Part 1:

Differences between CSV, TXT, RData (Env), XLSX, RDS (part 2??)

More debugging/errors?? Middle of for loop debugging?

~~Redo images (especially 1-03 to 1-07)~~

Applications: User letters or numbers for all

Functions all outside of scripts and more debugging

~~Add extension: & vs && to lesson (be more consistent with & and &&)~~

Way to introduce nested for loops? – Wait until matrices (2D data) in second part of class

Part 2:

Session variables: set.seed(), working directory, show.line.numbers, sink()

Check Which() and %in% -- 2nd class

Nested for loops to make a matrix (GLCisco\_age)

(X: length, y: time, in cells: age)

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Expand Grid example (pairing data

* A way to do this with weatherData?

GGPlot 🡪 Base R

Humidity vs. Temp plot 🡪 replace with chicken data

Better example of a List to modify (Lisa)

Apply:

put: lapply and sapply in extension

Stat Test (lesson 2-9): Chickweight data, use this <https://cran.r-project.org/web/packages/RTMB/vignettes/RTMB-introduction.html>

Expand Grid:

<https://www.wpc.ncep.noaa.gov/html/heatindex_equation.shtml>

**HI = 0.5 \* {T + 61.0 + [(T-68.0)\*1.2] + (RH\*0.094)}**

**Range of humidity/temp 🡪 get eat index, make heat map**