

Worksheet 12 - reprex

Monday, March 10, 2025

DS 002R - Jo Hardin

Name: _____

Names of people you worked with: _____

What is your favorite unknown (or at least not well-known) place on campus?

Task: The goal is to filter for scores above 80 and then calculate the average. I don't know what is going on with my code!

```
filter(score > 80)
mean(high_scores)
```

reprex() output:

```
filter(scores > 80)
#> Error: object 'scores' not found
mean(high_scores)
#> Error: object 'high_scores' not found
```

Provide a few ways that the code snippet could be improved on so that the `reprex()` would be more helpful for the person writing the code.

Solution:

- There is no package called, need `library(tidyverse)`.
- There is no dataset for the `filter()` verb, what is the `scores` object?
- The `high_scores` object does not exist.
- The problem of the user is not clearly defined.

A better reprex:

I want to take the average of all the scores above 80. I don't know why my code is producing NA values.

```
library(tidyverse)

df <- data.frame(name = c("Alice", "Bob", "Charlie", "Dana"),
                 score = c(95, 80, 88, 72))

high_scores <- filter(df, score > 80)
average_score <- mean(high_scores)
average_score
```

reprex() output:

```
library(tidyverse)

df <- data.frame(name = c("Alice", "Bob", "Charlie", "Dana"),
                 score = c(95, 80, 88, 72))

high_scores <- filter(df, score > 80)
average_score <- mean(high_scores)
#> Warning in mean.default(high_scores): argument is not numeric or logical:
#> returning NA
average_score
#> [1] NA
```