

Untitled

2022-06-11

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0.1 R Markdown

```
EViews> wfcreate(wf=sagiru,page=mati) q 2000 2025
+ 'open mychunk
+
+ for !i=1 to 100
+ %page="page"+@STR(!i)
+ if @pageexist(%page) then
+ pagedelete page!i
+ endif
+ next
+
+ for %y page1 page2 page3
+
+ pagecreate(page={%y}) a 2020 2025
+ next
+ %pagelist="page1 page2 page3"
+ for %y {%pagelist}
+ pageselect {%y}
+ delete(noerr) grap
+ genr y=@cumsum(nrnd)
+ genr x=@cumsum(nrnd)
+ genr z=@cumsum(nrnd)
+ genr date=@date
+ ' graph grap3.line z
+ ' graph grap2.bar y
+ ' graph grap1.area x
+ ' freeze(grap,mode=overwrite) x.line
+ equation ols.ls y c x
+ freeze(mode=overwrite,tab) ols
+ next
+ 'wfsave mychunk
```

```
EViews> library(magrittr)
EViews>
EViews> mychunk$page3 %>% head
EViews>
EViews> mychunk$ols
EViews>
```

```
EViews> mychunk$tab
EViews>
EViews> mychunk$mati %>% head
```

1 R plots

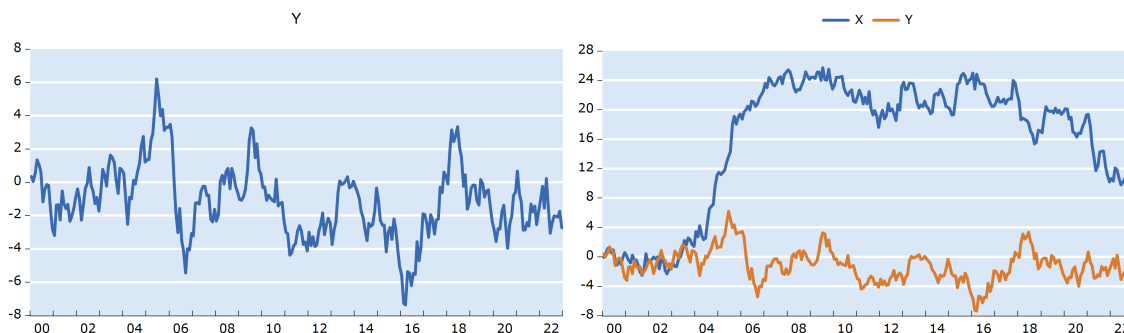
```
EViews> print(knitr::opts_current$get("sagir"))
EViews> print(knitr::opts_current$get("fig.show"))
EViews> y=cumsum(rnorm(100))
EViews> x=cumsum(rnorm(100))
EViews>
EViews> plot(x,y)
```

```
EViews> data=data.frame(y=runif(100),x=runif(100))
EViews> evIEWS_graph(data,save_path = "",frequency = "m",start_date = 1990,group = F,options = "m",graph
```

```
EViews> rwalk("x y z",num_observations = 100,frequency = "7",start_date = "1")
EViews>
EViews> evIEWS$xyz %>% head
EViews>
EViews> evIEWS_graph(evIEWS$xyz,group = T,graph_procs = "template midnight",graph_command = "line")
```

```
EViews> 'This is some comment in EViews program, feel free to write anything
+
+ wfcreate(page=EviewsR_page,wf=EviewsR_workfile) m 2000 2022
+ for %y sam package page1 page2
+ pagecreate(page={%y}) sam m 2000 2022
+ next
+ pageselect sam
+ rndseed 123456
+ genr y=@cumsum(nrnd)
+ genr x=@cumsum(nrnd)
+ equation OLS_EQUATION.ls y c x
+ freeze(OLS_EQUATION_TABLE,mode=overwrite) OLS_EQUATION
+ freeze(EviewsR_GRAPH,mode=overwrite) y.line
+ delete(noerr) EviewsR_GRAPH1
+ graph GRAPH1.line x y
+ save mygraph
```

```
EViews> import_graph("","mygraph","sam",graph_procs = "template magazine")
```



