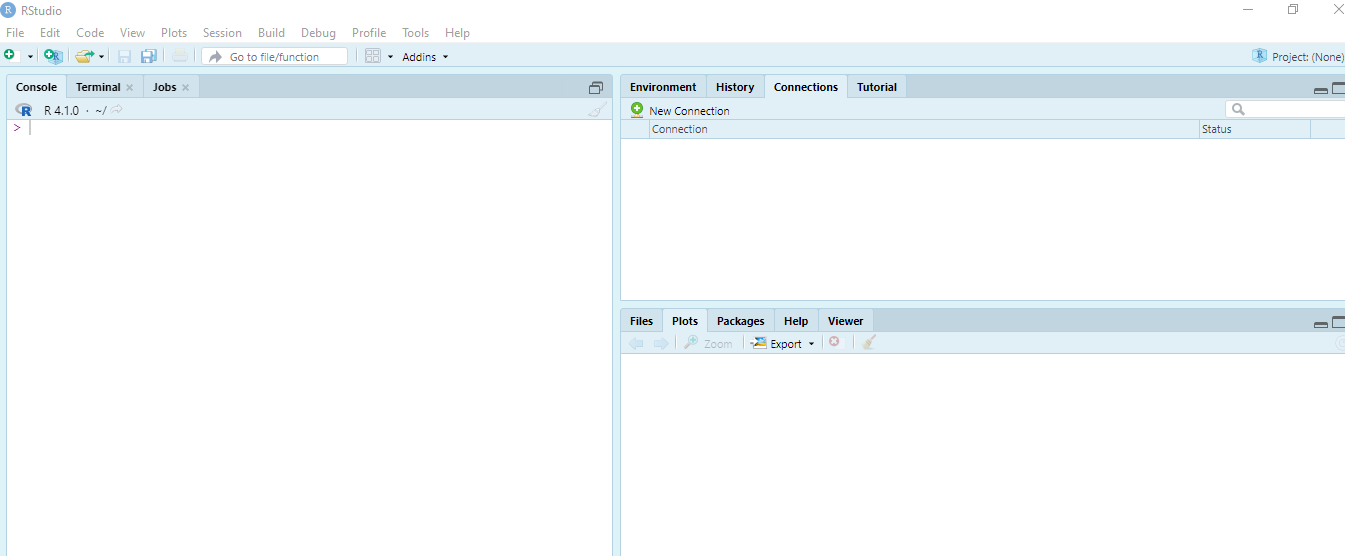
**STUDENT NAME**

**REG NUMBER**

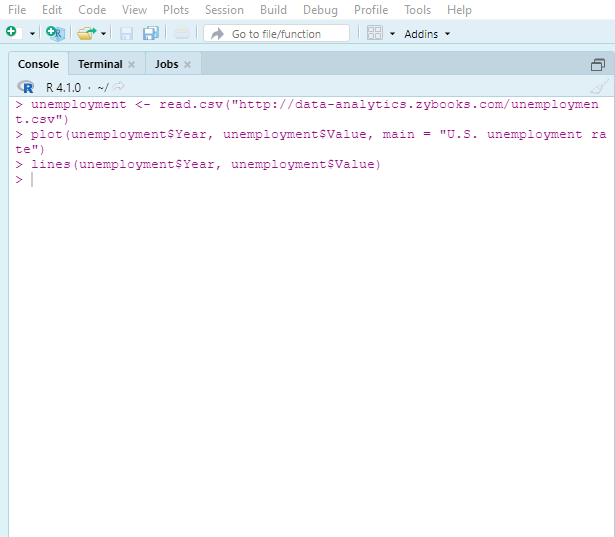
**STEP ONE**

**Opening the Studio application**

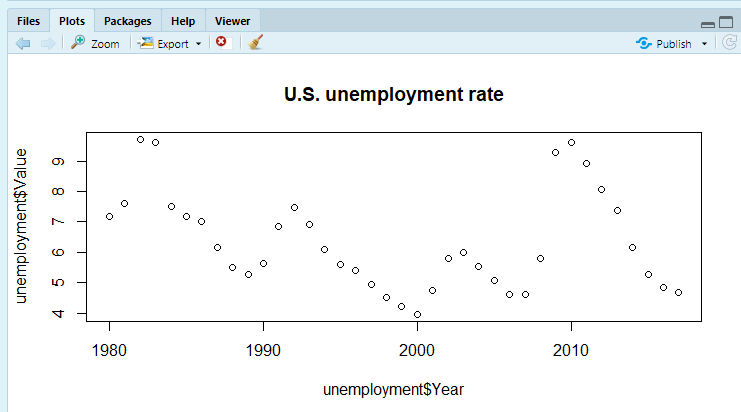


**STEP TWO**

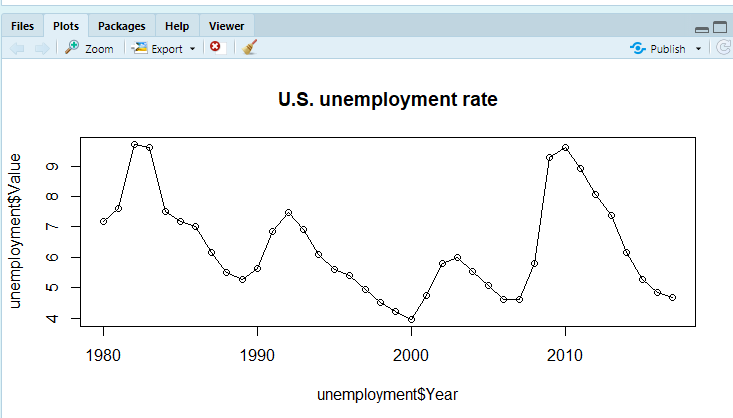
**Plotting the unemployment graph**



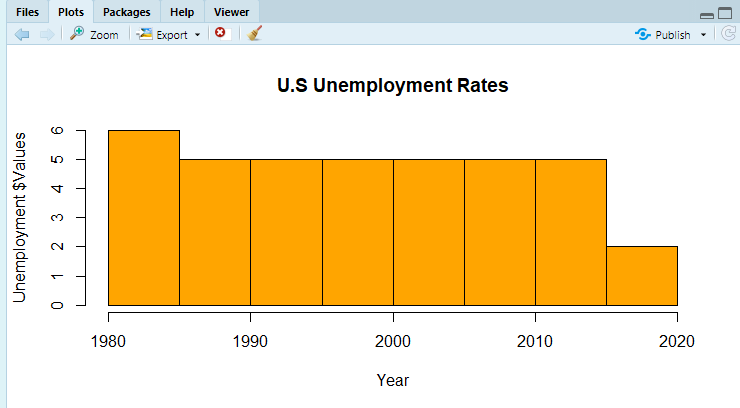
1. **Scatter plot**

****

1. **Scatter and line plot**



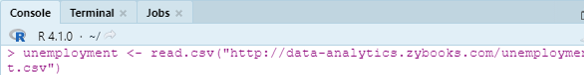
1. **Plot bar chart**

****

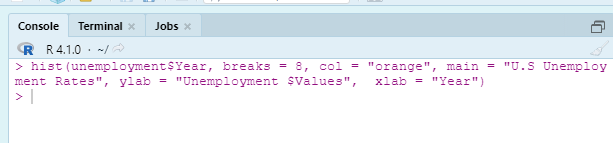
**REFLECTION AND DISCUSION**

In this assignment, I have fully understood the underlying capabilities of R and Studio development environment, upon which I have realised that this is a tool that can be used across cross functional and organizational analysis. The analyses drawn from these visualisations s will help teams and departments make meaningful derivations from their datasets. Some of the code if found interesting during this activity were:

* The ability to assign a variable from dataset and just like that be able to call this variable anywhere in the program toe execute the code



