Palmer Penguins Analysis

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library(palmerpenguins)

##   
## Attaching package: 'palmerpenguins'

## The following objects are masked from 'package:datasets':  
##   
## penguins, penguins\_raw

numeric\_means <- apply(penguins[, sapply(penguins, is.numeric)], 2, mean, na.rm = TRUE)  
numeric\_means

## bill\_length\_mm bill\_depth\_mm flipper\_length\_mm body\_mass\_g   
## 43.92193 17.15117 200.91520 4201.75439   
## year   
## 2008.02907

species\_counts <- tapply(penguins$species, penguins$species, length)  
species\_counts

## Adelie Chinstrap Gentoo   
## 152 68 124

bill\_length\_means <- lapply(split(penguins$bill\_length\_mm, penguins$species), mean, na.rm = TRUE)  
bill\_length\_means

## $Adelie  
## [1] 38.79139  
##   
## $Chinstrap  
## [1] 48.83382  
##   
## $Gentoo  
## [1] 47.50488

summary\_table <- sapply(penguins[, sapply(penguins, is.numeric)], function(x) {  
 c(mean = mean(x, na.rm = TRUE), sd = sd(x, na.rm = TRUE))  
})  
summary\_table

## bill\_length\_mm bill\_depth\_mm flipper\_length\_mm body\_mass\_g year  
## mean 43.921930 17.151170 200.91520 4201.7544 2008.0290698  
## sd 5.459584 1.974793 14.06171 801.9545 0.8183559