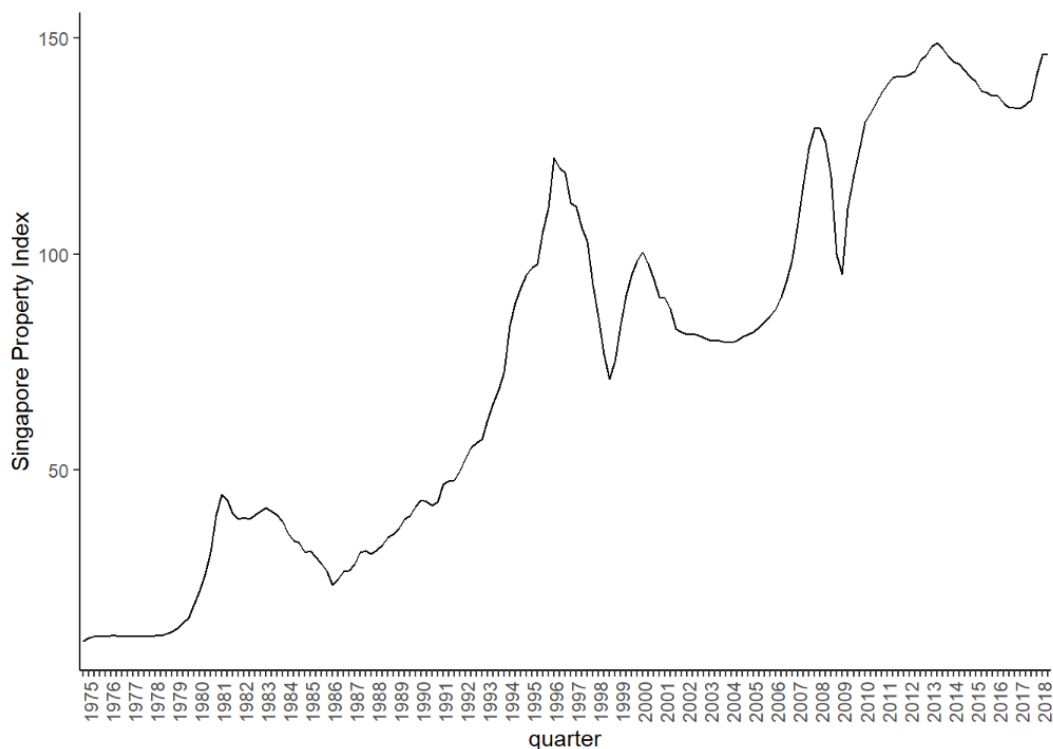


Assignment 4 – Advanced Data Visualisation

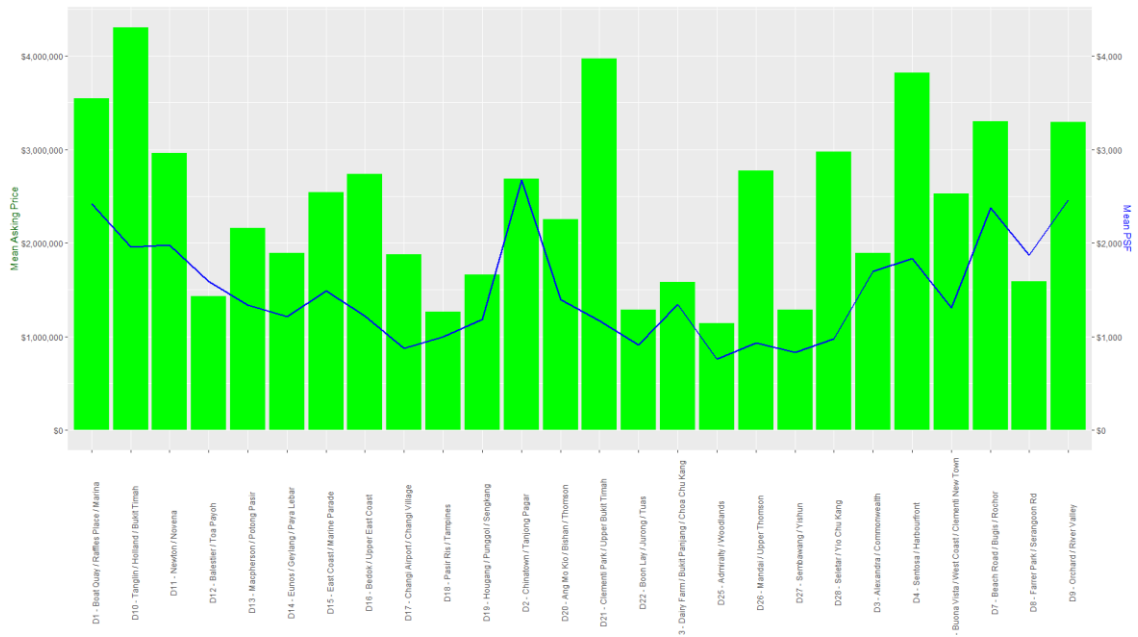
Q1. Download “by-type-of-property-base-quarter-2009-q1-100.csv” from LumiNUS and plot a line chart of Singapore property index against time. Note that there are four quarters per year. You need to show only the year in the first quarter. For example, suppose there are four data point in Year 1990: 1990-Q1, 1990-Q2, 1990-Q3, and 1990-Q4. You **only need to show “1990” in the x-axis for what is supposed to be “1990-Q1”** and leave the x-axis labels empty for the rest of the quarters. The result should be something similar to:



Q2. Show the comparison **of average property asking price** and PSF of Singapore property market over districts simultaneously on one plot. (Do clean the data before plotting)
You may use secondary axis technique introduced in

<https://stackoverflow.com/questions/3099219/plot-with-2-y-axes-one-y-axis-on-the-left-and-another-y-axis-on-the-right>

The result should be something similar to:



Q3. Watch my video on plotting map with borders. Plot a map view of GDP per capita using data in countries.csv. The result should be something similar to:

