Charles Ancel

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Objective

Statistical analyst with a strong background in data analysis, statistical modeling, and data-driven decision-making. Proficient in Excel, R, Python, and SQL, with a proven ability to apply statistical techniques to real-world problems. Seeking to leverage my analytical skills in a dynamic environment to drive impactful insights and improve decision-making processes.

Education

B.Sc. in Mathematics, Minor in Economics
University of Illinois, Urbana-Champaign
Graduation: May 2024
Relevant Coursework:

- Methods of Applied Statistics, Theory of Interest
- Game Theory, Macroeconomic Policy
- Intermediate Abstract Algebra, Real Analysis

Work Experience

Photo Studio and Design Assistant   Jan - Aug 2021, May - Aug 2022
FTD LLC, Downers Grove, IL

- Conducted statistical analysis on product pricing data, identifying trends that led to a 15% increase in SKU profitability.
- Developed and maintained Excel-based reports to analyze year-over-year changes in costs, enhancing strategic decision-making.
- Provided data-driven recommendations for pricing adjustments, improving overall margin performance.

Logistics Coordinator   Dec 2022 - Jan 2023, Dec 2023 - Jan 2024
Tournament of Roses: Rose Parade, Pasadena, CA

- Applied data analysis techniques to optimize logistics and resource allocation, improving project efficiency by 20%.
- Analyzed workflow processes to enhance team coordination and reduce project completion times.
- Managed data collection and validation for logistics planning, supporting real-time decision-making.

Camp Counselor (Leadership Role)   Summer 2019, Summer 2020
Camp Eagle Ridge, Mellen, WI

- Designed and implemented lesson plans with a focus on leadership and teamwork, utilizing feedback data to adjust activities for improved engagement.
- Led both physical and educational activities, demonstrating strong interpersonal and communication skills.

Projects

Monetary Policy Impact Analysis Using VAR Model
Applied a Vector Autoregression (VAR) model to assess the impact of monetary policy on inflation, GDP, and unemployment using Federal Reserve data. Conducted scenario analysis to simulate economic effects, enhancing understanding of policy impacts.

Floral Arrangement Data Analysis
Performed statistical analysis on SKU profitability using Excel and R, identifying key drivers of performance. Created visualizations and reports to support marketing and procurement decisions.

College Football Game Data Analysis
Analyzed a large dataset of college football games to identify performance trends and predict outcomes. Applied regression models and data visualization tools to present insights, demonstrating the ability to apply statistical methods to sports analytics.

Skills

- Statistical Analysis (R, Python, Excel)
- Data Management and SQL
- Predictive Modeling and Forecasting
- Data Visualization (Tableau, Matplotlib)
- Report Writing and Analytical Reporting
- Project Management and Problem Solving