Brett Stokes

bstokes0971@gmail.com | 210-387-3054 | https://github.com/bstokes0971 | https://www.linkedin.com/in/brett-stokes/

PROFILE SUMMARY

Data Scientist and Analyst specializing in statistical modeling, machine learning, and data visualization. Experienced in building analysis pipelines and implementing ML models for business solutions. Proficient with Python, SQL, TensorFlow, scikit-learn, and Tableau. Demonstrated success in manipulating large datasets with high dimensionality and deriving actionable insights through statistical analysis. Effective collaborator with cross-functional teams and strong communication skills that translate complex technical concepts into business value.

WORK EXPERIENCE

Whole Foods Market <div align="right">Austin, Texas, U.S.</div>
Data Analyst <div align="right">**Jan 2022 – Present**</div>

- Develops category goals, strategies, and product assortment based on statistical modeling, sales data analysis, customer trends, competitor retailing strategies, and forecasted models using time-series analysis techniques.
- Built and maintained analysis pipelines for large datasets using SQL, Python, and Alteryx to solve data challenges related to pricing optimization, inventory distribution, promotion effectiveness, and customer satisfaction.
- Created and implemented a machine learning application using Python, OpenCV, and TensorFlow to audit item setup process for all new nationally distributed products, reducing errors by 35% and saving approximately 20 hours of manual work weekly.
- Conducted A/B testing on pricing strategies that resulted in a 12% increase in category profitability while maintaining customer satisfaction metrics.
- Developed interactive dashboards using Tableau that track KPIs across multiple business units, enabling data-driven decision making for stakeholders.
- Collaborates across multiple functional teams including Supply Chain, Merchandise Planning, Operations, Procurement, Quality Assurance, and Marketing to effectively implement data-driven strategies.

Halliburton Energy Services <div align="right">Rock Springs, Wyoming, U.S.</div>
Data Analyst <div align="right">**Sep 2017 – Nov 2019**</div>

- Executed data acquisition for multi-million dollar operations, performed real-time statistical analysis of well site data, and optimized fracture treatments based on multivariate models that accounted for resources, time, cost, and customer objectives.
- Developed predictive models using regression analysis to optimize fluid viscosity parameters, resulting in 15% improvement in proppant delivery efficiency.
- Engineered automated reporting systems for high-dimensional datasets in MS Excel/IFS, reducing reporting time by 40% while enhancing data visualization for stakeholders.
- Applied experimental design principles to field operations, enabling systematic evaluation of treatment variables and statistical validation of results
- Built statistical process control systems for QA/QC during crosslink gel operations, ensuring consistent quality metrics across operations.

EDUCATION

UNIVERSITY OF TEXAS AT SAN ANTONIO   San Antonio, Texas, U.S.
                                                                                                                        2020 - 2021

M.S. Data Analytics

Coursework: Statistical Modeling, Machine Learning, Data Visualization, Data Driven Decision Making,
Experimental Design Methods, A/B Testing Framework, Analytics Marketing

Projects:

- Computer Vision Inventory Detection - Collaborated with a retail company to develop a TensorFlow-based object detection model that identifies low stock conditions from shelf images with 91% precision, reducing inventory stockouts by 23%.
- Resume Flask Application - Web application built with Python Flask
- Bitcoin Price Forecast Model - Developed ARIMA and LSTM time-series models in Python to forecast cryptocurrency prices with 82% accuracy, visualized in Tableau.
- Small Business Owners Analysis - Applied clustering algorithms and statistical inference to identify significant trends among US Small Business Owners, resulting in actionable segmentation insights.

UNIVERSITY OF TEXAS AT SAN ANTONIO   Lubbock, Texas, U.S.
                                                                                                                        2012 - 2016

B. S. Petroleum Engineering

Coursework: Reservoir Engineering, Petroleum Design, Formation Evaluation, Petroleum Geology, Calculus 1-
3, Physics 1-2, Statics, Dynamics, Solids, Fluids, Thermodynamics, Linear Algebra

Projects:

- Senior Design - Statistical estimation of Original Oil in Place (OOIP) using Monte Carlo simulations based on logging analysis data. Developed stochastic models for production forecasting and economic analysis with sensitivity testing.

TECHNICAL SKILLS

Programming Languages: Python, R, SQL, Java (basic)

Machine Learning & Analytics: TensorFlow, PyTorch, scikit-learn, Keras,
Statistical Modeling, A/B Testing, Regression Analysis, Classification,
Clustering, Time Series Forecasting, Natural Language Processing (NLP)

Data Engineering Tools: NumPy, Pandas, Matplotlib, Seaborn, Tableau,
Power BI, Power Query, Pivot Tables, VLOOKUPs, Alteryx

Database & Cloud Platforms: Microsoft SQL Server, SQLite, Teradata,
AWS (S3, EC2, Redshift), Azure, Google Cloud Platform

Web Development: Python Flask, RESTful APIs, HTML5, CSS, JavaScript
(basic)