Montgomery Inman

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EDUCATION

Iowa State University **B.S. Data Science**
GPA: 3.40, Dean's List: Fall 2021, Spring 2023, Fall 2023 May 2024

Relevant coursework: Applied Data Modeling, Data Acquisition and Exploratory Data Analysis, Concepts and Applications of Machine Learning, Categorical & Multivariate Data Analysis, Object Oriented Programming, Probability and Statistical Theory, Intro to Web Programming, Linear Algebra

Elgin Community College **Associate in Arts**
GPA: 3.69, Graduated with Honors May 2021

PROJECTS

@WindyCityStats (R, tidyverse, ggplot2, Data Viz, Social Media) **May 2022 - Present**

- Regularly contributes to the online sports analytics community through @WindyCityStats on X (Twitter), fostering discussion and sharing insights.
- Creates engaging and informative data visualizations with proficiency in R, tidyverse, ggplot2, and other packages to bring sports data to life.
- Actively engages with a diverse community, sparking conversations about interesting sports analytics topics.

Iowa State Basketball Win Predictor (R, Python) **Nov. 2023 - Dec. 2023**

- Collaborated with a team of 3 to develop a predictive model for determining game outcomes.
- Leveraged R for data cleaning, processing and manipulation, while utilizing Python for model development.
- Worked with a comprehensive dataset spanning 20 years of college basketball results and encompassing 79 features.
- Utilized prior basketball knowledge for strategic feature selection, while also employing various statistical techniques, including the removal of multicollinearity and PCA methods.
- Implemented various models including Logistic Regression, Linear Perceptron, Random Forest, and Support Vector Machines. Conducted thorough testing and evaluation to identify the most accurate model.

NBA Draft Model (Python) **Dec. 2021**

- Utilized a data set spanning 10 years of NBA draft combine data
- Applied Linear Regression using Python to forecast NBA draft positions
- Conducted analysis to identify which factors of the draft combine influenced a player's draft stock

OTHER EXPERIENCE

Bartlett Park District, Parks Maintenance **May 2019 - August 2019**

- Managed the cleaning and maintenance of multiple public community pools, ensuring cleanliness before opening.
- Conducted daily testing and data entry of pool pH, making necessary salt adjustments to guarantee safety.
- Undertook various daytime, landscaping tasks including mulching, weed whacking, and pruning, contributing to the appeal of the community
- Assisted in setting up the annual Fourth of July Fest and actively participated in garbage clean up initiatives

SKILLS

Languages: R, SQL, Python, HTML5, CSS

Data Science: Data Visualization, Data Preparation, Statistical Analysis, Machine Learning