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| Oregon State University |
| Household Income vs. Housing Ownership |
| ST 599 Big Data Project 1 |

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Overview

The American Community Survey (ACS) is distributed each year to a small sample of the population in each state including Puerto Rico. It provides updated information for communities to aid in planning efforts in between the main 10-year census survey. The ACS collects social, economic, housing and demographic data. This report will focus on the economic and housing information for each state.

*Question of Interest:*

*How different are the mean household incomes for different household ownership (i.e. own with a mortgage or loan, own free and clear, rented, or occupied without payment of rent) -in the US? By state?*

Findings

Obstacles and Solutions

* Problem: Miss match between local file and global (shared) git repo. I couldn’t pull branches because I had committed changes that I didn’t push so my local drive was one commit ahead. The files weren’t able to merge. Solution: Delete my local connection to the global (shared) git repo and create a new project with version control. Basically start from the beginning. Then I can copy/paste my changes > commit > and push.
* Problem: Automating the downloading process of each state from the web. Solution: Found a big US file already combined. New Problem: there are 4 csv files that make up the big US file. We now need to merge. Solution: Mac computers can merge in command line. Problem: 1 mac and 3 windows based computers in group. Solution: write.csv file that was cut and modified using a mac then copied to the windows computers.

Future Work

-additional questions

* Can get summaries per state based on year
* Differences between each of the 4 household ownership