# Using data in ${\sf R}$

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- Vector
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Data frame

# Changing the order of levels of a factor

#### You have:

my\_factor1
## [1] A A B B C
## Levels: A B C

#### You want:

my\_factor2
## [1] A A B B C
## Levels: C B A

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## Changing the order of levels of a factor

### You have:

#### You want:

```
my_factor1
## [1] A A B B C
## Levels: A B C
```

#### my\_factor2 ## [1] A A B B C ## Levels: C B A

#### You do:

```
## Using base:
my_factor2 <- factor(my_factor1, levels(my_factor1)[c(3, 2, 1)])
my_factor2
## [1] A A B B C
## Levels: C B A</pre>
```

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## Changing the order of levels of a factor

```
You have:
                                                                You want:
                                                        my_factor2
my_factor1
                                                         ## [1] A A B B C
## [1] A A B B C
## Levels: A B C
                                                         ## Levels: C B A
                                     You do:
       ## Usina base:
       my_factor2 <- factor(my_factor1, levels(my_factor1)[c(3, 2, 1)])</pre>
       my_factor2
       ## [1] A A B B C
       ## Levels: C B A
```

Note: the order of levels influences the output of linear models and plotting functions (e.g. order in the legend of a ggplot) ...

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## Changing the levels of a factor

#### You have:

### You want:

```
my_factor1
                                                         my_factor2
## [1] A A B B C
                                                         ## [1] A A A A D
## Levels: A B C
                                                         ## Levels: A D
```

#### You do:

```
## Using base:
levels(my_factor1)
## [1] "A" "B" "C"
my_factor2 <- my_factor1
levels(my_factor2) <- c("A", "A", "D") ## in same order!</pre>
my_factor2
## [1] A A A A D
## Levels: A D
## Using dplyr:
my_factor2 <- recode(my_factor1, A = "A", B = "A", C = "D")</pre>
my_factor2
## [1] A A A A D
## Levels: A D
```

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