```
source('RECURSOS-INVESTIGACION/R/camel-getCamelIndNormalizada.R')
source('RECURSOS-INVESTIGACION/R/camel-get-datIdsNamesCamelInds.R')
source('RECURSOS-INVESTIGACION/R/camel-tendencia-stats-overview.R')
source('RECURSOS-INVESTIGACION/R/camel-plot-functions.R')
source("RECURSOS-INVESTIGACION/R/render-table-basic.R")
source("RECURSOS-INVESTIGACION/R/handles.R")

require(dplyr)
```

```
## Loading required package: dplyr
```

```
##
## Attaching package: 'dplyr'
```

```
## The following objects are masked from 'package:stats':
##
##     filter, lag
```

```
## The following objects are masked from 'package:base':
##
##     intersect, setdiff, setequal, union
```

```
require(stringr)
```

```
## Loading required package: stringr
```

```
require(glue)
```

```
## Loading required package: glue
```

```
require(ggplot2)
```

```
## Loading required package: ggplot2
```

```
require(patchwork)
```

```
## Loading required package: patchwork
```

```
if (!('dat' %in% ls())) {dat <- NULL}

datCamelIndNorm <- getDatCamelIndNormalizada(gestionInc=2014,by='TIPO_DE_ENTIDAD',dat=dat)
```

```
## Loading required package: openxlsx
```

```
datIdsNamesCamelInds <- getDatIdsNamesCamelIndicadores()
```

Calculo de indicadores

Capital

```r
ids <- c('indCap_CAP','indCap_CCCM','indCap_CACCM')
listResult <- list()

for (i in 1:length(ids)) {

    id <- ids[i]
    nameIndById <-
        datIdsNamesCamelInds %>%
        filter(INDICADOR==id) %>%
        select(NOMBRES) %>%
        pull()
    idsDecreasing <-
        datIdsNamesCamelInds %>%
        filter(INDICADOR==id) %>%
        select(DECRECIENTE) %>%
        pull()
    datTrendInd <-
        getDatTrendStatsOverviewInd(id, datCamelIndNorm, FALSE ,idsDecreasing)
    nameEntBestPromedio <-
        datTrendInd %>%
        select(TIPO_DE_ENTIDAD) %>%
        slice(1) %>%
        pull()
    bestPromedio <-
        datTrendInd %>%
        select(PROMEDIO) %>%
        slice(1) %>%
        pull()
    p <- plotIndCamel(id, datCamelIndNorm)

    listResult[[id]] <-
        list(id=id,
             nameIndById=nameIndById,
             idsDecreasing=idsDecreasing,
             datTrendInd=datTrendInd,
             nameEntBestPromedio=nameEntBestPromedio,
             bestPromedio=bestPromedio,
             p=p)
}
```

```
## Loading required package: fpp2
```

```
## Registered S3 method overwritten by 'quantmod':
##   method            from
##   as.zoo.data.frame zoo
```

