##2020/11/06(五), 109學年第一學期 資料科學應用 R作業(2)

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##1.13(a)

lm.obj <- lm(airquality$Wind ~ airquality$Temp)

lm.anova <- anova(lm.obj)

lm.summary <- summary(lm.obj)

lapply(lm.anova,class )

##1.13(b)

lm.summary$r.squared

##1.20

getwd()

dir("data")

statlog\_vehicle <- read.delim("data/statlog\_vehicle\_846x18.txt")

head(statlog\_vehicle, n=5)

##1.28

getwd()

dir("data")

stock <- read.delim("data/stock-data.txt")

head(stock, n=6,skep=1)

lapply(stock,class)

##1.33(a)

Dates <-c("0924", "1112", "1231", "1105", "0604", "0219", "0416", "0611", "0813", "1029")

Time <- c("01:00", "04:00", "16:00", "23:00", "08:00", "09:00", "07:00", "17:00", "03:00", "14:00")

Items <- c('shirt', 'shirt', 'pants', 'jacket', 'jacket', 'shirt', 'jacket', 'jacket', 'shoes', 'shirt')

Volume <- c(7951, 159,1958, 6848, 3762, 3678, 8696, 9045, 6208, 1425)

DateTime <-paste(Dates, Time)

DateTime

mySale <- data.frame(DateTime, Items, Volume )

mySale

str(mySale)

##1.33(b)

Item\_July <- mySale$Items[DateTime >= "0416 07:00"]

Item\_July

Volume\_July <- sum(mySale$Volume[DateTime >= "0416 07:00"])

Volume\_July