

Qiushi Yan

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Education

Communication University of China

Data Journalism, 3.8/4.0

Beijing - China

September 2017 – June 2021

- Top 5% with excellent performance in Calculus, Linear Algebra, Probability, Statistics and various courses in programming.

University of California, Los Angeles

Summer Session, Stats100C: Linear Models, 4.0/4.0

Online

July 2020 – September 2020

- Top 20% in a proof-based course on the theory of regression analysis. Topics include Gauss Markov theorem, general aspects of maximum likelihood estimation, partial regression, constrained estimation, generalized least squares, and model selection.

Skills

Data Analysis, Visualization and Machine Learning

I am experienced in various data tasks leveraging R, ython and SQL, including data cleaning, feature engineering, statistical modeling, data visualization and interactive reports. Featured projects include (with subjects)

- *Logistic regression, multiple imputation, and resampling.* A [case study](#) on the most up-to-date and comprehensive Titanic data, exploring survival factors with regression.
- *Text analytics.* A [case study](#) classifying novels by Brontë Sisters. A similar multinomial classifier is developed to analyze [Animal Crossing Reviews](#).
- *SQL for data query and R for Data Visualization:* A [case study](#) analyzing international debst statistics.
- My own utility R [package](#)

Front-End Development

I am familiar with React and Vue.

- [Data Science Shelf](#): A book website for data science built with Vue. Covers authentication, real-time updates and markdown support.
- [Github Profile Viewer](#): A React app for exploring Github user statistics.

Work Experience (Internship)

Data Analyst

51Talk, Department of Big Data and Business Intelligence

September 2020 – Now

- At a leading online education company, I contributed to establishing an integrated teacher-evaluation system. With R and Python, I conducted extensive exploratory analysis and research on the influence of hardware setup, speaking speed, facial expressions and time management on conversion rate and customer review. I am involved throughout the project in problem definition, data cleaning, feature engineering, regression modeling and the development of end-to-end web applications.
- I am also involved in an ongoing project to optimize our adaptive placement testing system, based on item-response theory and deep knowledge tracing.

Business Analyst

Analysys, Department of Data Analysis and General User Success

June 2020 – September 2020

- Improved the web and app analytics service in aspects of data visualization tools and user interface
- Supported users across industries by designing tracking events and analyzing user behavioural data
- Translated data into interactive reports and dashboards written in R Markdown and JavaScript, which received immense positive feedback from clients

Data Mining Engineer

DiDi Chuxing, International Division

March 2019 – August 2019

- Contributed to building a fast, scalable and extensible AB testing environment with R and C++
- Conducted overseas geo-marketing research targeting South America and Australia, with density-based clustering, logistic regression, and correspondence analysis