Abnormal Psych Lab Fall 2023

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## Test of Differences in WORRY (PSWQ)

t.test(data$PSWQ\_Total\_pre, data$PSWQ\_Total\_post, paired = T)

##   
## Paired t-test  
##   
## data: data$PSWQ\_Total\_pre and data$PSWQ\_Total\_post  
## t = 3.8367, df = 20, p-value = 0.00103  
## alternative hypothesis: true difference in means is not equal to 0  
## 95 percent confidence interval:  
## 3.693941 12.496536  
## sample estimates:  
## mean of the differences   
## 8.095238

mean(data$PSWQ\_Total\_pre) # Mean pre

## [1] 60.85714

sd(data$PSWQ\_Total\_pre) # SD pre

## [1] 11.17267

mean(data$PSWQ\_Total\_post) # Mean pre

## [1] 52.7619

sd(data$PSWQ\_Total\_post) #SD pre

## [1] 12.17335

## Test of Differences in Anxiety (PSWQ)

t.test(data$GAD7\_Total\_pre, data$GAD7\_Total\_post, paired = T)

##   
## Paired t-test  
##   
## data: data$GAD7\_Total\_pre and data$GAD7\_Total\_post  
## t = 3.9902, df = 20, p-value = 0.0007198  
## alternative hypothesis: true difference in means is not equal to 0  
## 95 percent confidence interval:  
## 2.022533 6.453657  
## sample estimates:  
## mean of the differences   
## 4.238095

mean(data$GAD7\_Total\_pre) # Mean pre

## [1] 16.61905

sd(data$GAD7\_Total\_pre) # SD pre

## [1] 5.229495

mean(data$GAD7\_Total\_post) # Mean post

## [1] 12.38095

sd(data$GAD7\_Total\_post) # SD post

## [1] 3.138092

## Test of Differences in Flourishing (Flourishing Scale)

t.test(data$Flourishing\_Total\_pre, data$Flourishing\_Total\_post, paired = T)

##   
## Paired t-test  
##   
## data: data$Flourishing\_Total\_pre and data$Flourishing\_Total\_post  
## t = -1.2507, df = 20, p-value = 0.2255  
## alternative hypothesis: true difference in means is not equal to 0  
## 95 percent confidence interval:  
## -5.335679 1.335679  
## sample estimates:  
## mean of the differences   
## -2

mean(data$Flourishing\_Total\_pre) # Mean pre

## [1] 48.47619

sd(data$Flourishing\_Total\_pre) # SD pre

## [1] 10.87023

mean(data$Flourishing\_Total\_post) # Mean post

## [1] 50.47619

sd(data$Flourishing\_Total\_post) # SD post

## [1] 8.170796

## Test of Differences in Positive Emotions

t.test(data$PANAS\_Pos\_pre, data$PANAS\_Pos\_post, paired = T)

##   
## Paired t-test  
##   
## data: data$PANAS\_Pos\_pre and data$PANAS\_Pos\_post  
## t = -0.27194, df = 20, p-value = 0.7885  
## alternative hypothesis: true difference in means is not equal to 0  
## 95 percent confidence interval:  
## -3.715982 2.858839  
## sample estimates:  
## mean of the differences   
## -0.4285714

mean(data$PANAS\_Pos\_pre) # Mean pre

## [1] 32.28571

sd(data$PANAS\_Pos\_pre) # SD pre

## [1] 7.369823

mean(data$PANAS\_Pos\_post) # Mean post

## [1] 32.71429

sd(data$PANAS\_Pos\_post) # SD post

## [1] 8.809897

## Test of Differences in Negative Emotions

t.test(data$PANAS\_Neg\_pre, data$PANAS\_Neg\_post, paired = T)

##   
## Paired t-test  
##   
## data: data$PANAS\_Neg\_pre and data$PANAS\_Neg\_post  
## t = 2.9436, df = 20, p-value = 0.008031  
## alternative hypothesis: true difference in means is not equal to 0  
## 95 percent confidence interval:  
## 1.470716 8.624522  
## sample estimates:  
## mean of the differences   
## 5.047619

mean(data$PANAS\_Neg\_pre) # Mean pre

## [1] 25.42857

sd(data$PANAS\_Neg\_pre) # SD pre

## [1] 8.053393

mean(data$PANAS\_Neg\_post) # Mean post

## [1] 20.38095

sd(data$PANAS\_Neg\_post) # SD post

## [1] 5.843596