

Tutorial 10 - Working with data and custom functions

Defining custom functions

What general components are involved in defining a custom function?

Defining a custom function

```
myMean<-function(x){  
  n=length(x)  
  total=sum(x)  
  average=total/n  
  
  return(average)  
}
```

functions and scoping

local v. global environment

Challenge:

- ▶ write a custom function that takes a series of numbers and returns half of the minimum value in the series
- ▶ change the function you just created to take an argument that allows the user to specify what to divide the minimum value in the series by; set a default value of 2 for that argument
- ▶ make a script that demonstrates local vs global environments