Introductory R workshop using Data Carpentry and Cayo Santiago rhesus macaque demographic data

1. Access the [Data Carpentry's R workshop](#)

2. Access the video [Introduction to RStudio](#) This short video can be seen together with the Data Carpentry's "Before We Start" section.

3. Once you carry out sections 1-4 of the Data Carpentry workshop, try your knowledge with Cayo Santiago rhesus data:

a) Following the Data Carpentry suggestions, create a working directory folder and structured it as recommended.

b) Upload the Cayo Santiago female rhesus macaque data from [Dryad](#) into RStudio and create an R script to explore:

    a. how many individuals the dataset has?

    b. what variables the dataset has?

    c. what is the class of each variable?

    d. are levels of each variable the same?

    e. is there missing data?

Challenge practice for data management:

1. Once you import the Cayo Santiago female rhesus macaque data file from Dryad in RStudio, name it "demo".

2. Create a new column in demo for age at death and another for age at removal (and estimate it).

3. Create a subset of demo ("demo_2010") for individuals that died or were removed in 2010.
    a. How many females died or were removed in 2010?

4. Create a new table for mean age at death and mean age at removal for the entire dataset.

5. Export the data to the data_output file.

Don't forget to save your R script!!

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