Salidas Desembarques

```r
data<- read.csv(paste(getwd(),'/Analisis_Explorartorio/Desembarque_5.csv',sep=""), header = T, sep =';')
```

```r
head(data)
```

```
##     Ano Industrial.hielero Artesanal Industrial.fabrica Aguas.intern Moteada
## 1 1979                  0         0                  0            0       0
## 2 1980                  0         0                  0            0       0
## 3 1981                  0         0                  0            0       0
## 4 1982                  0         0                  0            0       0
## 5 1983                  0         0                  0            0       0
## 6 1984                  0         0                  0            0       0
##   Industrial.hielero.1 Artesanal.1 Industrial.fabrica.1 Industrial Delsur
## 1                    0           0                    0          0      0
## 2                    0           0                    0          0      0
## 3                    0           0                    0       8077   8077
## 4                   10           3                 4196       4206   8415
## 5                  362          69                 3315       3677   7423
## 6                  130          72                 2851       2981   6034
##   Industrial.hielero.2 Artesanal.2 Industrial.fabrica.2 Agua.Inter Brotula
## 1                    0           2                  309         NA     312
## 2                    0          NA                  592         NA     592
## 3                   NA          NA                 2120         NA    2120
## 4                    6          NA                 2098         NA    2104
## 5                    1          18                 5143         NA    5162
## 6                    3          NA                 2908         NA    2911
```

```r
tail(data)#llenar con 0 los NA
```

```
##      Ano Industrial.hielero Artesanal Industrial.fabrica Aguas.intern Moteada
## 38 2016                 NA        NA                 NA            0    6241
## 39 2017                 NA        NA                 NA            0    3562
## 40 2018                 NA        NA                 NA           NA      10
## 41 2019                 NA        NA                 NA           NA    2018
## 42 2020                 NA        NA                 NA           NA    1889
## 43 2021                 NA        NA                 NA           NA    1889
##    Industrial.hielero.1 Artesanal.1 Industrial.fabrica.1 Industrial Delsur
## 38                   NA          NA                   NA         NA      0
## 39                   NA          NA                   NA         NA      0
## 40                   NA          NA                   NA         NA    263
## 41                   NA          NA                   NA         NA    301
## 42                   NA          NA                   NA         NA    365
## 43                   NA          NA                   NA         NA    365
##    Industrial.hielero.2 Artesanal.2 Industrial.fabrica.2 Agua.Inter Brotula
## 38                   NA          NA                  533         NA     536
## 39                   NA          NA                  347         NA     348
## 40                   NA          NA                   NA         NA     132
## 41                   NA          NA                   NA         NA     132
## 42                   NA          NA                   NA         NA      62
```

```
## 43                   NA           NA                      NA           NA       62
```

```
