RStudio

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```r
# Data for Class A and Class B
class_a <- c(...)
class_b <- c(51, 56, 64, 60, 59, 70, 63, 66, 50)

# Calculate mean, median, and range for each class
mean_a <- mean(class_a)
mean_b <- mean(class_b)
median_a <- median(class_a)
median_b <- median(class_b)
range_a <- max(class_a) - min(class_a)
range_b <- max(class_b) - min(class_b)

# Determine which class scored higher mean, median, and range
mean_comparison <- ifelse(mean_a > mean_b, "Class A", "Class B")
median_comparison <- ifelse(median_a > median_b, "Class A", "Class B")
range_comparison <- ifelse(range_a > range_b, "Class A", "Class B")

# Print the results
cat("Mean:", mean_comparison, "had a higher mean.\n")
cat("Median:", median_comparison, "had a higher median.\n")
```

cov_bc	143.333333333333
mean_a	65.7777777777778
mean_b	62.1111111111111
mean_comparison	"Class A"
median_a	66
median_b	60
median_comparison	"Class A"
min_max_normalized	num [1:5] 0 0.125 0.25 0.5 1
num_bins	3
prices	num [1:31] 1 1 5 5 5 5 5 8 8 10 ...
range_a	69
range_b	34
range_comparison	"Class A"

```r
> # Determine which class scored higher mean, median, and range
> mean_comparison <- ifelse(mean_a > mean_b, "Class A", "Class B")
> median_comparison <- ifelse(median_a > median_b, "Class A", "Class B")
> range_comparison <- ifelse(range_a > range_b, "Class A", "Class B")
> # Print the results
> cat("Mean:", mean_comparison, "had a higher mean.\n")
Mean: Class A had a higher mean.
> cat("Median:", median_comparison, "had a higher median.\n")
Median: Class A had a higher median.
> cat("Range:", range_comparison, "had a higher range.\n")
Range: Class A had a higher range.
> # Plot boxplot
> boxplot(class_a, class_b, names = c("Class A", "Class B"), col = c("skyblue", "lightgreen"),
+         main = "Comparison of Exam Scores for Class A and Class B",
+         ylab = "Scores", xlab = "Class")
```