Inflation Cores Dashboard

Using Inflation and BETS to produce a dashboard of core inflation measures

Talitha F. Speranza

Instituto Brasileiro de Economia (IBRE) talitha.speranza@fgv.br

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```
library(BETS)
library(Inflation)

BETS.search("ipca ~ -", unit = "Monthly % var.", view = F)
```

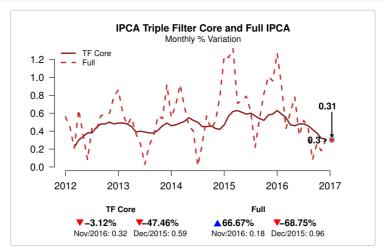
```
ipca <- window(BETS.get(433), start = c(2012,1), end = c(2016,12))</pre>
```

```
charts.opts <- list()

core.tf <- INFL.core_tf(subits.var=ipca_sub$ipca_ts, weights = ipca_sub$weights_ts)
core.tf <- window(round(core.tf,2), start = c(2012,3), end = c(2016,12))

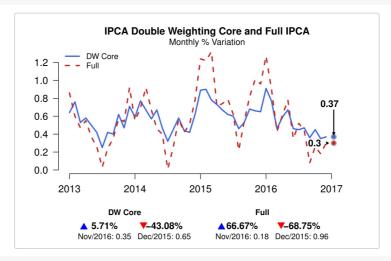
charts.opts[[1]] <- list(
    type = "lines",
    title = "IPCA Triple Filter Core and Full IPCA",
    subtitle = "Monthly % Variation",
    legend = c("TF Core", "Full"),
    xlim = c(2012,2017.2),
    arr.len = 0.3,
    extra = ipca
)

BETS.chart(ts = core.tf, style = "normal", file = "core_tf", open = T, params = charts.opts[[1]])</pre>
```

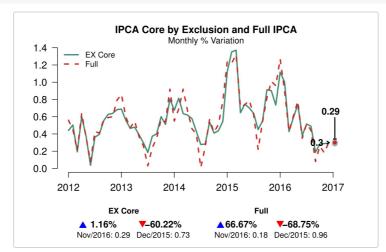


```
subtitle = "Monthly % Variation",
  colors = c("royalblue", "firebrick3"),
  legend = c("DW Core", "Full"),
  xlim = c(2013,2017.2),
  arr.len = 0.3,
  extra = window(ipca,start = c(2013,1))
)

BETS.chart(ts = core.dw, style = "normal", file = "core_dw", open = T, params = charts.opts[[2]])
```



```
core.ex <- INFL.core_ex(subits.var = ipca_sub$ipca_ts,</pre>
                        weights = ipca_sub$weights_ts,
                        info = ipca_sub$cod,
                        n.blocks = 4,
                        alpha = 2)
core.ex <- window(core.ex, end = c(2016,12))
charts.opts[[3]] <- list(</pre>
    type = "lines",
    title = "IPCA Core by Exclusion and Full IPCA",
    subtitle = "Monthly % Variation",
    colors = c("aquamarine4", "firebrick3"),
    legend = c("EX Core", "Full"),
    xlim = c(2012, 2017.2),
    arr.len = 0.3,
    extra = ipca
BETS.chart(ts = core.ex, style = "normal", file = "core_ex", open = T, params = charts.opts[[3]])
```

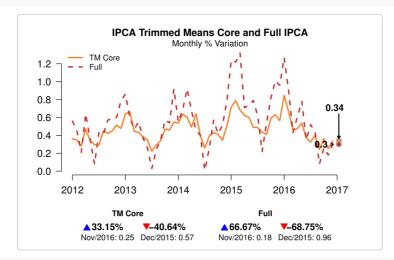


```
core.tm <- INFL.core_tm(subits.var = ipca_sub$ipca_ts, weights = ipca_sub$weights_ts)$core
core.tm <- window(core.tm, end = c(2016,12))

charts.opts[[4]] <- list(
    type = "lines",
    title = "IPCA Trimmed Means Core and Full IPCA",
    subtitle = "Monthly % Variation",
    colors = c("chocolate1", "firebrick3"),
    legend = c("TM Core", "Full"),
    xlim = c(2012,2017.2),</pre>
```

```
arr.len = 0.3,
  extra = ipca
)

BETS.chart(ts = core.tm, style = "normal", file = "core_tm", open = T, params = charts.opts[[4]])
```



```
parameters <- list(
    style = "normal",
    charts.opts = charts.opts)

cores <- list(core.tf, core.dw, core.ex, core.tm)

BETS.dashboard(type = "custom", charts = cores, saveas = "custom_dashboard.pdf", parameters = parameters)</pre>
```

