

1. Continuous Numeric Data

ID	Age	Height	Weight
1	25	175	70
2	30	180	80
3	28	170	65
4	35	165	75
5	40	185	90

- ☐ Create a scatter plot between Age and Weight.
- ☐ Generate a histogram of Height.
- ☐ Plot a line chart showing changes in Weight over IDs.
- ☐ Create a box plot of Age.
- ☐ Create a density plot of Height.

R Program:-

Data

```
id <- c(1, 2, 3, 4, 5)
```

```
age <- c(25, 30, 28, 35, 40)
```

```
height <- c(175, 180, 170, 165, 185)
```

```
weight <- c(70, 80, 65, 75, 90)
```

Scatter plot between Age and Weight

```
plot(age, weight, main="Age vs Weight", xlab="Age", ylab="Weight", pch=19)
```

Histogram of Height

```
hist(height, main="Histogram of Height", xlab="Height", breaks=seq(min(height), max(height),  
length.out=6))
```

Line chart showing changes in Weight over IDs

```
plot(id, weight, type="l", main="Line plot for the Weight Changes over IDs", xlab="ID",  
ylab="Weight")
```

Box plot of Age

```
boxplot(age, main="Box Plot of Age", ylab="Age")
```

Density plot of Height

```
plot(density(height), main="Density Plot of Height", xlab="Height")
```





