Clase 1.1 Estructuras de datos

Marcos Rosetti y Luis Pacheco-Cobos Estadística y Manejo de Datos con R (EMDR) — Virtual

- · Son vectores cuyos valores están organizados en categorías.
- · Las categorías se llaman *levels* y son valores de texto.
- · Esta nueva capa de información es útil para calcular estadísticos descriptivos.

· Construcción de un factor

```
## [1] "March"
                      "April"
                                   "January"
                                                 "November"
                                                              "January"
                                                                            "September"
## [7] "October"
## [13] "November"
                      "September" "November"
                                                 "August"
                                                              "January"
                                                                            "November"
                                                              "July"
                      "February"
                                   "May"
                                                 "August"
                                                                            "December"
## [19] "August"
```

· Construcción de un factor

```
fmons <- factor(mons)
fmons

## [1] March April January November January September October
## [8] September November August January November November February
## [15] May August July December August
## 11 Levels: April August December February January July March May ... September</pre>
```

· Ahora removamos April

```
fmons <- fmons[which(fmons != "April")]
fmons

## [1] March January November January September October September
## [8] November August January November November February May
## [15] August July December August
## 11 Levels: April August December February January July March May ... September</pre>
```

· ¿Qué pasa con April?

```
table(fmons)
## fmons
              August December February
##
      April
                                            January
                                                         July
                                                                  March
                                                                              May
                     3
## November
               October September
##
levels(fmons)
   [1] "April"
                    "August"
                                "December"
                                            "February"
                                                        "January"
                                                                    "July"
   [7] "March"
                                            "October"
                    "May"
                                                        "September"
                                "November"
```

· ¿Y ahora?

```
fmons <- droplevels(fmons)
fmons

## [1] March January November January September October September
## [8] November August January November November February May
## [15] August July December August
## 10 Levels: August December February January July March May November ... September</pre>
```

· ¿Y ahora?

```
levels(fmons)
## [1] "August"
                   "December"
                                           "January"
                                                    "July"
                                                                  "March"
                               "February"
## [7] "May"
                               "October"
                                          "September"
                   "November"
table(fmons)
## fmons
##
     August December February
                                              July
                                 January
                                                       March
                                                                       November
                                                                  May
##
    October September
```

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