# **Untitled**

#### Homework 3

### Part 1. Setup

```
# read in libraries
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 ggplot2 3.5.1 v tibble 3.2.1
v lubridate 1.9.4
                    v tidyr
                                1.3.1
v purrr
          1.0.4
-- 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
library(here)
here() starts at /Users/tanveersingh/github/ENVS-193DS_homework-03
library(flextable)
Attaching package: 'flextable'
The following object is masked from 'package:purrr':
    compose
```

# 

#### Part 2. Problems

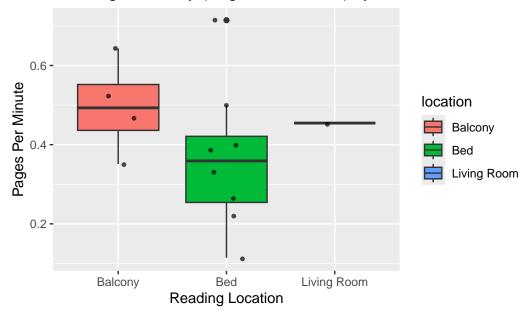
a.

To summarize the data and compare a response variable between categories, I could calculate the pages per minute for each session to compare reading effectiveness across different locations. This comparison would be informative because different environments might offer varying levels of comfort or light, which could impact my focus, and consequently, how well I understood the material.

i Specify the column types or set `show\_col\_types = FALSE` to quiet this message.

b.

## Reading Efficiency (Pages Per Minute) by Location



#### c.

Data collected from reading sessions between May 12-26, 2025. Efficiency measured as pages read per minute

#### d.

```
table1 <- flextable(mean_pages_per_minute) |>
  colformat_double(j = "Mean_PPM", digits = 1) |>
  autofit() |>
  theme_booktabs() |>
  align(align = "center", part = "all")

table1
```

Location	Mean_PPM
Balcony	0.5
Bed	0.4
Living Room	0.5