##       brotula
## Year   62 132 245 312 348 352 360 372 374 481 522 536 592 641 647 681 698 703
##   1979  0   0   0   1   0   0   0   0   0   0   0   0   0   0   0   0   0   0
##   1980  0   0   0   0   0   0   0   0   0   0   0   0   1   0   0   0   0   0
##   1981  0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
##   1982  0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
##   1983  0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
##   1984  0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
##   1985  0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
##   1986  0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
##   1987  0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
##   1988  0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
##   1989  0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
##   1990  0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
##   1991  0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
##   1992  0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
##   1993  0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
##   1994  0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
##   1995  0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
##   1996  0   0   0   0   0   0   0   0   0   1   0   0   0   0   0   0   0   0
##   1997  0   0   0   0   0   0   0   0   0   0   0   0   0   0   1   0   0   0
##   1998  0   0   0   0   0   1   0   0   0   0   0   0   0   0   0   0   0   0
##   1999  0   0   1   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
##   2000  0   0   0   0   0   0   0   1   0   0   0   0   0   0   0   0   0   0
##   2001  0   0   0   0   0   0   0   0   0   0   0   0   0   1   0   0   0   0
##   2002  0   0   0   0   0   0   1   0   0   0   0   0   0   0   0   0   0   0
##   2003  0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
##   2004  0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
##   2005  0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
##   2006  0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
##   2007  0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   1   0   0
##   2008  0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   1   0
##   2009  0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
##   2010  0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
##   2011  0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
```

```
## 2012   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
## 2013   0   0   0   0   0   0   0   0   1   0   0   0   0   0   0   0   0   0
## 2014   0   0   0   0   0   0   0   0   0   0   1   0   0   0   0   0   0   0
## 2015   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   1
## 2016   0   0   0   0   0   0   0   0   0   0   0   1   0   0   0   0   0   0
## 2017   0   0   0   0   1   0   0   0   0   0   0   0   0   0   0   0   0   0
## 2018   0   1   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
## 2019   0   1   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
## 2020   1   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
## 2021   1   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0   0
##      brotula
## Year  768 1091 1141 1400 1743 1800 1826 2104 2120 2367 2855 2908 2911 3049
## 1979   0    0    0    0    0    0    0    0    0    0    0    0    0    0
## 1980   0    0    0    0    0    0    0    0    0    0    0    0    0    0
## 1981   0    0    0    0    0    0    0    0    1    0    0    0    0    0
## 1982   0    0    0    0    0    0    0    1    0    0    0    0    0    0
## 1983   0    0    0    0    0    0    0    0    0    0    0    0    0    0
## 1984   0    0    0    0    0    0    0    0    0    0    0    0    1    0
## 1985   0    0    0    0    0    0    0    0    0    0    0    0    0    0
## 1986   0    0    0    0    0    0    0    0    0    0    0    0    0    0
## 1987   0    0    0    0    0    0    0    0    0    0    0    0    0    0
## 1988   0    0    0    0    0    0    0    0    0    0    0    0    0    0
## 1989   0    0    0    0    0    0    0    0    0    0    0    0    0    0
## 1990   0    0    0    0    0    0    0    0    0    0    0    0    0    0
## 1991   0    0    0    0    0    0    0    0    0    1    0    0    0    0
## 1992   0    0    0    0    0    0    0    0    0    0    0    0    0    0
## 1993   0    0    0    0    0    0    0    0    0    0    0    1    0    0
## 1994   