

# Day 9 Cheatsheet

## Functions

### Why create your own functions?

- Cut down on repetitive code (easier to fix things!)
- Organize code into manageable chunks
- Avoid running code unintentionally
- Use names that make sense to you

Syntax for a function is:

```
functionName <- function(inputs) {  
  # Document your inputs here  
  <function body>  
  return(value)  
}
```

## Functions

Library/Package	Piece of code	Example of usage	What it does
Base R	<code>lapply()</code>	<code>lapply(some_list, a_function )</code>	Apply a function over a list or vector.
Base R	<code>sapply()</code>	<code>sapply(some_list, a_function )</code>	Apply a function over a list or vector but by default returns a matrix or vector.

\* This format was adapted from the [cheatsheet format from AlexsLemonade](#).