**Project Overview and Responsibilities**

This repository includes my final project for MSBA 5112 (Stats for Business Analytics) at Seattle University. For this project we were challenged with determining if household education levels and community characteristics effect agricultural profits in Ghana, using the Ghana Living Standard Survey 4 from 1998-1999. This was my first collaborative project using R Studio and GitHub, so naturally getting over the initial hump of establishing file and branch structure took time, but eventually turned out uncluttered. Although there are a few things I would like to change with this project, I am thoroughly pleased with the finished product and enjoyed overcoming the many obstacles that came with it!

My primary role within the group was tidying data collected at different levels to be joined for analysis, visualization, and interpretation (see the “02\_sort\_data” file in the “code” folder). This process was a learning experience as I continuously changed and updated the code to be properly explored and later interpreted. Further down the line in the project I contributed most of the code in the “05\_summary\_stats” file to get an overview of how the data was distributed across different categorical variables. After discussing the results with my group, we decided to remove some of the most extreme outliers to see what affect it would have on the results. For a more detailed interpretation of our analysis process and results please the “Statistics Class Seattle University Summer 2020” file in the “paper” folder.

For some background information on myself, I enrolled in this MSBA program because of my interest in demographic and socioeconomic research. After completing this project, all the obstacles and disagreements that arose were worthwhile and has only made me more intrigued with this kind of work. Feel free to reach out if you have any advice or recommended readings for economic analysis projects.