Andrew Chin – Error Log

Browse[2]> #==Question 1e

Error: unable to quit when browser is active

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Bug: I panicked and tried to quit when I ran the whole script

Solution: Tapping ‘Enter’ key and continuing to run the script

> legend(x="topleft",

+ legend =c("Black Sea", "NAFO", "ICES"),

+ lty = c(2,2,2),

+ col = c("black", "red", "green"),

+ box.lty = "n")

Error in rect(left, top, r, b, angle = angle, density = density, ...) :

invalid line type: must be length 2, 4, 6 or 8

Bug: I used the wrong argument (‘box.lty’ =), which asks for the color of the legend box.

Solution: Use ‘bty = n’, which removes the box outline around the legend.

> #==Question 2a

> as.Date(1/1/2010:6/30/2010, format:'%m/%d/%Y')

Error in format:"%m/%d/%Y" : NA/NaN argument

In addition: Warning message:

In as.Date(origin, ...) : NAs introduced by coercion

Bug: Used wrong call to set dates

Solution: Use the seq.Date() function

> seq.Date(from = "1/1/2010", to = "6/30/2010", by = "day")

Error in seq.Date(from = "1/1/2010", to = "6/30/2010", by = "day") :

'from' must be a "Date" object

> seq.Date(from = as.Date("1/1/2010"), to = as.Date("6/30/2010"), by = "day")

Error in charToDate(x) :

character string is not in a standard unambiguous format

Bug: forgot the ‘format’ argument

Solution: add ‘format = “%m/%d/%Y’

> merge(x=c(as.data.frame(rnorm(mean = 40, sd = 5, n = 31)), as.data.frame(rnorm(mean = 42, sd = 5, n = 28)), as.data.frame(rnorm(mean = 51, sd = 5, n = 31)), as.data.frame(rnorm(mean = 55, sd = 5, n = 30)), as.data.frame(rnorm(mean = 58, sd = 5, n = 31)), as.data.frame(rnorm(mean = 62, sd = 5, n = 30))))

Error in (function (..., row.names = NULL, check.rows = FALSE, check.names = TRUE, :

arguments imply differing number of rows: 31, 28, 30

Bug: the merge() doesn’t like merging dataframes of differing lengths (?)

Solution: simplify code to use rnorm(), and use a vector of mean temperatures

> factor(

+ difftime(as.Date(1/1/2010, format="%m/%d/%Y"), as.Date(7/31/2010, format="%m/%d/%Y"),

+ labels(c("sunny", "cloudy", "partly cloudy"))))

Error in as.Date.numeric(1/1/2010, format = "%m/%d/%Y") :

'origin' must be supplied

> factor(

+ difftime(as.Date("1/1/2010"), as.Date("7/31/2010"),

+ labels(c("sunny", "cloudy", "partly cloudy")))

+ )

Error in charToDate(x) :

character string is not in a standard unambiguous format

Bug: factors cannot stack like this

Solution: break this up into two objects; use seq.Date() to count days, and use factor() create a dataframe of factors for conditions

> factor(seq(1:3, length.out=difftime(as.Date("1/1/2010", format="%m/%d/%Y"), as.Date("7/31/2010", format="%m/%d/%Y"), units = "days")),

+ labels(c("sunny", "cloudy", "partly cloudy"))))

Error: unexpected ')' in:

"factor(seq(1:3, length.out=difftime(as.Date("1/1/2010", format="%m/%d/%Y"), as.Date("7/31/2010", format="%m/%d/%Y"), units = "days")),

labels(c("sunny", "cloudy", "partly cloudy"))))"

> factor(seq(1:3, length.out=difftime(as.Date("1/1/2010", format="%m/%d/%Y"), as.Date("7/31/2010", format="%m/%d/%Y"), units = "days")),

+ labels(c("sunny", "cloudy", "partly cloudy")))

Error in seq.default(1:3, length.out = difftime(as.Date("1/1/2010", format = "%m/%d/%Y"), :

'from' must be of length 1

> factor(seq(from = 1, to = 3, length.out=difftime(as.Date("1/1/2010", format="%m/%d/%Y"), as.Date("7/31/2010", format="%m/%d/%Y"), units = "days")),

+ labels(c("sunny", "cloudy", "partly cloudy")))

Error in seq.default(from = 1, to = 3, length.out = difftime(as.Date("1/1/2010", :

'length.out' must be a non-negative number

> factor(seq(from = 1, to = 3, length.out=-(difftime(as.Date("1/1/2010", format="%m/%d/%Y"), as.Date("7/31/2010", format="%m/%d/%Y"), units = "days"))),

+ labels(c("sunny", "cloudy", "partly cloudy")))

Error in `/.difftime`(del, n1) :

second argument of / cannot be a "difftime" object

> factor(seq(from = 1, to = 3, length.out = 211,

+ labels(c("sunny", "cloudy", "partly cloudy")))

+ )

Error in seq.default(from = 1, to = 3, length.out = 211, labels(c("sunny", :

too many arguments

Bug: tried to get cute to get around having to set an object for the length.out argument in seq(); also forgot

Solution: create a date/time series object, use length() on a date/time series object for sample size (‘n =’) arguments in determining other dataframes

> max.col(weather)

[1] NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA

[23] NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA

[45] NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA

[67] NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA NA

[89] NA NA NA

Warning message:

In max.col(weather) : NAs introduced by coercion

Bug: max.col() doesn’t like non-numeric values in its columns

Solution: use apply() with FUN=max argument