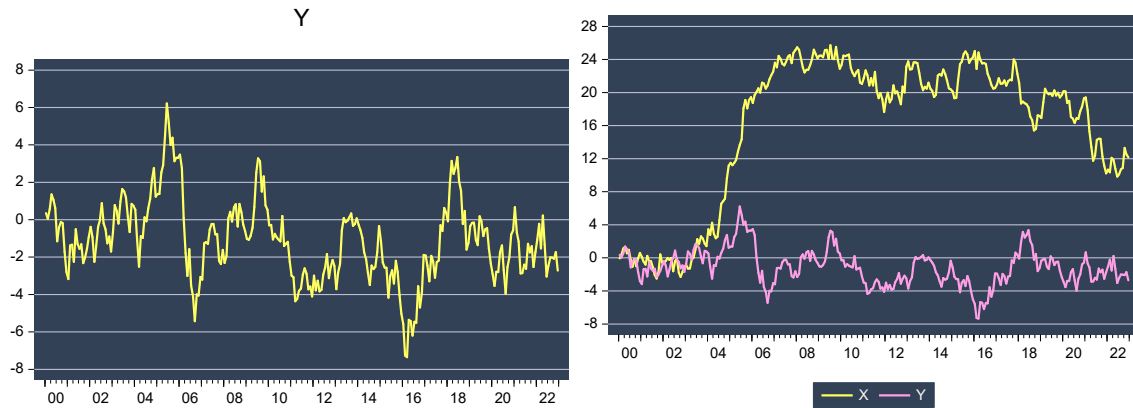


Figure 1: Dynamic figure

```
EViews> 'This is some comment in EViews program, feel free to write anything
+
+ wfcreate(page=EviewsR_page,wf=EviewsR_workfile) m 2000 2022
+ for %y EviewsR package page1 page2
+ pagecreate(page=%y}) EviewsR m 2000 2022
+ next
+ pageselect EviewsR
+ rndseed 123456
+ genr y=@cumsum(nrnd)
+ genr x=@cumsum(nrnd)
+ equation OLS_EQUATION.ls y c x
+ freeze(OLS_EQUATION_TABLE,mode=overwrite) OLS_EQUATION
+ freeze(EviewsR_GRAPH,mode=overwrite) y.line
+ delete(noerr) EviewsR_GRAPH1
+ graph EviewsR_GRAPH1.line x y
```

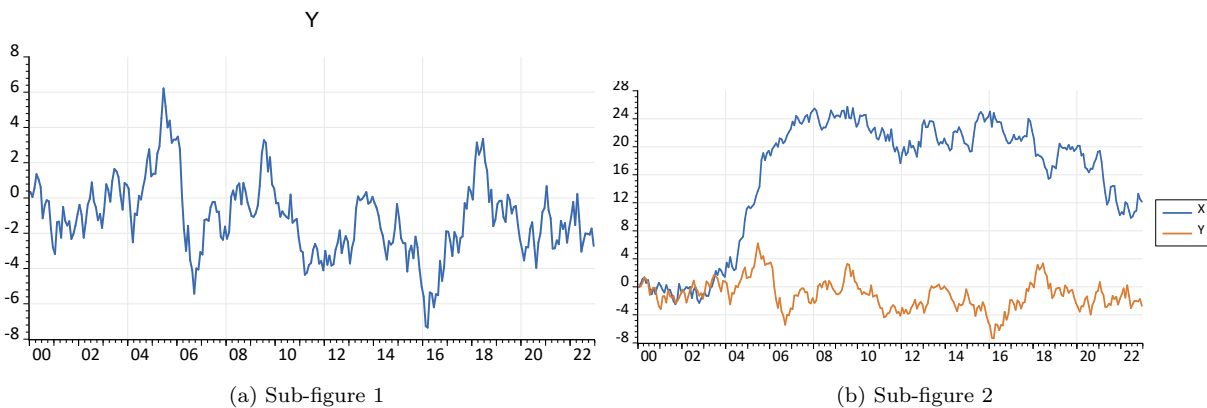


Figure 2: Dynamic figure automatically imported by eviews chunk

The R^2 of the ols equation object is 0.044951

```
EViews> EviewsR1$eviewsr_ols_equation_table
```

```
##          Dependent.Variable..Y          X          X.1
## 1          Method: Least Squares
```

```

## 2 Date: 06/30/22 Time: 14:23
## 3 Sample: 2000M01 2022M12
## 4 Included observations: 276
## 5
## 6 Variable Coefficient Std. Error
## 7
## 8 C -0.301413 0.260956
## 9 X -0.051410 0.014316
## 10
## 11 R-squared 0.044951 Mean dependent var
## 12 Adjusted R-squared 0.041465 S.D. dependent var
## 13 S.E. of regression 2.080343 Akaike info criterion
## 14 Sum squared resid 1185.825 Schwarz criterion
## 15 Log likelihood -592.8025 Hannan-Quinn criter.
## 16 F-statistic 12.89627 Durbin-Watson stat
## 17 Prob(F-statistic) 0.000390
## 18
## X.2 X.3
## 1
## 2
## 3
## 4
## 5
## 6 t-Statistic Prob.
## 7
## 8 -1.155033 0.2491
## 9 -3.591137 0.0004
## 10
## 11 -1.123598
## 12 2.124864
## 13 4.310163
## 14 4.336398
## 15 4.320691
## 16 0.200309
## 17
## 18

```

```
EViews> EviewsR1$reviewsr_ols_equation
```

```

## aic df coefs dw f fprob hq logl meandep
## 1 4.310163 274 -0.301413 0.200309 12.89627 0.00039 4.320691 -592.8025 -1.123598
## 2 NA NA -0.051410 NA NA NA NA NA NA
## ncoef pval r2 rbar2 regobs schwarz sddep se ssr
## 1 2 0.249083 0.044951 0.041465 276 4.336398 2.124864 2.080343 1185.825
## 2 NA 0.000390 NA NA NA NA NA NA NA
## stderrs tstats
## 1 0.260956 -1.155033
## 2 0.014316 -3.591137

```