Project1 - Jimmy Wrangler, Data Explorer

I choose the agriculture as my industry for the project. I also obtain the public data sets, the yearly average precipitation of the U.S., the yearly rice production of the U.S., and average rice price, from the website*,* https://www.data.gov/food/.

From the graph on panda data frame, we can easily see that the rice production increases as the precipitation increases. In the meanwhile, the price of the rice decreases while the rice production increases. For example, the average precipitation of the U.S. in 2014 was 35.12 inch, and the rice production in 2014 was 220.30 million metric tons. Due to the rice harvest, the price of the rice drops a lot this year. It was only 68 cent per pound, and which is the cheapest price since 2009. Hence, it is easy to predict that the price of the rice would increase once the precipitation is lower than the average. The government could import more rice from other countries in advance to stabilize the market price of the rice if the precipitation is going to be lower than the usual by the prediction. In contrast, the price of the rice would decrease significantly if the rice production is much more than the usual. The government then can take the action and start buying the rice from the domestic rice farmers to maintain the market price of the rice so rice farmers could still have the good income.

Work Cited

The public data sets of yearly average precipitation, rice production, and the price of rice are obtained from the website, *https://www.data.gov/food/.*