Graph\_for\_cointegration\_variables.R

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mydata <- read.csv("~/Desktop/Final DATA SET.csv")  
attach(mydata)  
  
require(zoo)

## Loading required package: zoo

## Warning: package 'zoo' was built under R version 3.2.5

##   
## Attaching package: 'zoo'

## The following objects are masked from 'package:base':  
##   
## as.Date, as.Date.numeric

require("dyn")

## Loading required package: dyn

## Warning: package 'dyn' was built under R version 3.2.5

Price1<-ts(mydata$Price,start=1986,frequency=4)  
Days1<-ts(mydata$Days,start=1986,frequency = 4)  
Caputil1<-ts(mydata$Caputil,start=1986,frequency = 4)  
Quota1<-ts(mydata$Quota,start=1986,frequency = 4)  
Cheat1<-ts(mydata$Cheat,start=1986,frequency = 4)  
  
plot\_colors <- c("blue","red","forestgreen","purple","black")  
plot\_colors

## [1] "blue" "red" "forestgreen" "purple" "black"

data\_use<-data.frame(Price1,Days1,Caputil1,Quota1,Cheat1)  
max\_y<-max(data\_use)  
plot(Price1, type="l", col=plot\_colors[1],ylim=c(0,max\_y),ann=FALSE)  
  
lines(Days1, type="l", pch=22, lty=2,   
 col=plot\_colors[2])  
lines(Caputil1, type="l", pch=23, lty=3,   
 col=plot\_colors[3])  
lines(Quota1, type="l", pch=24, lty=4,   
 col=plot\_colors[4])  
lines(Cheat1, type="l", pch=25, lty=5,   
 col=plot\_colors[5])  
  
title(main="Cointergrating Varibles", col.main="black", font.main=4)  
  
title(ylab= "Million Barrels per Day")  
names(data\_use)

## [1] "Price1" "Days1" "Caputil1" "Quota1" "Cheat1"

legend("bottomright", names(data\_use), cex=0.35  
 , col=plot\_colors,   
 lty=1:5, lwd=2, bty="n")

