

Diane Jang

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EDUCATION

University of California, Los Angeles

Bachelor in Science

Expected Jun 2024

Los Angeles, CA

- Majors: Statistics and Data Science, Applied Mathematics
- GPA: 3.80/4.00
- Honors/Activities: Dean's Honor List; Data Resolutions; Bruin Actuarial Society; Statistics Club at UCLA
- Computer/Software Skills: Excel, R, Python, Actuarial Software Corporation (ASC), Alteryx, Power BI

WORK EXPERIENCE

KPMG LLP

Actuarial Intern

Jun 2023 – Aug 2023

New York, NY

- Performed loss development factor and loss reserving method selections for pooled auto insurance for Fortune 100 client
- Prepared 2Q review files by generating loss development triangles, pivot tables for surety reserves analyses for P&C client
- Updated actuarial memo by extracting tables from reserve summary file and articulating an analysis of numerical trends

UCLA Department of Medicine Statistics Core

Student Research Assistant

Feb 2022 – Present

Los Angeles, CA

- Performed data inputting, cleaning, analyzing through R and Excel and validating via SAS to facilitate statistical analysis
- Managed surveys and databases via electronic data capture tool REDCap to support clinical trials and medical research
- Executed trials on external module for cross-project piping to test effectiveness and compatibility of module with project

BNP Paribas Cardif

Risk Management Intern

Jun 2022 – Sep 2022

Seoul, South Korea

- Produced interest rate, equity models with Economic Scenario Generator and applied Martingale test for liability valuation
- Evaluated 20 operational risks through Risk Control Self-Assessment and presented results in Internal Control Committee
- Conducted regression analysis on 103 Universal Life funds to determine most accurate benchmark combination for funds

LEADERSHIP & RESEARCH

Data Resolutions

Project Lead

Sep 2022 – Present

Los Angeles, CA

- Led a team of five to analyze causes behind flight fare fluctuations and estimate costs of flights from LAX to US airports
- Cleaned and filtered data via Excel and SQL and visualized insights with interactive histograms and maps with R Shiny

Predictive Modeling of Voting Percentages in 2020 Presidential Election

Project Lead

Aug 2023 – Sep 2023

Los Angeles, CA

- Developed and evaluated five regression models and random forest models to predict county-level voting percentages
- Conducted data engineering and hyperparameter tuning to optimize model performance and select most accurate model
- Created complexity parameter visualizations and used v-fold cross validation to measure the performance of models

World Happiness Report Analysis

Project Lead

Jan 2023 – Mar 2023

Los Angeles, CA

- Constructed models via box-cox transformation, forward and backward stepwise regression to study 2019 happiness score
- Chose best model by comparing AIC, BIC, adjusted R-squared, performing partial F-test, and producing diagnostic plots

Increasing Statin Prescribing in HIV Behavioral Economics Research

Data Analyst Assistant

March 2022 – Aug 2022

Los Angeles, CA

- Assessed knowledge of statin and barriers to clinician prescribing and patient uptake in health clinics serving HIV patients
- Measured effectiveness of educational intervention on statin uptake via bivariate analysis in R on feedback survey data
- Tabulated data from feedback surveys to generate summary statistics through Excel for presentations and manuscripts