Motivation for Functional Programming in R

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Note: This is from *Functional Programming in R* <https://github.com/Emaasit/Functional-Programming-in-R> by Daniel Emaasit

## Motivation

Advantages of FP:

* makes code more compact
* removes duplication
* makes code easy to understand

The “DRY” Principle: “Do not repeat yourself”

fix\_missing <- function(x) {  
 x[x == -99] <- NA  
 x  
}  
df[] <- lapply(df, fix\_missing)  
  
df[1:5] <- lapply(df[1:5], fix\_missing)

### Removing duplication

find\_summary <- function(x) {  
 funs <- c(mean, median, sd, mad, IQR)  
 lapply(funs, function(f) f(x, na.rm = TRUE))  
}