

# 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,<br/>a_function)</code> | Apply a function over a list or vector.   |
| Base R          | <code>sapply()</code> | <code>sapply(some_list,<br/>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.