Análisis_Encuesta_Barómetro_Sanitario

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1. Cargamos las librerías necesarias

```r
library(data.table)
library(stringi)

col_ends <-list(beg = c(1,5,10,12,14,17,18,19,21,24,28,
29,31,32,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,
50,51,52,53,54,55,56,58,60,62,64,65,67,69,70,71,72,73,74,
75,76,77,79,80,81,82,83,84,85,86,87,89,91,93,95,97,99,101,
103,105,107,109,111,113,115,116,118,120,121,122,123,124,
125,126,127,128,130,132,133,134,135,136,138,140,141,142,
143,144,146,148,150,152,154,156,158,160,161,163,165,166,
167,168,169,170,171,172,173,174,175,176,178,180,182,184,
186,188,190,192,193,194,195,196,197,198,199,200,201,202,
203,204,205,206,207,208,209,210,211,212,213,214,215,216,
217,218,219,220,221,222,223,224,225,226,227,228,229,230,
231,232,233,234,235,236,237,238,240,241,243,244,246,247,
248,250,251,252,253,254,257,258,259,262,265,268,271,274,
276,278,279,280,283,284,285,286,288,291,292,293,294,295,
296,299,302,305,308,311,314,317,320,323,326,327,328,329,
330,333,336,339,342,345,348,351,354,357,359,361,363,364,
367,368,369,371,372,373,375,376,378,380,381,383,384,
                        386,387,389,390,392,393),

                end = c(4,9,11,13,16,17,18,20,23,27,28,30,31,
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```r
                                33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,
                                48,49,50,51,52,53,54,55,57,59,61,63,64,66,68,
                                69,70,71,72,73,74,75,76,78,79,80,81,82,83,84,
                                85,86,88,90,92,94,96 ,98,100,102,104,106,108,
                                110,112,114,115,117,119,120,121,122,123,124,
                                125,126,127,129,131,132,133,134,135,137,139,
                                140,141,142,143,145,147,149,151,153,155,157,
                                159,160,162,164,165,166,167,168,169,170,171,
                                172,173,174,175,177,179,181,183,185,187,189,
                                191,192,193,194,195,196,197,198,199,200,201,
                                202,203,204,205,206,207,208,209,210,211,212,
                                213,214,215,216,217,218,219,220,221,222,223,
                                224,225,226,227,228,229,230,231,232,233,234,
                                235,236,237,239,240,242,243,245,246,247,249,
                                250,251,252,253,256,257,258,261,264,267,270,
                                273,275,277,278,279,282,283,284,285,287,290,
                                291,292,293,294,295,298,301,304,307,310,313,
                                316,319,322,325,326,327,328,329,332,335,338,
                                341,344,347,350,353,356,358,360,362,363,366,
                                367,368,370,371,372,374,375,377,379,380,382,
                                383,385,386,388,389,391,392,397),
                   names = c("ESTU", "CUES", "CCAA", "PROV", "MUN",
"TAMUNI",
                             "AREA", "DISTR", "SECCION", "ENTREV", "OLA",
"P1",
                             "P2", "P3", "P4", "P4A", "P4B", "P501",
"P502",
                             "P503", "P504", "P505", "P6", "P701", "P702",
                             "P703", "P704", "P705", "P706", "P707",
"P801",
                             "P802", "P803", "P804", "P9", "P10", "P1101",
                             "P1102", "P1103", "P1104", "P12", "P12A01",
"P12A02",
                             "P12B", "P12C", "P12D", "P12E", "P12F",
"P12G",
                             "P12H", "P13", "P13A", "P14A01", "P14A02",
"P14A03",
                             "P14A04", "P14B01", "P14B02", "P14B03",
"P14B04",
                             "P14C01", "P14C02", "P14C03", "P14C04",
"P1501",
                             "P1502", "P1503", "P1504", "P1505", "P1506",
"P1507",
                             "P1508", "P1509", "P1510", "P16", "P16A01",
"P16A02",
                             "P16B", "P16C", "P16D", "P16E", "P16F",
"P16G",
                             "P16H", "P17", "P17A01", "P17A02", "P17B",
"P17C",
```

```
"P17D", "P17E", "P17F01", "P17F02", "P17G",
"P17H",
"P17I", "P17J", "P1801", "P1802", "P1803",
"P1804",
"P1805", "P1806", "P1807", "P1808", "P19",
"P19A01",
"P19A02", "P19B", "P19C", "P19D", "P19E",
"P19F01",
"P19F02", "P19F03", "P19F04", "P19F05",
"P19G",
"P19H", "P2001", "P2002", "P2003", "P2004",
"P2005",
"P2006", "P2007", "P2008", "P21", "P2201",
"P2202",
"P2203", "P2204", "P2205", "P23", "P24",
"P25",
"P26", "P2701", "P2702", "P2703", "P2801",
"P2802",
"P2803", "P2804", "P2805", "P2806", "P2807",
"P2901",
"P2902", "P2903", "P2904", "P2905", "P30",
"P31",
"P31A01", "P31A02", "P31A03", "P31A04",
"P31B",
"P32", "P32A", "P32B", "P33", "P3401",
"P3402",
"P3403", "P3404", "P35", "P36", "P36A",
"P36B",
"P3701", "P3702", "P38", "P39", "P39A",
"P40",
"P41", "P42", "P43", "P43A", "P44", "P45",
"P46",
"P47", "P48", "P49", "P49A","P50", "P51",
"P51A",
"P52", "P52A", "P53", "P54", "P55", "P55A",
"P55B",
"P55C", "P55D", "P56", "P56A", "P56B", "P57",
"P5801", "P5802", "P5803", "P5804", "P5901",
"P5902", "P5903", "P5904", "P5905", "P6001",
"P6002", "P6003", "P6004", "P6005", "P61",
"P62",
"P63", "P64", "I1", "I2", "I3", "I4", "I5",
"I6",
"I7", "I8", "I9", "E101", "E102", "E103",
"E2",
"E3", "E4", "C1", "C1A", "C2", "C2A", "C2B",
"C3",
"C4", "RECUERDO", "ESTUDIOS", "OCUMAR11",
"RAMA09",
"OCUPAPAD", "RAMAPAD", "OCUPAMAD", "RAMAMAD",
```

```r
                                      "CONDICION11", "ESTATUS", "PESO")
    )


barometro <- as.data.frame(fread("DA8815.txt",
                         header = FALSE, sep = "\n")[,
lapply(1:(length(col_ends$beg)),
                         function(ii) stri_sub(V1, col_ends$beg[ii],
                                         col_ends$end[ii]))])
names(barometro) <- col_ends$names
barometro <- subset(barometro,  ESTU==3058)


# remove cols with unique value

ind_ <- which(apply(barometro, 2, function(x) length(unique(x)))==1)
barometro <- barometro[,-ind_]
cols <- 7:ncol(barometro)
barometro[,cols] = lapply(barometro[,cols], function(x)
as.numeric(as.character(x)))

## Warning in FUN(X[[i]], ...): NAs introducidos por coerción

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