

Statistic_review_words.R

OR

2020-06-20

```
library(readxl)
```

```
## Warning: package 'readxl' was built under R version 3.5.3
```

```
#####  
###      ###  
###symptom###  
###      ###  
#####  
  
SYMPTOM<- read_excel("C:/Users/OR/Desktop/smartCities/corona_and_anxiety/symptom.xlsx")  
  
symptom20<- SYMPTOM[c(4:155),2]  
symptom.20 <- as.numeric(as.vector(symptom20$Column2))  
  
symptom19<- SYMPTOM[c(4:155),4]  
symptom.19 <- as.numeric(as.vector(symptom19$Column4))  
  
t.test(symptom.20, symptom.19, alternative = "greater", mu=0 ,paired = TRUE, conf.level = 0.95)
```

```
##  
## Paired t-test  
##  
## data: symptom.20 and symptom.19  
## t = 11.637, df = 151, p-value < 2.2e-16  
## alternative hypothesis: true difference in means is greater than 0  
## 95 percent confidence interval:  
## 13.85433 Inf  
## sample estimates:  
## mean of the differences  
## 16.15132
```

```
#####  
###      ###  
###unemployment###  
###      ###  
#####  
  
UNEMPLOYMENT<- read_excel("C:/Users/OR/Desktop/smartCities/corona_and_anxiety/unemployment.xlsx")  
  
unemployment20<- UNEMPLOYMENT[c(4:155),2]  
unemployment.20 <- as.numeric(as.vector(unemployment20$Column2))  
  
unemployment19<- UNEMPLOYMENT[c(4:155),4]  
unemployment.19 <- as.numeric(as.vector(unemployment19$Column4))  
  
t.test(unemployment.20, unemployment.19, alternative = "greater", mu=0 ,paired = TRUE, conf.level = 0.95)
```

```
##  
## Paired t-test  
##  
## data: unemployment.20 and unemployment.19  
## t = 11.476, df = 151, p-value < 2.2e-16  
## alternative hypothesis: true difference in means is greater than 0  
## 95 percent confidence interval:  
## 24.06344 Inf  
## sample estimates:  
## mean of the differences  
## 28.11842
```

```
#####
###      ###
###money###
###      ###
#####

MONEY<- read_excel("C:/Users/OR/Desktop/smartCities/corona_and_anxiety/money.xlsx")

money20<- MONEY[c(4:155),2]
money.20 <- as.numeric(as.vector(money20$Column2))

money19<- MONEY[c(4:155),4]
money.19 <- as.numeric(as.vector(money19$Column4))

t.test(money.20, money.19, alternative = "greater", mu=0 ,paired = TRUE, conf.level = 0.95)
```

```
##
## Paired t-test
##
## data: money.20 and money.19
## t = 14.311, df = 151, p-value < 2.2e-16
## alternative hypothesis: true difference in means is greater than 0
## 95 percent confidence interval:
##  9.4428      Inf
## sample estimates:
## mean of the differences
##                10.67763
```

```
#####
###      ###
###death###
###      ###
#####

DEATH<- read_excel("C:/Users/OR/Desktop/smartCities/corona_and_anxiety/death.xlsx")

death20<- DEATH[c(4:155),2]
death.20 <- as.numeric(as.vector(death20$Column2))

death19<- DEATH[c(4:155),4]
death.19 <- as.numeric(as.vector(death19$Column4))

t.test(death.20, death.19, alternative = "greater", mu=0 ,paired = TRUE, conf.level = 0.95)
```

```
##
## Paired t-test
##
## data: death.20 and death.19
## t = 14.18, df = 151, p-value < 2.2e-16
## alternative hypothesis: true difference in means is greater than 0
## 95 percent confidence interval:
## 15.30062      Inf
## sample estimates:
## mean of the differences
##                17.32237
```

```
#####
###          ###
###claustrophobia###
###          ###
#####

CLAUSTROPHOBIA<- read_excel("C:/Users/OR/Desktop/smartCities/corona_and_anxiety/claustrophobia.xlsx")

claustrophobia20<- CLAUSTROPHOBIA[c(4:155),2]
claustrophobia.20 <- as.numeric(as.vector(claustrophobia20$Column2))

claustrophobia19<- CLAUSTROPHOBIA[c(4:155),4]
claustrophobia.19 <- as.numeric(as.vector(claustrophobia19$Column4))

t.test(claustrophobia.20, claustrophobia.19, alternative = "greater", mu=0 ,paired = TRUE, conf.level = 0.95
)
```

```
##
## Paired t-test
##
## data: claustrophobia.20 and claustrophobia.19
## t = 8.1395, df = 151, p-value = 6.828e-14
## alternative hypothesis: true difference in means is greater than 0
## 95 percent confidence interval:
##  6.944661      Inf
## sample estimates:
## mean of the differences
##           8.717105
```

```
#####
###          ###
###toilet paper###
###          ###
#####

TOILET_PAPER<- read_excel("C:/Users/OR/Desktop/smartCities/corona_and_anxiety/toilet_paper.xlsx")

toilet_paper20<- TOILET_PAPER[c(4:155),2]
toilet_paper.20 <- as.numeric(as.vector(toilet_paper20$Column2))

toilet_paper19<- TOILET_PAPER[c(4:155),4]
toilet_paper.19 <- as.numeric(as.vector(toilet_paper19$Column4))

t.test(toilet_paper.20, toilet_paper.19, alternative = "greater", mu=0 ,paired = TRUE, conf.level = 0.95)
```

```
##
## Paired t-test
##
## data: toilet_paper.20 and toilet_paper.19
## t = 4.6434, df = 151, p-value = 3.698e-06
## alternative hypothesis: true difference in means is greater than 0
## 95 percent confidence interval:
##  5.174004      Inf
## sample estimates:
## mean of the differences
##           8.039474
```

```
#####
###      ###
###privacy###
###      ###
#####

PRIVACY<- read_excel("C:/Users/OR/Desktop/smartCities/corona_and_anxiety/privacy.xlsx")

privacy20<- PRIVACY[c(4:155),2]
privacy.20 <- as.numeric(as.vector(privacy20$Column2))

privacy19<- PRIVACY[c(4:155),4]
privacy.19 <- as.numeric(as.vector(privacy19$Column4))

t.test(privacy.20, privacy.19, alternative = "greater", mu=0 ,paired = TRUE, conf.level = 0.95)
```

```
##
## Paired t-test
##
## data: privacy.20 and privacy.19
## t = 6.6326, df = 151, p-value = 2.762e-10
## alternative hypothesis: true difference in means is greater than 0
## 95 percent confidence interval:
##  4.917589      Inf
## sample estimates:
## mean of the differences
##                6.552632
```