Logic operators in R

- ! NOT

- && AND

- || OR

- == EQUAL

- != NOT EQUAL

Conditional statements

- If

- if-else

- Ifelse

- Which

- switch

```r
if (condition to be satisfied){
   evaluate this
}

Example:

x<-10
if (x==10){
   print(x)
}
[1] 10
```

- **if - else**

```
if (condition){
  evaluate this
}else{
  otherwise do this
}
Example:
x<-5
y<-4
if(x==5&&y==4){
  print("Wrong Number!")
}else{  print("You did it correct!")}
[1] "Wrong Number!"
x<-5
y<-7
if(x==5){
  if(x==7){
    print('Correct answer')
  }else{print('try again')}
}
[1] "try again"
```

ifelse - works with vectors

```
ifelse(condition, do this if con
this if not)
Example:
employees<-c("jack","Jill")
salary<-c(89000,75000)
d<-data.frame(employees,salary,s
FALSE)
d$costly<-ifelse(d$salary>80000,
d
  employees salary costly
1      jack  89000      1
2      Jill  75000      0
```