**READ ME**

**Before beginning in R Studio read this file!**

Attached to this Qubes lesson is the Authors’ data that they gathered in the field. This data is found in the “**LeafDecomp.csv**” file, and it is the master-file data for our Qubes Lesson. It is an altered dataset from the authors’ original dataset that can be found here: <https://datadryad.org/stash/dataset/doi:10.5061/dryad.j2p05q3>

* Data for Day = 0 was given as 100% Remaining Leaf litter
* Overall dataset was cleaned up for easier integration into R

Attached to this lesson are two other data files:

* **Stream\_Decomposition\_Rates\_Table.csv (Each Streams Decomposition rate for leaf litter)**
  + This table is about the six streams leaf litter decomposition rates when considering each of the 3 replicates performed for each stream
  + This table will be filled in by the students from the analyses performed in Part 1 of the R markdown.
* **ImpSA\_DecompRate.csv (Impervious Surface Area and Decomposition rate per Stream)**
  + This table is about the Impervious surface area and Decomposition rate of leaf litter
  + This table will be a combination of the decomposition rates found in the linear regressions of Part 1 and the impervious surface area (%) of Table 1 from the Authors’ paper.
  + This table will be used in Part 2 of the analysis.

Sometimes, downloading files from Qubes will alter the name of the file by adding a dash and some numbers at the end of the file. Make sure that if this happens then you manually remove the extra values so that datasets are read correctly into R and no issues arise with opening other files. They should be renamed as followed:

* Presentation1.mp4
* Presentation1.pptx
* Instructor Version.pdf
* Student Version.pdf
* Leaf litter decomposition and macroinvertebrate assemblages along an urban stream gradient in Puerto Rico.pdf
* RLesson.Rmd
* LeafDecompData.csv
* ImpSA\_DecompRate.csv
* Stream\_Decomposition\_Rates\_Table.csv