

# Exercise 1.1 - Introduction to R in Ecology, Part 1

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## Exercise 1. Simple calculation and variable assignment

1. Open RStudio. The console window gives you some information about the version of R you are running, and it gives the prompt `<`. This prompt is waiting for you to input a command. Let's use R as a simple calculator: type 5 and hit *enter*. What you should see is the following:

```
# Some simple addition  
2 + 3
```

```
## [1] 5
```

2. Please create a new variable called *a* and assign the value 5 to that variable using the `<-` assignment operator. Then add `a+5`. Make sure the displayed answer is 10.
3. Let's work with a *vector* in R. First, create a new variable called *b* and assign it 3 values: 5, 13, and 2. Then index the 3rd value using `b[3]`. Finally, use `b[3] <- 16` to change the 3rd value of *b* to 16.

```
## [1] 5 13 2
```

```
## [1] 2
```

```
## [1] 5 13 16
```

4. Let's use some built in functions in base R. Please use the `sqrt` command to calculate  $\sqrt{16}$  and  $\sqrt{67}$ .