

## Lab Exercise 1:

### a) Introduction to R

Kindly read the book “R for Data Sciences” <https://r4ds.had.co.nz/>

### b) Installation of R

Kindly use this link for R software download <http://ftp.heanet.ie/mirrors/cran.r-project.org/>

- Installed.

### c) Installation of RStudio

Kindly use this link for RStudio download <https://rstudio.com/products/rstudio/download/>

- Installed

### d) Interacting with R by doing some arithmetic operations

Addition:

```
> a = 34
```

```
> b = 12
```

```
> a + b
```

```
[1] 46
```

Subtraction

```
> a - b
```

```
[1] 22
```

```
> a % b
```

Error: unexpected input in "a % b"

Modulus

```
> a %% b
```

```
[1] 10
```

Division

```
> 24 %% 4
```

```
[1] 0
```

```
> 24 %% 5
```

```
[1] 4
```

Division

```
> 24 / 4
```

```
[1] 6
```

Floating Point Division

```
> 24 / 5
```

```
[1] 4.8
```

```
>
```

Kindly read the pdf “Thiyagarajan – Introduction to R Book” enclosed

### e) Introduction to R Data Types

- Vectors

- Arrays

- Matrices

Kindly read the pdf “Thiyagarajan – Introduction to R Book” enclosed.