DAVID ALMONA

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EDUCATION

Centre College   **2022 – 2026**
Bachelor of Science in Economics & Finance (Major), Data Science (Minor)   *Danville, KY*
- Cumulative GPA: 3.62 | Major GPA: 3.81
- Relevant Coursework: Modern Calculus 1, Econometrics, Intro to Management, Data Visualization, Programming and Problem Solving, Economics of College Sports, Statistical Modeling, Managerial Finance, Data Analysis and Communication.
- Awards: Full Tuition Colonel Scholarship; Combs Achievement Scholarship; 4 x Dean's list

EXPERIENCE

Beats by Dr. Dre   **Mar 2025 – Jun 2025**
Data Analytics: Qualitative & Quantitative Insights Externship | Capstone Project   *Remote*
- Developed advanced data analysis skills by conducting qualitative and quantitative research to uncover customer insights related to Gen Z trends, behaviors, and preferences for audio devices.
- Delivered a comprehensive analysis report summarizing key consumer preferences and sentiment insights to address brand perception challenges in the audio device market.
- Leveraged Python, data science libraries, and natural language processing tools like Gemini AI to perform sentiment analysis and visualize consumer feedback across multiple audio device brands.
- Synthesized insights and presented findings through a detailed data dashboard and visual presentations for actionable business strategies.

LEADERSHIP

Resident Assistant   **Aug 2023 – present**
Centre College, Residence Life Office   *Danville, KY*
- Managed residential community of 20+ students, developing conflict resolution and crisis management skills through mediation of disputes and emergency response protocols.
- Planned and executed 6 community programs per semester, utilizing data from student feedback to improve engagement and foster an inclusive environment.

PROJECTS AND RESEARCH

Centre College Women's Soccer Analytics Dashboard | *RShiny* | *View*   **Sep 2024 – Nov 2024**
- Developed comprehensive analytics dashboard analyzing shot data for Division III women's soccer team.
- Built visualizations showing shot distribution mapping and player performance metrics.
- Presented dashboard at Carnegie Mellon Sports Analytics Conference.

National Olympic Performance: Analyzing Economic, Demographic, and Historical Determinants of Summer Olympics Medal Counts | *Stata* | *View*   **Fall Semester 2024**
- Conducted a panel data econometric analysis of Olympic medal determinants using Stata, analyzing 716 observations across 185 countries from 2008 to 2024, achieving an adjusted R-squared of 0.98.
- Developed and compared multiple regression models to identify key predictors of Olympic success, incorporating fixed effects to control for country-specific characteristics.
- Performed statistical hypothesis testing and addressed violations of classical assumptions, revealing significant impacts of host country status and health expenditure.

Cincinnati Reds Baseball Analytics Student Hackathon | *RStudio* | *View*   **Jan 2025 – Feb 2025**
- Developed a data-driven approach to predict MLB player playing time for the 2024 season, using datasets from Baseball Savant and the Lahman database.
- Designed and implemented statistical regression models to analyze key factors influencing player performance and availability.
- Applied advanced data analysis and feature engineering techniques to create roster-agnostic projections for plate appearances and batters faced.
- Presented results in a structured submission, showcasing an understanding of baseball analytics concepts and statistical modeling.

ADDITIONAL

Languages & Tools: Microsoft Office, SQL, R/Rtudio, Stata, Python, Tableau, Power BI, Git/Github
Activities: Student-Athlete - Track and Field, Academic Honor Roll, 2023 & 2024 • Vice President: Centre Brother-to-Brother club