Attached is a file (zipped) which provides employment status of US. Visit http://www.bls.gov/lau/ to know more about the survey from which the data is obtained.

The idea of this project is to recall the topics covered in the class. However there might be certain things which were not covered in class which you can crack with the help from internet.

1. Read the csv file and check the data types. Note that certain columns has numbers with commas in between which might have been read as a non-numeric data type. You can't just convert the data type; it will then have junk numbers. You have to remove commas.
2. Which Area had the highest unemployment rate in December 2015?
3. Which area had the highest ever unemployment rate and when did that happen?
4. Which state had the highest ever unemployment rate and when did that happen?
5. Obtain Yearly Unemployment rate by aggregating the data. One way would be to take average of unemployment rate column directly. But that's not mathematically right. You need to sum up the Unemployed and Civilian labor force by Year and then calculate the ratio for calculation of Unemployment rate
6. Repeat a similar aggregation as previous point for State Level unemployment rate
7. Plot the histogram and boxplot of unemployment rate
8. Compare the boxplot distribution of unemployment rate between top 4 states with highest civilian labor force
9. Visualize the relationship between civilian labor force and unemployment rate using scatter plot
10. Draw line plot of yearly unemployment rate of US (Year in xaxis and unemployment rate of US in yaxis)