

# Some useful functions

- There are a few other functions we'll use when we simulate data - there include `seq()` and `rep()`
- `seq()` will generate a sequence from one number to another - you can also specify the number to increment the sequence by. You can map this onto a new variable...

```
> seq(from = 1, to = 10, by = 1)
```

```
[1] 1 2 3 4 5 6 7 8 9 10
```

```
> seq(from = 1, to = 10, by = 2)
```

```
[1] 1 3 5 7 9
```

- `rep()` stands for replicate and allows you to replicate elements in a vector a certain number of times:

```
> rep(1:5, times = 2)
```

```
[1] 1 2 3 4 5 1 2 3 4 5
```

- You can also embed one function within another:

```
> rep(seq(from = 1, to = 10, by = 2), times = 2)
```

```
[1] 1 3 5 7 9 1 3 5 7 9
```