**Capstone Project: Income vs Housing in Los Angeles County**

There are many issues that can be looked at related to housing and income. In this project, I want to look at is the price of housing (homes and apartments) in Los Angeles County and compare them to the income for people in that county. I also want to see if the recent law set to increase the minimum wage to $15 an hour by 2020 would make housing more affordable for those working at the minimum wage based on predicted housing prices for that year.  
 A client that would be interested in this research would be any organization related to the Movement for $15 campaign. If it turns out that the predicted housing prices in 2020 for Los Angeles County do not become any more affordable or become less affordable than they are currently, the movement should aim for a higher minimum wage in 2020.  
 I will be using average monthly income, average annual income, and average changes in the wages for all industries combined for a given year. I will also add a column for these values based off the current minimum wage and a 40 hour work week. The wage data will come from the Bureau of Labor Statistics website. I will also acquire data from Zillow.com. I will use Zillow’s API to retrieve the median housing prices, average monthly rents, and average mortgage costs for a given year. I will also need historical data for the minimum wage which can be found on the State of California’s website.   
 I will solve the problem by building a linear regression model that will predict the average and median housing prices for Los Angeles County starting in 2020. I will compare this to a linear regression model that predicts the average wages for all employees in the county by 2020. I will also build a linear regression model for the minimum wage earner that shows the minimum wage from current and past levels until the year 2020. I will need to compare wage related to housing prices for each year to see if affordability for the average employee and the minimum wage earner is increasing, decreasing, or staying the same.  
 My deliverables will be linear model plots showing wages and housing prices over the years. The coding for the work with this data will be provided on GitHub. I will build a slide presentation talking about different aspects of this project, the average wages, the minimum wages, the average or median housing prices. I will include additional models, tables, and expository text as needed to explain the problem.