* The ability to visualise datasets based on calling inbuilt functions within R to visualise your data

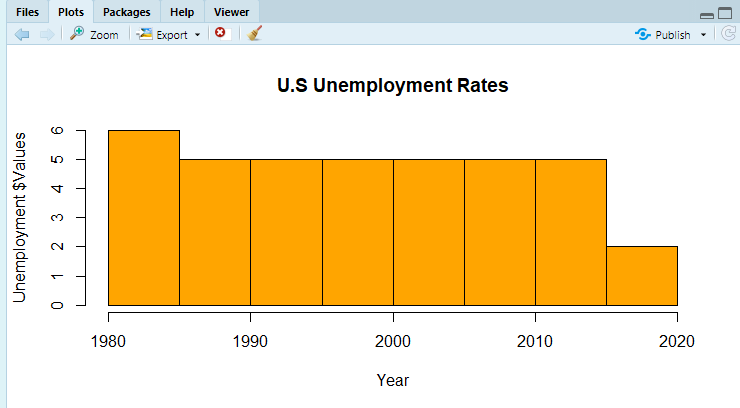


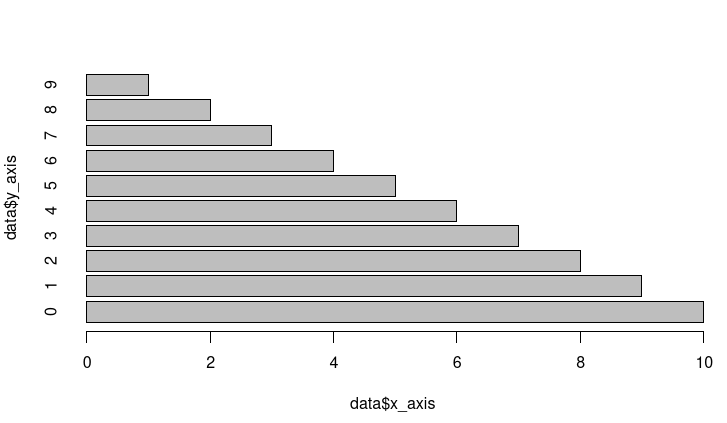
Based on the experience had with this software, it is easier to use for all skilled and new entry juniors who may not have a background to understand data and statistical visualisations, this is because the inbuilt functions are easier to call and utilise just by assigning the variable names and utilizing the inbuilt methods. I would most certainly recommend this tool to my manager because of its ease of use and the ability to visualise datasets from remote servers and with less tussle.

**Week Two**

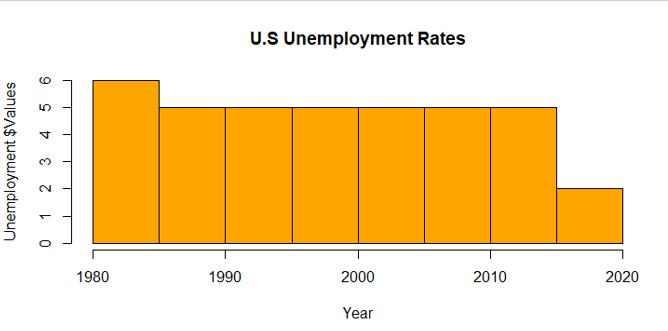
**Step 1**

* Vertical and horizontal charts

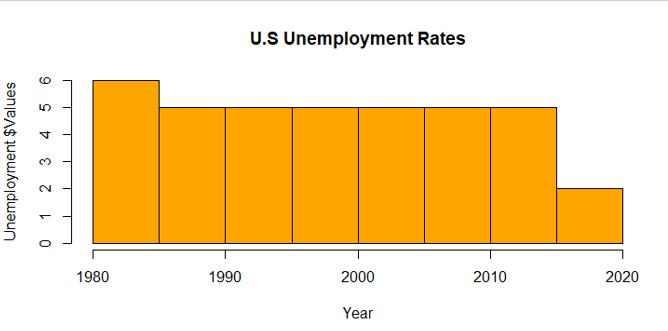
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**Step 2**