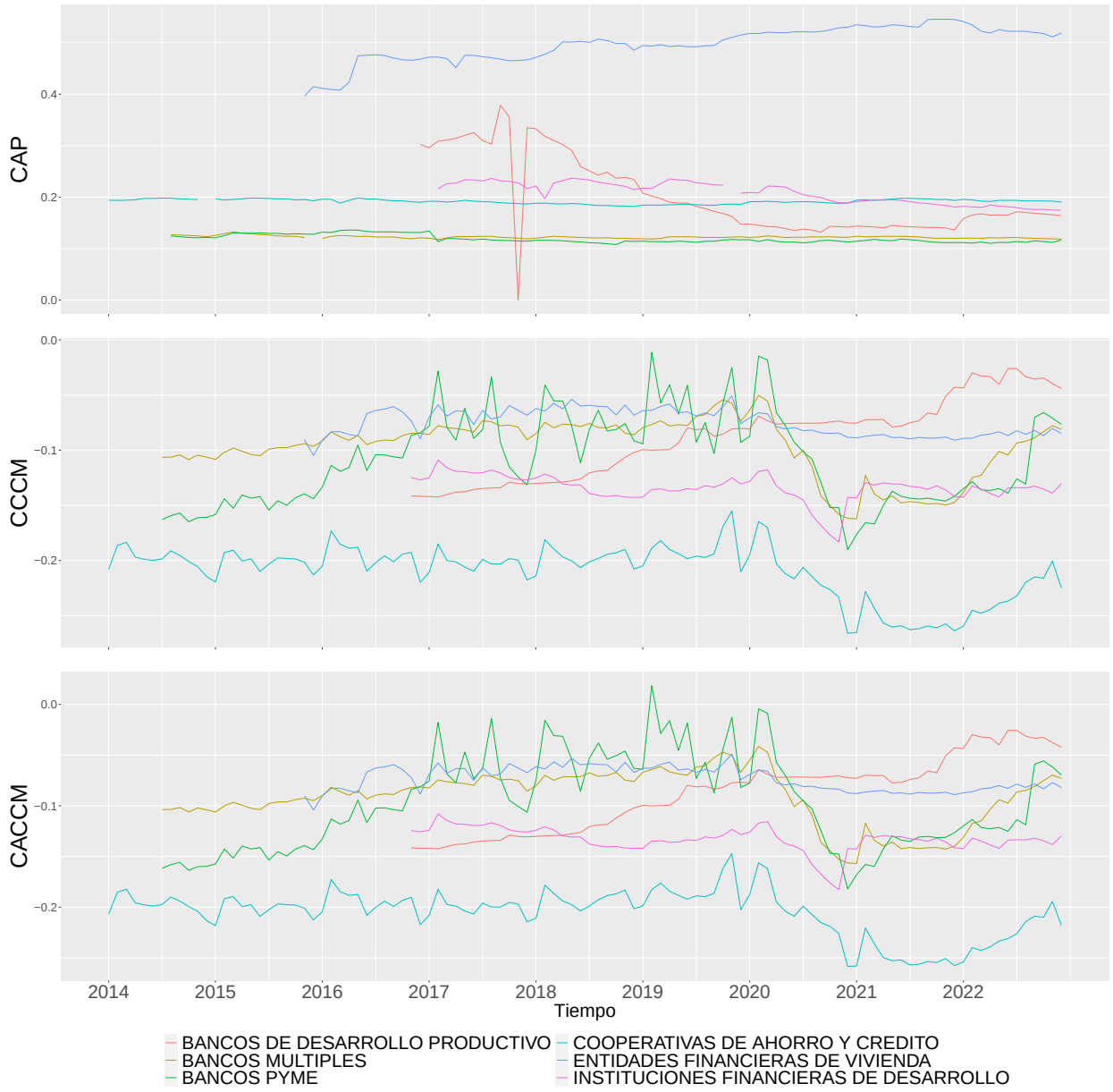
```
## -- Attaching packages --------------------------------------------- fpp2 2.5 --
```

```
## v forecast  8.21     v expsmooth 2.3
## v fma       2.5
```

```
##
```

```
listPlots <- list()
n <- length(listResult)
for (i in seq(n)) {

    id <- listResult[[i]][['id']]
    p <- listResult[[i]][['p']]

    if (i==n) {

        p <- p +
            theme(legend.text = element_text(size=24),
                  axis.title.x=element_text(size=24),
                  axis.title.y = element_text(size=30),
                  axis.text.y=element_text(size=15),
                  axis.text.x = element_text(size=24))

    } else {
         p <- p +
             theme(legend.position = "none",
                   axis.title.x=element_blank(),
                   axis.title.y = element_text(size=30),
                   axis.text.y=element_text(size=15),
                   axis.text.x=element_blank())
    }

    listPlots[[id]] <- p
}
```

```
wrap_plots(listPlots, ncol = 1)
```


CAP
0.4
0.2
0.0
CCCM
0.0
−0.1
−0.2
CACCM
0.0
−0.1
−0.2
2014
2015
2016
2017
2018
2019
2020
2021
2022
Tiempo
BANCOS DE DESARROLLO PRODUCTIVO
BANCOS MULTIPLES
BANCOS PYME
COOPERATIVAS DE AHORRO Y CREDITO
ENTIDADES FINANCIERAS DE VIVIENDA
INSTITUCIONES FINANCIERAS DE DESARROLLO