

MDA102-Statistical meth

Day 8, 07 July 202
6.30 AM – 8.30 AM
Dr Sharon Varghes

MISSION

CHRIST is a nurturing ground for an individual's holistic development to make effective contribution to the society in a dynamic environment

VISION

Excellence and Service

Loops – contd...

while loop

- syntax is

```
while (condition) {  
    do this  
}
```

- while loop can be used for iteration if a condition is true
- illustration

```
i<-1  
while (i<=5) {  
    print(i)  
    i<-i+1  
}  
[1] 1  
[1] 2  
[1] 3  
[1] 4  
[1] 5
```

Loops – contd...

- Repeat loop
- Iterate for a number of time and exit the loop if condition is met

```
i<-0
repeat{
  print(i)
  i<-i+1
  if(i>=6) {break}
}
[1] 0
[1] 1
[1] 2
[1] 3
[1] 4
[1] 5
```

Loops – contd...

break and next

break is used to exit the loop in R program and next is used to skip the current iteration and go back to the beginning of loop for next iteration.

```
x<-list(c(4,5,4),c('Denita','Johan','Helena'))
for (l in x) {
  if(class(l)=="character") {
    next #if a member of the list is a character
iteration is terminated and go back to the beginning of loop
  }else{print(mean(l))}
}
[1] 4.333333
[1] 2.5
```