**Ed Bowen**

**GW Data Analytics Bootcamp**

**Final Assessment**

**9/29/2021**

## Project Summary

The question we sought to answer is whether proximity to a professional baseball or basketball venue has any effect on the revenues of college athletics programs. The topic was chosen due to the availability of relevant data and personal interest to our team.

Our dataset consists of information from 1,808 colleges and universities whose pages were geotagged on Wikipedia. Exploratory data analysis revealed no correlation between distance from professional teams and revenues for the whole dataset, but notable levels of correlation when the schools are grouped by region. This suggests that the region in which a college is located may be significant factor in determining the revenues for basketball and baseball at that school.

There did not appear to be direct correlation between distance from professional teams and revenues for the whole dataset. Notable levels of correlation exist when the schools are grouped by region suggesting it may be significant factor in determining the revenues for basketball and baseball at a college.

## Team Assessment

Our team consisted of two people, Ean and myself. We worked well together breaking the project workload up to suit our strengths. Each of us contributed to the identification of data sources, collecting and processing the data, analyzing results and developing the presentation of our findings.

Ean displayed an exceptional degree of understanding of both the technologies and methods employed throughout the project. His grasp of the machine learning models and webpage hosting on Heroku were essential to the success of the project. Further, Ean’s initiative and dedication served as the driving force in the completion of the project and the exceptional quality of its results. The success of this effort was due to the quantity and quality of his contributions.

Given the inherent challenges of the assignment and George Washington University’s data analytics bootcamp program as a whole, the mere completion of any form of group project should be deemed an illustrious accomplishment. The numerous obstacles to success did not prevent our team from delivering a quality product that exceeded the standards of the data analytics program.

## Self Assessment

This group project has given me great insight into my strengths and weaknesses in the field of data analytics. My extremely limited experience with machine learning and Heroku did not lend itself to the successful completion of this project. However, my vast experience with databases, programming and presentation did lend itself to project completion. Regrettably, due to the conditions of the program and the assignment, I don’t believe this experience provided me with any supplementary value to my expertise.

This program has introduced me to many new technologies and methods. The limited exposure and cursory tutorials will certainly serve as a foundation for future independent exploration and learning within the field. I look forward to broadening my skillset with continued study in the field of data analytics.