

# 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.