0    0    0    0    0    1    0    0    0    0    0    0    0    0
## 1995   0    0    0    0    0    0    1    0    0    0    0    0    0    0
## 1996   0    0    0    0    0    0    0    0    0    0    0    0    0    0
## 1997   0    0    0    0    0    0    0    0    0    0    0    0    0    0
## 1998   0    0    0    0    0    0    0    0    0    0    0    0    0    0
## 1999   0    0    0    0    0    0    0    0    0    0    0    0    0    0
## 2000   0    0    0    0    0    0    0    0    0    0    0    0    0    0
## 2001   0    0    0    0    0    0    0    0    0    0    0    0    0    0
## 2002   0    0    0    0    0    0    0    0    0    0    0    0    0    0
## 2003   0    0    1    0    0    0    0    0    0    0    0    0    0    0
## 2004   0    0    0    0    0    0    0    0    0    0    1    0    0    0
## 2005   0    0    0    0    0    0    0    0    0    0    0    0    0    1
## 2006   0    0    0    0    1    0    0    0    0    0    0    0    0    0
## 2007   0    0    0    0    0    0    0    0    0    0    0    0    0    0
## 2008   0    0    0    0    0    0    0    0    0    0    0    0    0    0
## 2009   0    0    0    0    0    0    0    0    0    0    0    0    0    0
## 2010   0    0    0    1    0    0    0    0    0    0    0    0    0    0
## 2011   0    1    0    0    0    0    0    0    0    0    0    0    0    0
## 2012   1    0    0    0    0    0    0    0    0    0    0    0    0    0
## 2013   0    0    0    0    0    0    0    0    0    0    0    0    0    0
## 2014   0    0    0    0    0    0    0    0    0    0    0    0    0    0
## 2015   0    0    0    0    0    0    0    0    0    0    0    0    0    0
## 2016   0    0    0    0    0    0    0    0    0    0    0    0    0    0
## 2017   0    0    0    0    0    0    0    0    0    0    0    0    0    0
## 2018   0    0    0    0    0    0    0    0    0    0    0    0    0    0
## 2019   0    0    0    0    0    0    0    0    0    0    0    0    0    0
## 2020   0    0    0    0    0    0    0    0    0    0    0    0    0    0
```

```
##    2021   0   0   0   0   0   0   0   0   0   0   0   0   0   0
##      brotula
## Year   3356 3725 3970 4395 4564 4578 5162 5402 7797
##    1979   0   0   0   0   0   0   0   0   0
##    1980   0   0   0   0   0   0   0   0   0
##    1981   0   0   0   0   0   0   0   0   0
##    1982   0   0   0   0   0   0   0   0   0
##    1983   0   0   0   0   0   0   1   0   0
##    1984   0   0   0   0   0   0   0   0   0
##    1985   0   0   1   0   0   0   0   0   0
##    1986   0   1   0   0   0   0   0   0   0
##    1987   0   0   0   0   1   0   0   0   0
##    1988   0   0   0   0   0   0   0   0   1
##    1989   0   0   0   1   0   0   0   0   0
##    1990   0   0   0   0   0   0   0   1   0
##    1991   0   0   0   0   0   0   0   0   0
##    1992   0   0   0   0   0   1   0   0   0
##    1993   0   0   0   0   0   0   0   0   0
##    1994   0   0   0   0   0   0   0   0   0
##    1995   0   0   0   0   0   0   0   0   0
##    1996   0   0   0   0   0   0   0   0   0
##    1997   0   0   0   0   0   0   0   0   0
##    1998   0   0   0   0   0   0   0   0   0
##    1999   0   0   0   0   0   0   0   0   0
##    2000   0   0   0   0   0   0   0   0   0
##    2001   0   0   0   0   0   0   0   0   0
##    2002   0   0   0   0   0   0   0   0   0
##    2003   0   0   0   0   0   0   0   0   0
##    2004   0   0   0   0   0   0   0   0   0
##    2005   0   0   0   0   0   0   0   0   0
##    2006   0   0   0   0   0   0   0   0   0
##    2007   0   0   0   0   0   0   0   0   0
##    2008   0   0   0   0   0   0   0   0   0
##    2009   1   0   0   0   0   0   0   0   0
##    2010   0   0   0   0   0   0   0   0   0
##    2011   0   0   0   0   0   0   0   0   0
##    2012   0   0   0   0   0   0   0   0   0
##    2013   0   0   0   0   0   0   0   0   0
##    2014   0   0   0   0   0   0   0   0   0
##    2015   0   0   0   0   0   0   0   0   0
##    2016   0   0   0   0   0   0   0   0   0
##    2017   0   0   0   0   0   0   0   0   0
##    2018   0   0   0   0   0   0   0   0   0
##    2019   0   0   0   0   0   0   0   0   0
##    2020   0   0   0   0   0   0   0   0   0
##    2021   0   0   0   0   0   0   0   0   0
```

