: 3.00

**RELATED COURSES**

Linear Regression Models

Applied Statistical Methods

Sampling Methods

Mathematical Statistics

Statistical Communication

Multivariate Analysis

Time Series Analysis

Data Mining

Statistical Consulting

**RELEVANT QUALIFICATIONS**

**Statistical Modeling**

* Examined machine learning techniques CART and rpart to synthesis binary decision trees for spam filters
* Designed an experiment with Titleist’s Golf Ball project using simulations and ANOVA/ANCONVA methods
* Implemented Conical Correlation Analysis and Empirical Orthogonal on NOAA data to find correlation of Temperature of Western US and Precipitation of Contiguous US

**Presentation and Report Writing**

* Presented the Titleist’s Brand-New Golf Balls results to a panel of 8 statisticians
* Authored New York Municipality Expenditures, Prostate Capsule Penetration, and Salaries of Baseball Players reports to Statistical Industrial Standards with LaTex
* Developed and delivered a seminar to an undergraduate upper division statistic class on Central Limit Theorem
* Cleaned and visualized data for a Multivariate Analysis course on the happiness of countries.

**Statistical Software**

* Utilized SQL to retrieve and manipulate data in the Titleist’s Brand-New Golf Balls project
* Devised methods of Principal Component, Factor, and Cluster Analysis to evaluate and measure happiness around the world during the years 2015-2017 using SAS software
* Developed machine learning algorithms using R libraries to differentiate 150 Irises with 5 attributes per Iris

**EXPERIENCE**

**Math/Stats Tutor**

California State University Chico

2016-2017

Chico, CA

**Military Police**

California National Guard

2012-2017

Sacramento, CA

**Electrician Apprentice**

2011-2012

IBEW 569 San Diego, CA