

R_intro_5



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IF

```
> if (x==0) {  
>     print("zero")  
> } else if (x>0) {  
>     print("positive")  
> } else {  
>     print("negative")  
> }
```

FOR

```
for(variable in sequence) {  
  statements  
}
```

```
> for (ii in 1:5) {  
>   print(ii)  
> }
```

```
> for (ii in 1:5) {  
>   2^ii  
>   print(ii^ii)  
>   x <- ii  
> }
```

Your turn

use both `for` and `if`

- 1) load data `flow_data.txt` and explore
- 2) get summary statistics (`summary`, `quantile`)
- 3) print 75th quantile of all columns (`for`)
- 4) print 75th quantile of selected columns (e.g. `'CD19'`, `'CD20'`) only (`if`, `colnames`)
- 5) get data with value \geq 75th of selected columns

Your turn

use both `for` and `if`

- size and shape of data? Can you open them in other program on your computer?
- how to subset the data?
- select column based on variable
- where can we go without `if` and `for`?
- plotting the results
- nicer output with `paste`

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