Problem Set Example 6

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compare <- data.frame(group1 = c(4, 8, 9, 10, 9),  
 group2 = c(3, 2, 2, 4, 1))  
compare

## group1 group2  
## 1 4 3  
## 2 8 2  
## 3 9 2  
## 4 10 4  
## 5 9 1

## What are our two hypotheses

H0: H1:

## Get the means for both groups

## Get the n for both groups

## Get the df and sum of squares values for both groups

## What are the variance and standard deviation values for both groups

## calculate the standard error for both groups

## Get the standard error of the differences between groups

## If those groups are different, remember to correct for different n sizes in each group

## What are the degrees of freedom to use for our t-table

## what is our t-obtained value

## Is it significant?