> prescrip<-read.csv(file.choose(), header=TRUE)

> attach(prescrip)

> COST\_CLM

[1] 14.54708 14.67209 14.80160 14.61254 14.29674 14.32503 14.62313 15.13620

[9] 15.21997 15.75915 16.07239 16.11256 16.18262 16.45369 15.98852 16.16458

[17] 16.67333 16.50048 16.84832 16.59351 17.43912 17.98944 17.80312 18.51412

[25] 18.81800 19.21166 18.96502 18.79720 19.16668 18.97395 18.59330 19.33125

[33] 20.15026 20.98675 21.18684 21.88781 21.85776 22.47405 22.16013 21.95031

[41] 21.99894 21.89219 22.23643 23.03491 23.46581 24.65132 24.73391 25.28700

[49] 25.32644 25.78771 25.19883 25.41002 25.28996 24.57147 24.29247 25.49047

[57] 26.16846 27.08572 27.47660 28.21639 27.99084 28.15354 27.53914 27.90920

[65] 26.82556 27.97149 29.47726 30.66242

> COST\_CLM1=COST\_CLM[-1]

> COST\_CLM1

[1] 14.67209 14.80160 14.61254 14.29674 14.32503 14.62313 15.13620 15.21997

[9] 15.75915 16.07239 16.11256 16.18262 16.45369 15.98852 16.16458 16.67333

[17] 16.50048 16.84832 16.59351 17.43912 17.98944 17.80312 18.51412 18.81800

[25] 19.21166 18.96502 18.79720 19.16668 18.97395 18.59330 19.33125 20.15026

[33] 20.98675 21.18684 21.88781 21.85776 22.47405 22.16013 21.95031 21.99894

[41] 21.89219 22.23643 23.03491 23.46581 24.65132 24.73391 25.28700 25.32644

[49] 25.78771 25.19883 25.41002 25.28996 24.57147 24.29247 25.49047 26.16846

[57] 27.08572 27.47660 28.21639 27.99084 28.15354 27.53914 27.90920 26.82556

[65] 27.97149 29.47726 30.66242

> plot(TIME,COST\_CLM)



> #pLOT regression could be diff depending on the x-interval defined

> #The above just shift values via 1 unit time in progress

> diff = COST\_CLM1-COST\_CLM[1:(length(COST\_CLM)-1)]

> diff

[1] 0.12500668 0.12950897 -0.18905258 -0.31580258 0.02828694 0.29809951

[7] 0.51307488 0.08376884 0.53918076 0.31323814 0.04017067 0.07006455

[13] 0.27106094 -0.46516800 0.17606163 0.50875282 -0.17285537 0.34784126

[19] -0.25480843 0.84560776 0.55032540 -0.18632699 0.71100617 0.30387497

[25] 0.39366722 -0.24664497 -0.16781426 0.36947250 -0.19272804 -0.38064956

[31] 0.73795127 0.81900597 0.83649063 0.20009041 0.70097542 -0.03005409

[37] 0.61629104 -0.31392288 -0.20981407 0.04862213 -0.10674858 0.34424591

[43] 0.79847717 0.43090439 1.18550682 0.08259201 0.55308724 0.03943824

[49] 0.46127129 -0.58888245 0.21119309 -0.12005615 -0.71849060 -0.27900124

[55] 1.19799805 0.67799186 0.91725350 0.39088058 0.73979569 -0.22555542

[61] 0.16270446 -0.61439895 0.37005615 -1.08364296 1.14592934 1.50577545

[67] 1.18515778

> #The original var,Cost\_CLM WAS dependent obs related to each other

> #through time,to get independent obs,you can take the diff between

> #each value and then those will fluctuate and not be related to the previous

> # time points.now we have indiv obs

> plot(TIME,diff)

Error in xy.coords(x, y, xlabel, ylabel, log) :

'x' and 'y' lengths differ

> #These are not the same size,Time n=68 and diff n=67

> dim(prescrip)

[1] 68 10

> plot(TIME[1:67],diff)



> #This plot is now stationary in the mean as it has a constant average

> #y value through at any point or interval.however,it is still not

> #stationary in the variance.it has a magaphone shape and has a larger spread in the

> #right end than in the left end.