

# functions

## 0.1 Library

```
library(tidyverse)
```

## 0.2 Data

```
df <- data.frame(  
  name = c("Mary", "Bobby", "Lizzy", "Tom"),  
  age = c(30, 26, 19, 45),  
  gender = c("F", "M", "F", "M")  
)  
df
```

	name	age	gender
1	Mary	30	F
2	Bobby	26	M
3	Lizzy	19	F
4	Tom	45	M

## 0.3 For Loop

```
nrow(df)
```

```
[1] 4
```

```
for (i in 1:nrow(df)){  
  if (df[i,]$age < 30)  
    print(paste(df[i,]))  
}
```

```
[1] "Bobby" "26"    "M"  
[1] "Lizzy" "19"    "F"
```

```
# alternatively you could just filter  
filter(df, age<30)
```

```
   name age gender  
1 Bobby  26      M  
2 Lizzy  19      F
```