Qiushi Yan

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Education

Communication University of China *Beijing - China*

DATA JOURNALISM, GPA: 3.78/4.0 *2017 – 2021*

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

University of California, Los Angeles *Online*

SUMMER SESSION COURSE STATS100C: LINEAR MODELS, 4.0/4.0 *July 2020 – September 2020*

- Top 20% grade 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 in Programming and Computation

My featured projects include a case study on the most up-to-date and comprehensive Titanic survival data, a text classification model distinguishing Brontë Sisters, and another case study using Python and R in parallel for data tidying and visualization. I am writing notes in mathematics for data science and statistics. Visit my website to see a full list of projects in data analysis, programming and machine learning.

website

R, Python and web development: Experienced in data analysis with R's tidyverse, data.table and Python's pandas, ranging from data collection, cleaning, feature engineering, statistical modeling and data visualization. I have created my own miscellaneous R package available here. I am also familiar with HTML, CSS and JavaScript (vanilla and Vue.js), having authored several static sites and Shiny apps.

templates

Git, R Markdown and LaTeX: These tools are used extensively in all my projects for version control and reproducibility. I have taught them to new members in the research group for scientific publication.

Professional Experience (Internship)

Data Analyst

51TALK, DEPARTMENT OF BIG DATA AND BUSINESS INTELLIGENCE *September 2020 – Now*

- At a leading K-12 online English education company, we are establishing an integrated tutoring performance 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 the ongoing project optimizing our adaptive placement test 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*

- Constantly innovating our web and app analytics service in aspects of data visualization tools and user interface. Provided supports for users across industries by designing tracking events and analysis of user behavioural data. At a client-facing role, I translated numbers into interactive reports and dashboards written in R Markdown and JavaScript, receiving immense positive feedback from client management.

Data Mining Engineer

DIDI CHUXING, INTERNATIONAL DIVISION *March 2019 – August 2019*

- At China's Uber, our team built fast, scalable and extensible AB testing environment with R and C++. Conducted overseas geo-marketing research targeting South America and Australia with techniques like density-based clustering, logistic regression, and correspondence analysis.

Academic Achievements and Awards

2020 | **Changing Frontiers: 20 Years of China's Communication Study**: An manuscript in preparation probing China's trending research focus and academic network in Mass Communication study over the last 20 years. Investigated the abstract sections in graduate dissertations with dynamic topic modeling and citation network analysis.

2020 | **1st Place in China International College "Internet +" Innovation and Entrepreneurship Competition**: A content analysis of misleading news coverage on COVID-19 and its effects on public health crisis. 1 out of 200 by faculty votes.

2020 | **Best Visualization and Creativity Award in China Data Journalism Competition**: An interactive data-driven report on COVID-19's impact on China's Film Industry.

2019 | **1st Place Team in Nanfengchuang Social Research Content**: Finished a quantitative analysis of aquatic biomass and water pollution in two of China's largest freshwater lakes, to assess the effectiveness of the "River Chief" policy.

2018 | **2nd Place in National Market Survey and Analysis Competition**: Investigated the growing book market for China's Postgraduate Admission Test.