ps2

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Empirical Question

```
library(tidyverse)
library(sandwich)
library(lmtest)
library(jtools)
library(sjPlot)
library(sjmisc)
library(sjlabelled)
library(estimatr)
library(haven)
library(ivreg)
library(oaxaca)
x<-rnorm(1000,mean = 0,sd=10)
df_ps2 <- data.frame()</pre>
stp='stp'
df_ps2 <- df_ps2 %>% add_column(stp)
df_ps2$stp <- as.double(df_ps2$stp)</pre>
i<-1
\#df_ps2 < -df_ps2 \% > \% \ add_row(stp=x[i]+df_ps2[1,1])
while (i < length(x)+1){
  if(i==1){
    df_ps2<-df_ps2 %>% add_row(stp=x[i])
  }else{
    t<-df_ps2[i-1,1]
    df_ps2 \leftarrow df_ps2 \%\% add_row(stp=x[i]+t)\#+df_ps2[i-1,1])
  }
  i=i+1
df_ps2$t <- seq.int(nrow(df_ps2))</pre>
fit<-lm(stp~t,data = df_ps2)</pre>
nw_m<-NeweyWest(fit)</pre>
nw_m
                (Intercept)
## (Intercept) 1424.917679 -2.414341628
                  -2.414342 0.005288256
```

```
library(zoo)
library(dynlm)
library(desk)
test<-qlr.test(fit,from = 150,to=850)</pre>
test
##
\mbox{\tt \#\#} QLR-Test for structural breaks at unknown date
## -----
##
## Hypotheses:
##
                        HO:
                                                  H1:
## No break in t = 150...850 Some break in t = 150...850
##
## Test results:
## f.value lower.cv upper.cv p.value sig.level HO
    291.3012 5.86 6.085 < 1e-04 0.05 rej.
##
##
##
## Number of periods considered:
                                701
## Period of break: 255
## Lambda value: 32.1111
```