```r
library(ggplot2)
```

```
## List of 93
##  $ line                     :List of 6
##   ..$ colour      : chr "black"
##   ..$ size        : num 0.5
##   ..$ linetype    : num 1
##   ..$ lineend     : chr "butt"
```

```
##   ..$ arrow        : logi FALSE
##   ..$ inherit.blank: logi TRUE
##   ..- attr(*, "class")= chr [1:2] "element_line" "element"
## $ rect                     :List of 5
##   ..$ fill         : chr "white"
##   ..$ colour       : chr "black"
##   ..$ size         : num 0.5
##   ..$ linetype     : num 1
##   ..$ inherit.blank: logi TRUE
##   ..- attr(*, "class")= chr [1:2] "element_rect" "element"
## $ text                     :List of 11
##   ..$ family       : chr ""
##   ..$ face         : chr "plain"
##   ..$ colour       : chr "black"
##   ..$ size         : num 11
##   ..$ hjust        : num 0.5
##   ..$ vjust        : num 0.5
##   ..$ angle        : num 0
##   ..$ lineheight   : num 0.9
##   ..$ margin       : 'margin' num [1:4] 0points 0points 0points 0points
##   .. ..- attr(*, "unit")= int 8
##   ..$ debug        : logi FALSE
##   ..$ inherit.blank: logi TRUE
##   ..- attr(*, "class")= chr [1:2] "element_text" "element"
## $ title                    : NULL
## $ aspect.ratio             : NULL
## $ axis.title               : NULL
## $ axis.title.x             :List of 11
##   ..$ family       : NULL
##   ..$ face         : NULL
##   ..$ colour       : NULL
##   ..$ size         : NULL
##   ..$ hjust        : NULL
##   ..$ vjust        : num 1
##   ..$ angle        : NULL
##   ..$ lineheight   : NULL
##   ..$ margin       : 'margin' num [1:4] 2.75points 0points 0points 0points
##   .. ..- attr(*, "unit")= int 8
##   ..$ debug        : NULL
##   ..$ inherit.blank: logi TRUE
##   ..- attr(*, "class")= chr [1:2] "element_text" "element"
## $ axis.title.x.top         :List of 11
##   ..$ family       : NULL
##   ..$ face         : NULL
##   ..$ colour       : NULL
##   ..$ size         : NULL
##   ..$ hjust        : NULL
##   ..$ vjust        : num 0
##   ..$ angle        : NULL
##   ..$ lineheight   : NULL
##   ..$ margin       : 'margin' num [1:4] 0points 0points 2.75points 0points
##   .. ..- attr(*, "unit")= int 8
##   ..$ debug        : NULL
##   ..$ inherit.blank: logi TRUE
```

```
##   ..- attr(*, "class")= chr [1:2] "element_text" "element"
## $ axis.title.x.bottom      : NULL
## $ axis.title.y             :List of 11
##   ..$ family     : NULL
##   ..$ face       : NULL
##   ..$ colour     : NULL
##   ..$ size       : NULL
##   ..$ hjust      : NULL
##   ..$ vjust      : num 1
##   ..$ angle      : num 90
##   ..$ lineheight : NULL
##   ..$ margin     : 'margin' num [1:4] 0points 2.75points 0points 0points
##   .. ..- attr(*, "unit")= int 8
##   ..$ debug      : NULL
##   ..$ inherit.blank: logi TRUE
##   ..- attr(*, "class")= chr [1:2] "element_text" "element"
## $ axis.title.y.left        : NULL
## $ axis.title.y.right       :List of 11
##   ..$ family     : NULL
##   ..$ face       : NULL
##   ..$ colour     : NULL
##   ..$ size       : NULL
##   ..$ hjust      : NULL
##   ..$ vjust      : num 0
##   ..$ angle      : num -90
##   ..$ lineheight : NULL
##   ..$ margin     : 'margin' num [1:4] 0points 0points 0points 2.75points
##   .. ..- attr(*, "unit")= int 8
##   ..$ debug      : NULL
##   ..$ inherit.blank: logi TRUE
##   ..- attr(*, "class")= chr [1:2] "element_text" "element"
## $ axis.text                :List of 11
##   ..$ family     : NULL
##   ..$ face       : NULL
##   ..$ colour     : chr "grey30"
##   ..$ size       : 'rel' num 0.8
##   ..$ hjust      : NULL
##   ..$ vjust      : NULL
##   ..$ angle      : NULL
##   ..$ lineheight : NULL
##   ..$ margin     : NULL
##   ..$ debug      : NULL
##   ..$ inherit.blank: logi TRUE
##   ..- attr(*, "class")= chr [1:2] "element_text" "element"
## $ axis.text.x              :List of 11
##   ..$ family     : NULL
##   ..$ face       : NULL
##   ..$ colour     : NULL
##   ..$ size       : num 10
##   ..$ hjust      : NULL
##   ..$ vjust      : num 0.5
##   ..$ angle      : num 90
##   ..$ lineheight : NULL
##   ..$ margin     : 'margin' num [1:4] 2.2points 0points 0points 0points
```

