**Dates and Times in R Homework Assignment**

**1.**  You want R to read your date-time observations as a POSIXt date class, but currently these data are in an ambiguous format that POSIXt cannot read. Convert the following data observations into an unambiguous form and then convert to a POSIXlt class. Each observation is the same date and time( July 4th, 1995 22:05:00) but currently listed in different formats. Each observation should be listed under the Eastern time zone.

1. 19950704
2. 19950704220500
3. 04071995220500
4. 7-04-1995 22:05:00
5. 07/04/1995 220500

**2.**  Using meteorological data from Harvard Forest, covert the datetime column to POSIXct class. Then, make a scatterplot in ggplot showing relative humidity (rh) as a function of time (EST) on January 1st, 2015. Scale your x axis to every 2 hours with hours and minutes labeled. To do this, use the function scale\_x\_datetime () to set the x axis scale parameters.

* To download the date, go to “Dates and Times” Reading from this week and download the “NEON Teaching Data Subset: Meteorological Data for Harvard Forest”
* Read the csv using this code:

harv\_met <- read.csv("NEON-DS-Met-Time-Series/HARV/FisherTower-Met/hf001-10-15min-m.csv", stringsAsFactors = FALSE)