Lab 3 Report

BUSINESS INTELLIGENCE

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In this lab we are given with the data which consists of the fund investments of different companies in different countries in a period from 2006 to 2015. Here we are having two major tasks to be completed which boss has given to us. They are

1. To plot a graph which shows the amount of fund investment from NORDEA in Sweden.
2. To plot a graph which shows the percentage of funds invested in Sweden over rest of the countries.

After completion of these tasks, boss wants these two plots in a same graph on a quarterly basis. Finally, when the work is completed, graph looks as below.
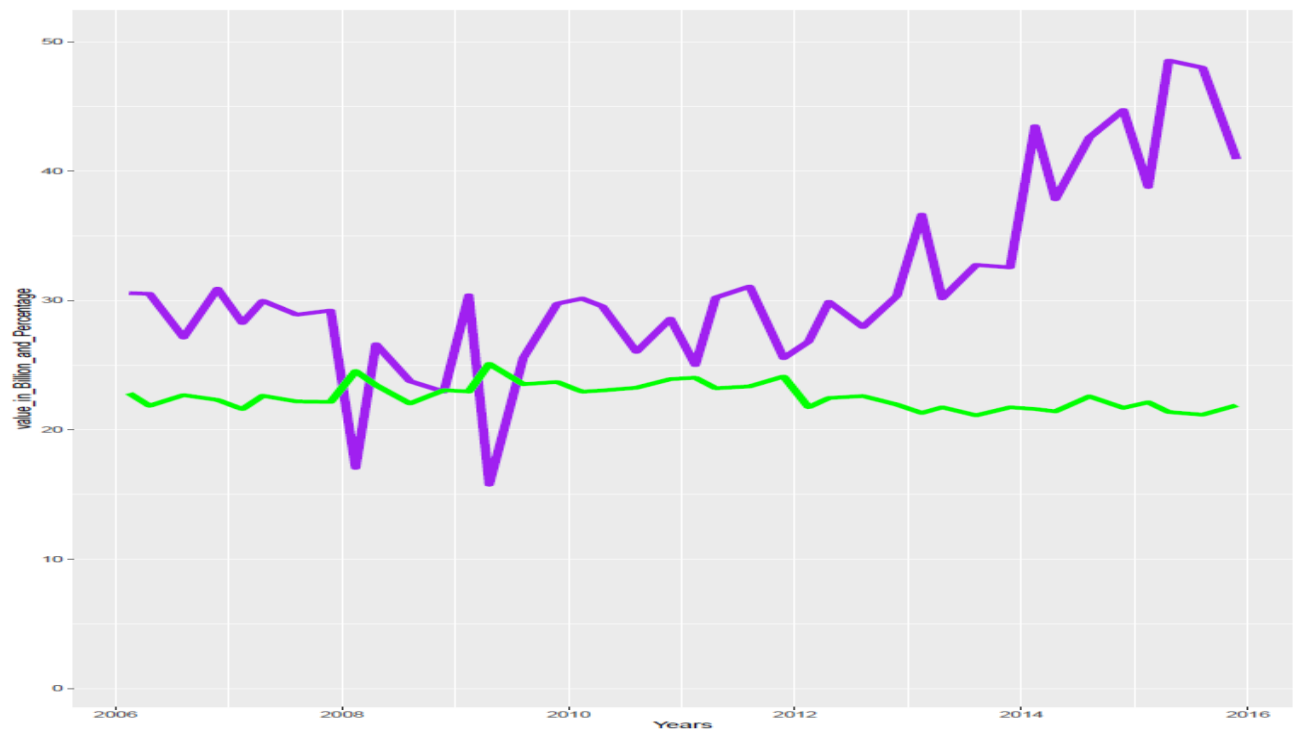

Fig: Funds of Nordea in Sweden and ratio of investment

Purple line [＿＿＿＿] indicates the fund investment (market) values of the NORDEA in Sweden.

Green line [＿＿＿＿] indicates the percentage of fund investment of Swedish companies.

NOTE:

- Purple line is the investments in Billions (Quarterly).
- Green line is the percentage ranging from 0-100. To make the graph more general only up to 50% is considered and rest is cropped (Quarterly).

The overall process involves:

1. Data extraction.
2. Data cleaning.
3. Data manipulation.
4. Data representation.

We start this with the 1st task. For this task we have taken the data of fund investment values of NORDEA only in the Sweden and plotted the graph with purple line. Here we should not consider the other companies' values for this. From the graph we can say that the investment of NORDEA in Sweden is noticeably increased from 2006 to 2015.

For the 2nd task we have taken the percentage of investment of Swedish companies and plotted the graph with green line. In order to obtain the percentage, we consider the companies with investment only in Sweden, over all the countries in the time period from 2006 to 2015.

Once we got both the plots, we are representing both the plots in a single graph as boss required.