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## SUMMARY

Multidisciplinary, driven Data Analyst seeking an entry-level position to utilize skills in data science, statistics, and applied mathematics obtained through relevant coursework at the Rutgers Business School. Obtaining a certificate in Data Science from Rutgers University enables the ability to contribute to a fast-paced, competitive, and professional business environment.

## TECHNICAL SKILLS

**Tools:** SQL, Python, R, VBA, Excel, MongoDB, JavaScript, Tableau, HTML, CSS, Git, Github
**Databases:** Dplyr, Shiny, Ggplot2, Tidyverse, Pandas, Matplotlib, Numpy, Seaborn, API Interactions, JupyterLab,
**Machine Learning:** Algorithmic Trading, Random Forests, k-Nearest Neighbors (kNN), Support Vector Machines (SVM), Linear Regression, Scikit-learn, XGBoost

## EXPERIENCE

**Statistical Analyst Internship** — **Bayer, NJ**
*Oncology Data and Computational Sciences* — June 2022 - Present
- Worked in tandem with the Bayer oncology data and computational sciences' departments on stage I oncological clinical trial data
- Developed a data pipeline that intakes and subsets raw data, implements advanced statistical methods and outputs tumor response and survival rate visualizations as well as advances statistical tables
- Utilized skills in R, R-Shiny, and CSS to develop and deploy a SAS vs R cross validation web application to provide confirmation of properly conducted statistical analysis performed in SAS through the use of automated visualizations and statistical tables that highlight differences between SAS and R outputs

**Teachers Assistant for Computing in Economics** — **Rutgers University, NJ**
*Teachers Assistant* — September 2021 - December 2021
- Completed and graded twenty Python homework assignments and quizzes a week
- Gave feedback and met with students struggling to achieve the minimum requirements to pass the class.
- Weekly meetings with the professor to discuss new ideas and homework problems

## EDUCATION

**Rutgers University** — **Newark, NJ**
*Bachelors of Economics, Minor in Business Administration* — *September 2017 - May 2022*
- **Dean's List:** Fall 2018, Spring 2019
- **Relevant Coursework:** Independent Study in Economics, Extended Independent Study in Economics, Seminar in Economics, Econometrics, Statistics 1, Economics of Inequality, Calculus 2, Money and Banking

**Certificate in Data Science** — **Rutgers University, NJ**
*Rutgers University* — *May 2021 - November 2021*
- A 24-week intensive program focused on gaining technological programming skill sin Excel, VBA, Python, R, JavaScript, Tableau, Big Data, and Machine learning

## PROJECTS

**NYC Real Estate |** https://github.com/sammyschapps87/independent_study
- An independent study at Rutgers University that manipulates New York City real estate data to create a time series model by Borough for changes in housing prices over 18 years.
- Scraped data from NYC department of finance rolling sales file, cleaned and transformed data, created visualizations, ran machine learning regression algorithms, and drew conclusions.
- Python, Pandas, Matplotlib, Seaborn, Numpy, Scikit-learn, BeautifulSoup

**Diabetes Predictor |** https://github.com/vasavdave/Team-Project-04
- A website that predicts if one is diabetic through inputting core health factors related to diabetes.
- Back-end work on machine learning algorithms to find the best predictor of diabetes.
- Python, Pandas, Matplotlib, Numpy, Scikit-learn, Random Forests, Decision Tree, Logistic Regression