```
##    .. ..- attr(*, "unit")= int 8
##    ..$ debug        : NULL
##    ..$ inherit.blank: logi FALSE
##    ..- attr(*, "class")= chr [1:2] "element_text" "element"
## $ axis.text.x.top          :List of 11
##    ..$ family       : NULL
##    ..$ face         : NULL
##    ..$ colour       : NULL
##    ..$ size         : NULL
##    ..$ hjust        : NULL
##    ..$ vjust        : num 0
##    ..$ angle        : NULL
##    ..$ lineheight   : NULL
##    ..$ margin       : 'margin' num [1:4] 0points 0points 2.2points 0points
##    .. ..- attr(*, "unit")= int 8
##    ..$ debug        : NULL
##    ..$ inherit.blank: logi TRUE
##    ..- attr(*, "class")= chr [1:2] "element_text" "element"
## $ axis.text.x.bottom       : NULL
## $ axis.text.y              :List of 11
##    ..$ family       : NULL
##    ..$ face         : NULL
##    ..$ colour       : NULL
##    ..$ size         : num 8
##    ..$ hjust        : num 1
##    ..$ vjust        : NULL
##    ..$ angle        : NULL
##    ..$ lineheight   : NULL
##    ..$ margin       : 'margin' num [1:4] 0points 2.2points 0points 0points
##    .. ..- attr(*, "unit")= int 8
##    ..$ debug        : NULL
##    ..$ inherit.blank: logi FALSE
##    ..- attr(*, "class")= chr [1:2] "element_text" "element"
## $ axis.text.y.left         : NULL
## $ axis.text.y.right        :List of 11
##    ..$ family       : NULL
##    ..$ face         : NULL
##    ..$ colour       : NULL
##    ..$ size         : NULL
##    ..$ hjust        : num 0
##    ..$ vjust        : NULL
##    ..$ angle        : NULL
##    ..$ lineheight   : NULL
##    ..$ margin       : 'margin' num [1:4] 0points 0points 0points 2.2points
##    .. ..- attr(*, "unit")= int 8
##    ..$ debug        : NULL
##    ..$ inherit.blank: logi TRUE
##    ..- attr(*, "class")= chr [1:2] "element_text" "element"
## $ axis.ticks               :List of 6
##    ..$ colour       : chr "grey20"
##    ..$ size         : NULL
##    ..$ linetype     : NULL
##    ..$ lineend      : NULL
##    ..$ arrow        : logi FALSE
```

```
##   ..$ inherit.blank: logi TRUE
##   ..- attr(*, "class")= chr [1:2] "element_line" "element"
## $ axis.ticks.x              : NULL
## $ axis.ticks.x.top          : NULL
## $ axis.ticks.x.bottom       : NULL
## $ axis.ticks.y              : NULL
## $ axis.ticks.y.left         : NULL
## $ axis.ticks.y.right        : NULL
## $ axis.ticks.length         : 'simpleUnit' num 2.75points
##   ..- attr(*, "unit")= int 8
## $ axis.ticks.length.x       : NULL
## $ axis.ticks.length.x.top   : NULL
## $ axis.ticks.length.x.bottom: NULL
## $ axis.ticks.length.y       : NULL
## $ axis.ticks.length.y.left  : NULL
## $ axis.ticks.length.y.right : NULL
## $ axis.line                 : list()
##   ..- attr(*, "class")= chr [1:2] "element_blank" "element"
## $ axis.line.x               : NULL
## $ axis.line.x.top           : NULL
## $ axis.line.x.bottom        : NULL
## $ axis.line.y               : NULL
## $ axis.line.y.left          : NULL
## $ axis.line.y.right         : NULL
## $ legend.background         :List of 5
##   ..$ fill         : NULL
##   ..$ colour       : logi NA
##   ..$ size         : NULL
##   ..$ linetype     : NULL
##   ..$ inherit.blank: logi TRUE
##   ..- attr(*, "class")= chr [1:2] "element_rect" "element"
## $ legend.margin             : 'margin' num [1:4] 5.5points 5.5points 5.5points 5.5points
##   ..- attr(*, "unit")= int 8
## $ legend.spacing            : 'simpleUnit' num 11points
##   ..- attr(*, "unit")= int 8
## $ legend.spacing.x          : NULL
## $ legend.spacing.y          : NULL
## $ legend.key                :List of 5
##   ..