## Screen Time Usage Project

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```
library(ggplot2)
## Warning: package 'ggplot2' was built under R version 4.3.3
library(readxl)
library(tidyverse)
## -- Attaching core tidyverse packages ----- tidyverse 2.0.0 --
## v dplyr
              1.1.4
                       v readr
                                     2.1.5
## v forcats 1.0.0
                        v stringr
                                     1.5.1
## v lubridate 1.9.3
                        v tibble
                                     3.2.1
## v purrr
              1.0.2
                        v tidyr
                                     1.3.1
## -- Conflicts -----
                             ----- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()
                     masks stats::lag()
## i Use the conflicted package (<a href="http://conflicted.r-lib.org/">http://conflicted.r-lib.org/</a>) to force all conflicts to become error
ScreenTime <- read_excel("C:/Users/Daniel Kouassi/Desktop/Spring 2024/DATA 211 -50 Data Science/Data/Science
# Convert Worked variable to factor
ScreenTime$Worked <- factor(ScreenTime$Worked, levels = c("No", "Yes"))</pre>
# Perform one-sample t-test
t.test(ScreenTime$Daily_Screen_TimeInHours_Usage ~ ScreenTime$Worked, alternative = "less")
##
## Welch Two Sample t-test
## data: ScreenTime$Daily_Screen_TimeInHours_Usage by ScreenTime$Worked
## t = 3.7798, df = 7.8762, p-value = 0.9972
## alternative hypothesis: true difference in means between group No and group Yes is less than 0
## 95 percent confidence interval:
        -Inf 2.529443
##
## sample estimates:
## mean in group No mean in group Yes
##
           5.425000
                              3.730769
boxplot <- ggplot(ScreenTime, aes(x = Worked, y = ScreenTime$Daily_Screen_TimeInHours_Usage, fill = Worked, y = ScreenTime
  geom_boxplot() +
```

## Warning: Use of 'ScreenTime\$Daily\_Screen\_TimeInHours\_Usage' is discouraged.
## i Use 'Daily\_Screen\_TimeInHours\_Usage' instead.

## Boxplot of Daily Screen Time Usage

