

### **Learning Outcomes**

At the end of the session, you will be able to:

- Using sample datasets from library
- Visualizing basic plots- Pie Charts, Box plots, Histogram, Scatterplots, Bar chart, Line Graphs

### **Activity**

1. Using the same external files as in Lab7. Improvise the report that you have made by utilizing the visualization that you have learnt in Lab8a to support the observation/insight that you have written. Create at least TWO different types of plots/charts/graphs.
2. Choose any one of the built-ins datasets in R (sample as image below) and utilize the visualization that you have learnt in Lab8a. Use the visualization to tell story about the dataset that you choose. As example, if you choose 'BJsales', imagine that you will be presenting the visualization to the Sales Manager on the performance of the sales.

```
Data sets in package 'datasets':  
AirPassengers      Monthly Airline Passenger Numbers 1949-1960  
BJsales            Sales Data with Leading Indicator  
BJsales.lead (BJsales) Sales Data with Leading Indicator  
BOD                Biochemical Oxygen Demand  
CO2                Carbon Dioxide Uptake in Grass Plants  
ChickWeight        Weight versus age of chicks on different diets  
DNase              Elisa assay of DNase  
EuStockMarkets    Daily Closing Prices of Major European Stock Indices, 1991-1998  
Formaldehyde       Determination of Formaldehyde  
HairEyeColor       Hair and Eye Color of Statistics Students  
Harman23.cor       Harman Example 2.3  
Harman74.cor       Harman Example 7.4  
Indometh           Pharmacokinetics of Indomethacin  
InsectSprays        Effectiveness of Insect Sprays  
JohnsonJohnson     Quarterly Earnings per Johnson & Johnson Share  
LakeHuron          Level of Lake Huron 1875-1972  
LifeCycleSavings   Intercountry Life-Cycle Savings Data  
Loblolly           Growth of Loblolly pine trees  
Nile               Flow of the River Nile  
Orange             Growth of Orange Trees  
OrchardSprays      Potency of Orchard Sprays  
PlantGrowth         Results from an Experiment on Plant Growth  
Puromycin          Reaction Velocity of an Enzymatic Reaction  
Seatbelts           Road Casualties in Great Britain 1969-84  
Theoph              Pharmacokinetics of Theophylline
```

### **Submission**

- Submit to your GA.