$ fill         : chr "white"
##   ..$ colour       : logi NA
##   ..$ size         : NULL
##   ..$ linetype     : NULL
##   ..$ inherit.blank: logi TRUE
##   ..- attr(*, "class")= chr [1:2] "element_rect" "element"
## $ legend.key.size           : 'simpleUnit' num 1.2lines
##   ..- attr(*, "unit")= int 3
## $ legend.key.height         : NULL
## $ legend.key.width          : NULL
## $ legend.text               :List of 11
##   ..$ family       : NULL
##   ..$ face         : NULL
##   ..$ colour       : NULL
##   ..$ size         : 'rel' num 0.8
##   ..$ hjust        : NULL
```

```
##   ..$ vjust      : NULL
##   ..$ angle      : NULL
##   ..$ lineheight : NULL
##   ..$ margin     : NULL
##   ..$ debug      : NULL
##   ..$ inherit.blank: logi TRUE
##   ..- attr(*, "class")= chr [1:2] "element_text" "element"
## $ legend.text.align        : NULL
## $ legend.title             :List of 11
##   ..$ family     : NULL
##   ..$ face       : NULL
##   ..$ colour     : NULL
##   ..$ size       : NULL
##   ..$ hjust      : num 0
##   ..$ vjust      : NULL
##   ..$ angle      : NULL
##   ..$ lineheight : NULL
##   ..$ margin     : NULL
##   ..$ debug      : NULL
##   ..$ inherit.blank: logi TRUE
##   ..- attr(*, "class")= chr [1:2] "element_text" "element"
## $ legend.title.align       : NULL
## $ legend.position          : chr "right"
## $ legend.direction         : NULL
## $ legend.justification     : chr "center"
## $ legend.box               : NULL
## $ legend.box.just          : NULL
## $ legend.box.margin        : 'margin' num [1:4] 0cm 0cm 0cm 0cm
##   ..- attr(*, "unit")= int 1
## $ legend.box.background     : list()
##   ..- attr(*, "class")= chr [1:2] "element_blank" "element"
## $ legend.box.spacing        : 'simpleUnit' num 11points
##   ..- attr(*, "unit")= int 8
## $ panel.background         :List of 5
##   ..$ fill       : chr "white"
##   ..$ colour     : logi NA
##   ..$ size       : NULL
##   ..$ linetype   : NULL
##   ..$ inherit.blank: logi TRUE
##   ..- attr(*, "class")= chr [1:2] "element_rect" "element"
## $ panel.border             :List of 5
##   ..$ fill       : logi NA
##   ..$ colour     : chr "grey20"
##   ..$ size       : NULL
##   ..$ linetype   : NULL
##   ..$ inherit.blank: logi TRUE
##   ..- attr(*, "class")= chr [1:2] "element_rect" "element"
## $ panel.spacing            : 'simpleUnit' num 5.5points
##   ..- attr(*, "unit")= int 8
## $ panel.spacing.x          : NULL
## $ panel.spacing.y          : NULL
## $ panel.grid               :List of 6
##   ..$ colour     : chr "grey92"
##   ..$ size       : NULL
```

```
##   ..$ linetype    : NULL
##   ..$ lineend     : NULL
##   ..$ arrow       : logi FALSE
##   ..$ inherit.blank: logi TRUE
##   ..- attr(*, "class")= chr [1:2] "element_line" "element"
## $ panel.grid.major       : NULL
## $ panel.grid.minor       :List of 6
##   ..$ colour      : NULL
##   ..$ size        : 'rel' num 0.5
##   ..$ linetype    : NULL
##   ..$ lineend     : NULL
##   ..$ arrow       : logi FALSE
##   ..$ inherit.blank: logi TRUE
##   ..- attr(*, "class")= chr [1:2] "element_line" "element"
## $ panel.grid.major.x     : NULL
## $ panel.grid.major.y     : NULL
## $ panel.grid.minor.x     : NULL
## $ panel.grid.minor.y     : NULL
## $ panel.ontop            : logi FALSE
## $ plot.background        :List of 5
##   ..$ fill        : NULL
##   ..$ colour      : chr "white"
##   ..$ size        : NULL
##   ..$ linetype    : NULL
##   ..$ inherit.blank: logi TRUE
##   ..- attr(*, "class")= chr [1:2] "element_rect" "element"
## $ plot.title             :List of 11
##   ..$ family      : NULL
##   ..$ face        : NULL
##   ..$ colour      : NULL
##   ..$ size        : 'rel' num 1.2
##   ..$ hjust       : num 0
##   ..$ vjust       : num 1
##   ..$ angle       : NULL
##   ..$ lineheight  : NULL
##   ..$ margin      : 'margin' num [1:4] 0points 0points 5.5points 0points
##   .. ..- attr(*, "unit")= int 8
##   ..$ debug       : NULL
##   ..$ inherit.blank: logi TRUE
##   ..- attr(*, "class")= chr [1:2] "element_text" "element"
## $ plot.title.position    : chr "panel"
## $ plot.subtitle          :List of 11
##   ..$ family      : NULL
##   ..$ face        : NULL
##   ..$ colour      : NULL
##   ..$ size        : NULL
##   ..$ hjust       : num 0
##   ..$ vjust       : num 1
##   ..$ angle       : NULL
##   ..$ lineheight  : NULL
##   ..$ margin      : 'margin' num [1:4] 0points 0points 5.5points 0points
##   .. ..- attr(*, "unit")= int 8
##   ..$ debug       : NULL
##   ..$ inherit.blank: logi TRUE
```

