Yukun He

MA 681

EDA Project

Individual description

In this project, our group studies the distribution of cooling degree days weekly total data of Florida during 2008, 2011 and 2014. We choose Florida as its higher demand for cooling throughout the year compared with other states in the US. Also, the data from Florida is mainly above zero, which is convenient for observation. Each year dataset includes 52 weeks of data. Comparing with monthly data, weekly data has larger amount of data which better represents the variation trend over a relatively long period of time.

In this project, I am responsible for several aspects. Firstly, I wrote the code about data aggregation and loading and shared it with my group members. After that, when my teammates were working on visualization, I discussed with them about their directions of coding such that I can get prepared about my analysis of their graphs. When we came up with all the graphs we needed, I started to write comments in their code to make it more readable for readers. I also wrote the summary of our project, including an introduction of our ideas and project, an analysis of all the outcomes, a possible but reasonable conclusion of our research, and an interpretation of the conclusion. After I finished, I sent my summary to the teammate who was in charge of the final knit outcome. She distributed my article into different parts of our code, so that our final product can be more easily interpreted.