Problem 1 (20 Points)
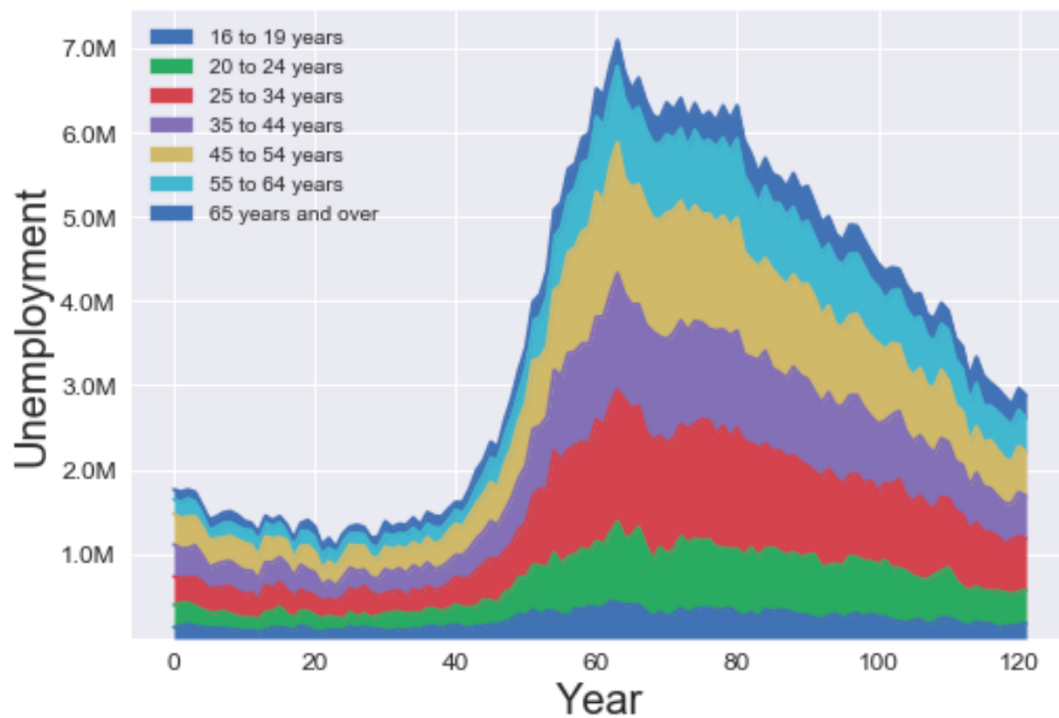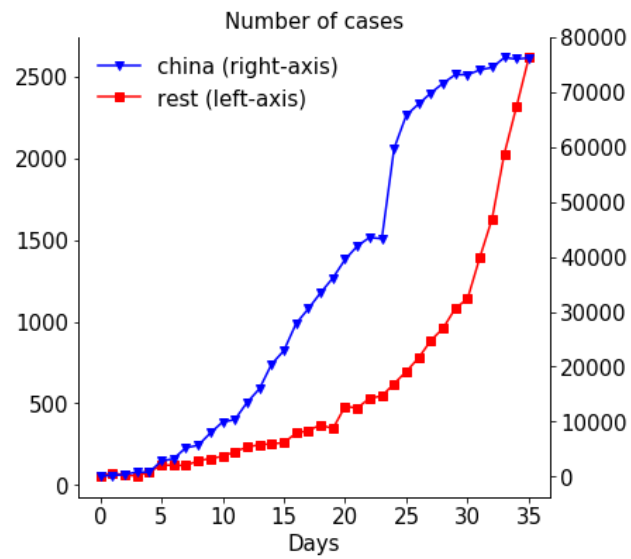
You are given " monthly_unemployment_by_ages.csv" file which contains Unemployment data. Plot stacked area plot of unemployment splitted by age as a function of year. Set x and y-axis label fontsize as 20.

```
problem1("monthly_unemployment_by_ages.csv")
```

Problem 2 (20 Points)

You are given " corona_china_vs_rest.csv" file which contains the number of corona virus cases for china and the rest of the world. Using this data, plot the figure given below. Also save this figure as a png file.

Problem 3 (20 Points)

You are given "phd_by_field.csv" file which contains the number of PhDs awarded in US by year. Use this file as an input and produce below figure for yearly total number of PhDs for each broad field. For the figure apply the following details:

- Figure size should be 10x8 inches
- But y-labels as the field name
- For y-ticks of each subplot put only minimum and maximum values. Truncate these numbers to nearest hundred like 2245 to 2200, or 3980 to 3900

```
problem3("phd_by_field.csv")
```