

The map command from purr

The map command from the purr package allows us to perform the same operation across multiple elements. In our example we have the following:

```
sheetNames_to_process <- c("18-19", "17-18", "16-17")
```

For each of these names, we want to perform read_excel(path, sheetName). To do this in R we will create a function:

```
getSheet <- function(sheetName) {  
  read_excel(path, sheetName,  
    rename_at(vars(ends_with("Level")), function(x) "Level") %>%  
    drop_na(Level) %>%  
    filter('Assigned Librarian' %in% librarians) %>%  
    mutate('Section 1' = parse_date('Section 1', format="%m/%d/%y")) %>%  
    mutate(year=sheetName)  
}  
  
sheets <- map(sheetNames_to_process, getSheet)
```

Now sheets is a list of three tibbles, one for each year. If we get more years, we'll also automatically see more entries in the list.