R Programming
LAB WEEK 2

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For most of you, this will be your first time using R. Todays goal is to get familiar with some of the basic tools and uses for R.

Exercise 1: Proper setup

- **Load the chickweight dataset, and show the first 11 rows**
- **Find the description of the dataset**
- **How many rows and columns are in the dataset?**

Exercise 1: Proper setup

Use the console to access the list of built-in data sets that come packaged in the R package.

Exercise 2: Something fun

- **Let's create a vector and name it V_1**

- **Make another vector called V_3 by adding the first vector (V_1) and all the numbers under the variable "Weight"**

- **Show the third and last element of the vector V_3**
  - Bonus: How would you append V_3 in a new empty Vector V_4 (use a loop)?

Exercise 3: More Vectors!

- **Create a Vector that contains numbers from 1-100 and call it V_5**

- **Find all multiples of 7 below 444 and append these vectors into V_5**

- **Give each variable in V_5 a column label, 1 being the first variable until the end of the vector.**

Exercise 4: Extracting elements

- Extract the 11th, 22nd, and 5th element of the named vector V_5

- Extract all odd elements in the vector V_5

- What if we want to see all the odd elements of V_5, except for the even positions in all off elements of V_5?