Fengping Wang

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EDUCATION

The Ohio State University   Columbus, OH
M.S. Applied Statistics   May 2017
North China University of Technology   Beijing, China
B.S. Information and Computing Science   June 2015
University of Michigan
Applied Data Science in Python Certificate (5 courses)   Aug 2017 – May 2018
Stanford University
Algorithms Certificate (4 courses)   Mar 2018 – Nov 2018

DATA ANALYSIS WORK EXPERIENCE

Medpace, Inc   Cincinnati, OH, USA
Statistical Analyst II   2017, June – Present

- Applied advanced analytics, machine learning, and statistical techniques, such as regression, mixed model, survival analysis, clustering, classification etc., to analyze data for real-world problems, using tools like Python, SAS and SQL.
- Translated business concerns into specific analytical questions that can be answered with available data using statistical and machine learning methods; Prepared, extracted and analyzed data covering a wide range of information from user profile to various test results from large datasets; Communicated data-driven insights to senior management or clients.
- Introduced statistical methods to reduce the time/data volume needed to draw reliable conclusions, developed tools to analyze data accuracy/effectiveness, adjusted procedures for model performance evaluation, and coordinated with different functional teams to implement models and monitor outcomes.
- Lead a 4-person team to complete a project focusing on efficacy and safety issues of a new product based on 18 large crossover datasets. That includes clinical research plan preparation, statistical learning model development, analysis report generation, data and results validation and report review. This analysis report served as the key part of a comprehensive report handed to clients and FDA.
- Worked as a key member of a cross-functional 25-person team to develop a Data Monitoring System for about 14 months. The system enhances data collection and cleaning procedures and shows real-time analysis of on-going projects. It supports bad/missing data detection, abnormal data alert, data effectiveness/accuracy assessment, user-defined data filter, real-time analysis results presented by tables and graphs and data/results export. The system gives dynamic and real-time overview of on-going study, enabling subgroup analysis and quick issue detection. It reduced about 20% work load for both data management and data analytical departments after being launched.

Yi Sheng Yi Shi Jewelry Company   Beijing, China
Data Analyst   January-July 2015

- Analyzed transactional database of 6 sales regions through analytical tools such as SQL, SAS and Excel to develop timely, applicable and actionable insights weekly.
- Performed data analysis during all phases, such as targeting, monitoring and evaluation and wrote reports monthly.
- Executed cohort studies and drive analyses to understand customer behavior and identify opportunities for improving our products
- Lead a 3-person team to conduct analysis of crystal necklace, extracting and analyzing data to identify market size, growth, pricing, geographical opportunities, and competitive environment as part of a comprehensive three-year crystal decoration market forecast report.
- Acted as part of a 6-person team to do market research of new product, using 20 days to generate a report including market space, market trends, supply and demand, competitive intelligence, costs and profits and expected problems and solutions for silverwork.
- Performed in-depth analysis of on-going operations for assigned business area, identifying important trends, key risk, and opportunities for cost reduction and process improvement.
- Structured findings to effectively communicate data and insights that can be easily understood by non-technical Managers and clients.
- Completed weekly training seminars that included client consultation skills, and use of data analysis applications (SAS and SQL).

Yue Mu Zhi Yuan Jewelry Company   Beijing, China
Financial Analyst Intern   June-September 2014

- Provided a variety of financial analysis support, including sales, marketing and labor related cost analysis and profitability.
- Assisted finance team in gathering data to drive business by defining strategy, developing execution plans and measuring performance.
- Assisted in month-end closing procedures: reconciliation, journal entries and reporting, including analyzing bank statements and checking 2 kinds of bills.
- Assisted with preparation of reports, presentations and analysis designed to communicate financial data to Senior Managers and clients.

ADDITIONAL SKILLS

- **Computer skills**: Python, SAS(Advanced Certification), R, SQL, Matlab, C++, Microsoft Office Software
- **Machine Learning and Algorithm(Python)**: Successful Kaggle competition experience, strong programming skill. Please visit https://github.com/Fengingwang?tab=repositories to check my works
- **Financial knowledge,** CFA Level II, good knowledge of business and finance

HONORS

- 1st place in Mathematical Modeling Contest of Beijing, China
- 2nd place in Statistical Modeling Contest of Beijing, China