Midterm

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2023-05-07

## Problem 1

1. Ho = the mean phosphorus content in the burned and unburned sites is not significantly different. Ha = there is a significant difference between mean phosphorus content in the soil of the burned and unburned sites.
2. t-test to determine if the mean of the two areas is significantly different.
3. To perform a successful student’s t-test, we assume that the data sets are evenly distributed and have an equal variance.
4. if the data sets had an unequal variance we could perform a Welch’s t-test.
5. Ho = the mean phosphorus content of the soil before and after the fire is not significantly different. Ha =

## Problem 2

## Warning in read.table(file = file, header = header, sep = sep, quote = quote, :  
## not all columns named in 'colClasses' exist

## Warning: Using `size` aesthetic for lines was deprecated in ggplot2 3.4.0.  
## ℹ Please use `linewidth` instead.  
## This warning is displayed once every 8 hours.  
## Call `lifecycle::last\_lifecycle\_warnings()` to see where this warning was  
## generated.

