Ahmed Cheema

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EDUCATION

Grinnell College   **Grinnell, IA**

Bachelor of Arts, Intended Major in Computer Science, Concentration in Statistics   Expected May 2024

- *GPA:* 3.70/4.00
- *Selected Coursework:* Linear Algebra, Elementary Number Theory, Applied Statistics, Intro to Data Science, Statistical Modeling, Econometrics, Probability & Statistics, Design/Analysis of Experiments

EXPERIENCE

Statistics Grader   **Grinnell, IA**

Grinnell College   January 2022–Present

- Review and grade assignments for a statistical modeling and introductory data science class
- Develop answer keys and rubrics for modeling and data science activities

Data Collector   **Remote**

Pro Football Focus   August 2020–Present

- Record granular data from collegiate football games for further analysis
- Practice teamwork, communication, and time management skills to complete tasks efficiently

Sports Analyst   **New Orleans, LA**

www.thespax.com   November 2018–Present

- Set up and maintain a sports analytics site with over 100 different articles combining for 100,000 views
- Practice statistical analysis, machine learning, data visualization, and writing skills

PROJECTS

Modeling Shot Probability in the NBA (USCLAP First Place Winner)

www.causeweb.org/usproc/usclap/2021/spring/winners   March 2021

- Trained a multiple logistic regression model on detailed tracking data to predict success of an NBA shot
- Worked with a small team to conduct the necessary research and complete the project

Evaluation of NFL Pass Coverage Using Tracking Data

www.kaggle.com/acheema20/evaluating-pass-coverage-through-expected-points   January 2021

- Applied a multinomial logistic regression model to predict the probability of different outcomes
- Used the model to create two separate metrics for evaluating individual pass coverage

Classification of NBA Players with Cluster Analysis

www.github.com/ahmed-cheema/nba-classification   June 2020

- Scraped relevant data and performed dimensionality reduction with principal component analysis
- Performed classification using Gaussian mixture model clustering, visualized data with Python

SKILLS

- Python, R, SQL, Minitab, Excel, SAS, Stata
- Bayesian methods, data cleaning, data scraping, data visualization, machine learning, classification, regression, clustering, dimensionality reduction, feature engineering