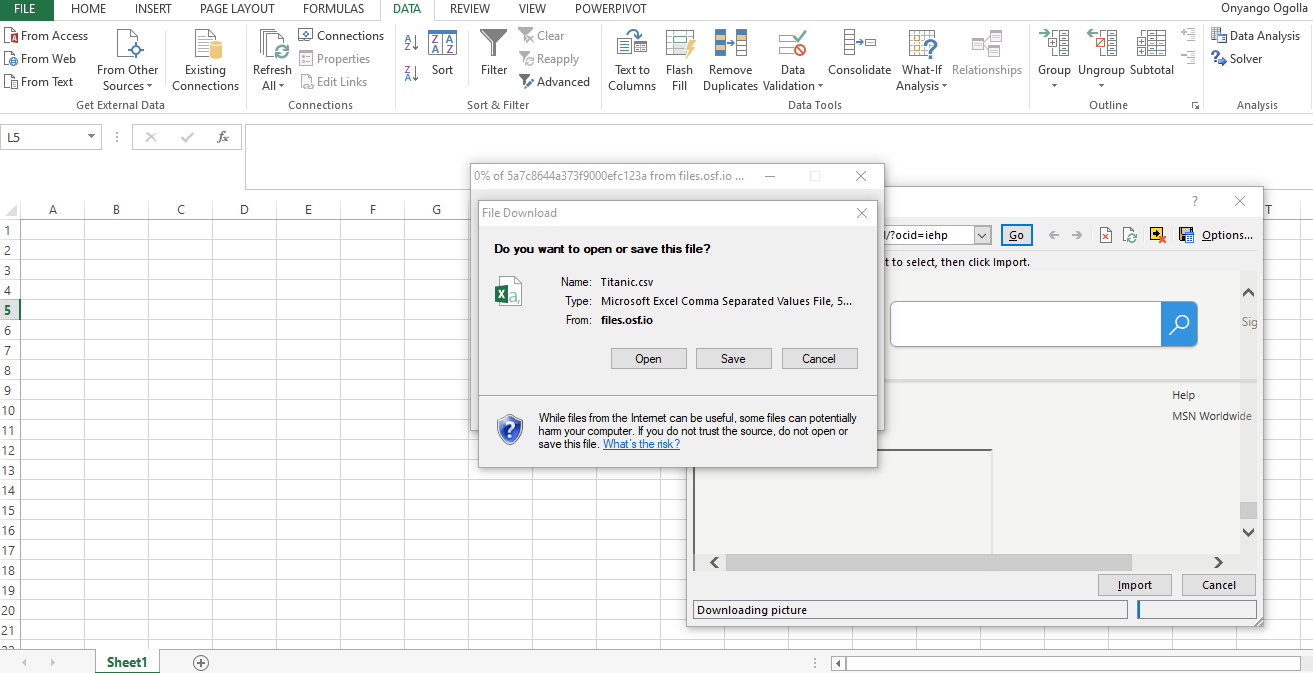
****

**Step 3**

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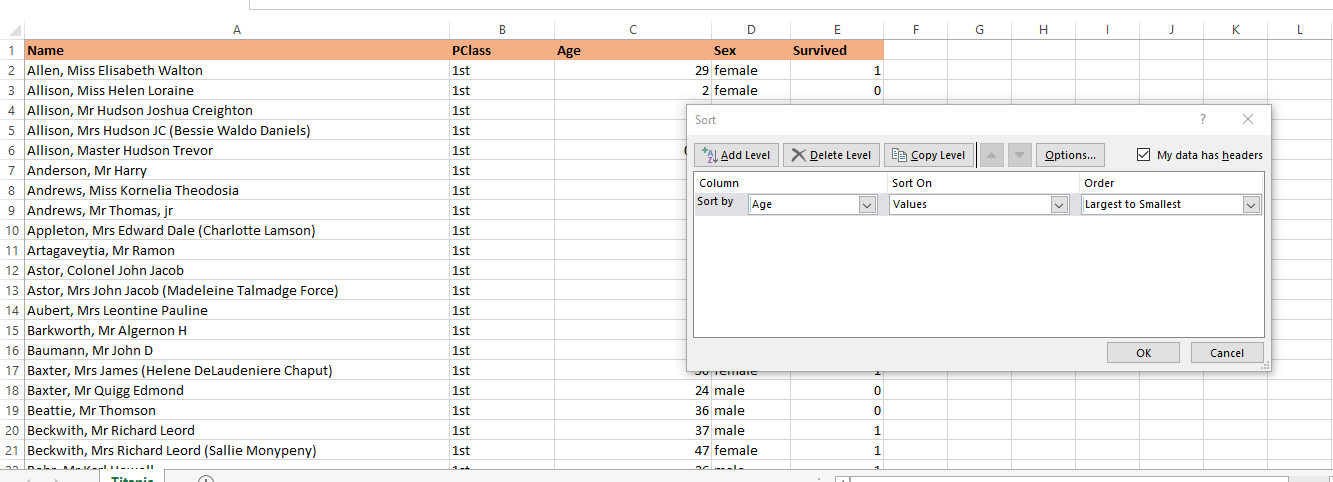
**Step 4**

**Importing Titanic dataset**

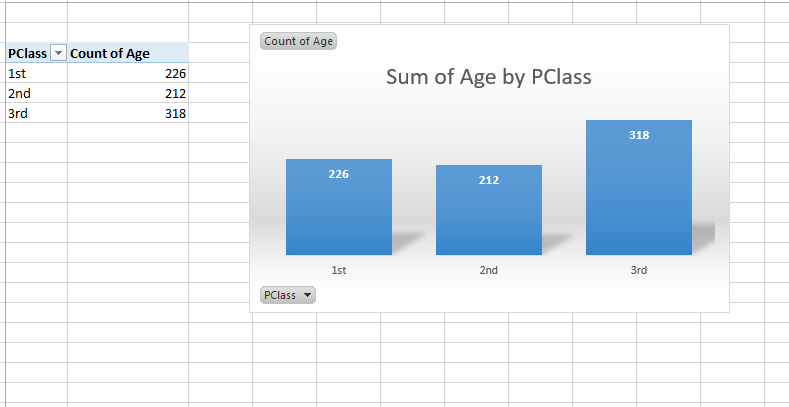
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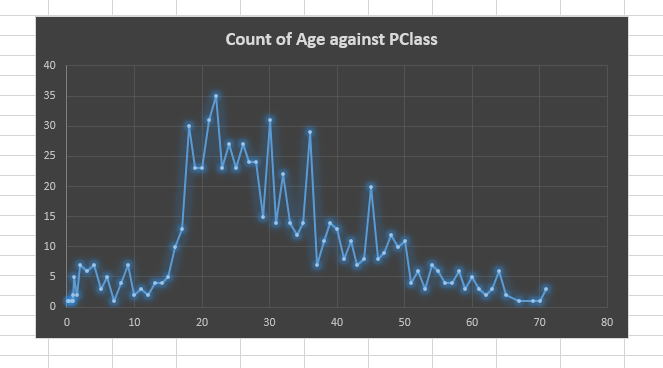
**Step 5**

**Sort Data**

****

**Step 6**

****

****

**Step 7**

**Comparison of Excel and Rstudio**

|  |  |
| --- | --- |
| **Rstudio** | **Excel** |
| Difficult to learn | Easier to learn |
| Most suited for statistics | Its multipurpose |
| Requires programming knowledge | Does not require programming knowledge |
| Must install R for Rstudio to work | Does not require any language only office installation |
| Can preview charts with clicks | Has inbuilt chart functions to call in the R code |