# Introduction to R programming
## AGRON 5130

### Caio dos Santos

## Introduction

My main objectives with this first assignment are to get to know you a little better, which will help me shape the class to some extent, and verify that your R and R Studio installations are working properly. Submit a knitted PDF generated from an R Markdown file to Canvas.

## Question 1

Write a short paragraph introducing yourself. Include:

- Your background (education and work)
- Why you are taking this course
- One way you expect to use data or statistics in your professional work

## Question 2

Write valid R commands that will conduct the following mathematical operations:

a. $2 + 2$
b. $3 \times 9$
c. $\sqrt{16}$

## Question 3

Create a vector named "my_vector" and store the values 2, 4, 6, and 8 in this vector.

## Question 4

Now, let's find out how many elements this vector has. Use the function "length" to count the number of values in the object "my_vector".

## Question 5

Multiply all elements in the object "my_vector" by 2

## Question 6

Multiply the first element in the object "my_vector" by 1, the second element by 2, the third element by 3, and the fourth element by 4. Hint: You may want to create another vector.

## Question 7

In your own words, explain at a high level what the following piece of code does. You do not need to explain each line.

```
for (i in 1:5) {

print(i)

}
```