

# Data Production

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## Select $n$ from $N$ Random Numbers

Suppose that you want to select ( $n=$ )10 individuals from ( $N=$ )736 individuals.

```
> sample(736,10)
```

```
[1] 690 620 48 384 534 437 216 731 68 448
```

## Randomly Allocate $N$ Individuals

Suppose that you want to randomly (and evenly) allocate 24 individuals to 3 treatments.

```
> ( alloc <- sample(24) )
```

```
[1] 2 6 21 9 14 15 4 3 22 11 5 13 18 19 16 7 17 1 12 20 8 24 23 10
```

```
> alloc[1:8]
```

```
[1] 2 6 21 9 14 15 4 3
```

```
> alloc[9:16]
```

```
[1] 22 11 5 13 18 19 16 7
```

```
> alloc[17:24]
```

```
[1] 17 1 12 20 8 24 23 10
```