```
##   ..- attr(*, "class")= chr [1:2] "element_text" "element"
## $ plot.caption            :List of 11
##   ..$ family       : NULL
##   ..$ face         : NULL
##   ..$ colour       : NULL
##   ..$ size         : 'rel' num 0.8
##   ..$ hjust        : num 1
##   ..$ vjust        : num 1
##   ..$ angle        : NULL
##   ..$ lineheight   : NULL
##   ..$ margin       : 'margin' num [1:4] 5.5points 0points 0points 0points
##   .. ..- attr(*, "unit")= int 8
##   ..$ debug        : NULL
##   ..$ inherit.blank: logi TRUE
##   ..- attr(*, "class")= chr [1:2] "element_text" "element"
## $ plot.caption.position    : chr "panel"
## $ plot.tag                 :List of 11
##   ..$ family       : NULL
##   ..$ face         : NULL
##   ..$ colour       : NULL
##   ..$ size         : 'rel' num 1.2
##   ..$ hjust        : num 0.5
##   ..$ vjust        : num 0.5
##   ..$ angle        : NULL
##   ..$ lineheight   : NULL
##   ..$ margin       : NULL
##   ..$ debug        : NULL
##   ..$ inherit.blank: logi TRUE
##   ..- attr(*, "class")= chr [1:2] "element_text" "element"
## $ plot.tag.position        : chr "topleft"
## $ plot.margin              : 'margin' num [1:4] 5.5points 5.5points 5.5points 5.5points
##   ..- attr(*, "unit")= int 8
## $ strip.background         :List of 5
##   ..$ fill         : chr "grey85"
##   ..$ colour       : chr "grey20"
##   ..$ size         : NULL
##   ..$ linetype     : NULL
##   ..$ inherit.blank: logi TRUE
##   ..- attr(*, "class")= chr [1:2] "element_rect" "element"
## $ strip.background.x       : NULL
## $ strip.background.y       : NULL
## $ strip.placement          : chr "inside"
## $ strip.text               :List of 11
##   ..$ family       : NULL
##   ..$ face         : NULL
##   ..$ colour       : chr "grey10"
##   ..$ size         : 'rel' num 0.8
##   ..$ hjust        : NULL
##   ..$ vjust        : NULL
##   ..$ angle        : NULL
##   ..$ lineheight   : NULL
##   ..$ margin       : 'margin' num [1:4] 4.4points 4.4points 4.4points 4.4points
##   .. ..- attr(*, "unit")= int 8
##   ..$ debug        : NULL
```

```
##    ..$ inherit.blank: logi TRUE
##    ..- attr(*, "class")= chr [1:2] "element_text" "element"
## $ strip.text.x           : NULL
## $ strip.text.y           :List of 11
##    ..$ family      : NULL
##    ..$ face        : NULL
##    ..$ colour      : NULL
##    ..$ size        : NULL
##    ..$ hjust       : NULL
##    ..$ vjust       : NULL
##    ..$ angle       : num -90
##    ..$ lineheight  : NULL
##    ..$ margin      : NULL
##    ..$ debug       : NULL
##    ..$ inherit.blank: logi TRUE
##    ..- attr(*, "class")= chr [1:2] "element_text" "element"
## $ strip.switch.pad.grid    : 'simpleUnit' num 2.75points
##    ..- attr(*, "unit")= int 8
## $ strip.switch.pad.wrap    : 'simpleUnit' num 2.75points
##    ..- attr(*, "unit")= int 8
## $ strip.text.y.left        :List of 11
##    ..$ family      : NULL
##    ..$ face        : NULL
##    ..$ colour      : NULL
##    ..$ size        : NULL
##    ..$ hjust       : NULL
##    ..$ vjust       : NULL
##    ..$ angle       : num 90
##    ..$ lineheight  : NULL
##    ..$ margin      : NULL
##    ..$ debug       : NULL
##    ..$ inherit.blank: logi TRUE
##    ..- attr(*, "class")= chr [1:2] "element_text" "element"
## - attr(*, "class")= chr [1:2] "theme" "gg"
## - attr(*, "complete")= logi TRUE
## - attr(*, "validate")= logi TRUE
```

C. Delsur