Introduction to R programming
AGRON 5130

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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

2 points

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

1 point each; 3 points total

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

a. $2 + 2$
b. 3×9
c. $\sqrt{16}$

Question 3

2 points

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

Question 4

1 point

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

2 points

Multiply all elements in the object "my_vector" by 2

Question 6

3 points

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

2 points

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

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

print(i)

}
```