kruskall.R

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library(agricolae)  
library(ExpDes.pt)

##   
## Attaching package: 'ExpDes.pt'

## The following objects are masked from 'package:agricolae':  
##   
## lastC, order.group, tapply.stat

#inchamento em espessura 2h  
inchamento <- read.table(  
 "C:/Users/Annie de Lima/Downloads/Estatística/stat\_debs/iespessura.txt",  
 header = T)  
x <- inchamento$tratamento  
y <- inchamento$sw2  
dados\_ie2 <- data.frame(x,y)  
  
kruskal(y, x,   
 alpha = 0.05,   
 p.adj=c("bonferroni"),   
 group=TRUE, main = NULL,console=TRUE)

##   
## Study: y ~ x  
## Kruskal-Wallis test's  
## Ties or no Ties  
##   
## Critical Value: 20.44651  
## Degrees of freedom: 5  
## Pvalue Chisq : 0.001030142   
##   
## x, means of the ranks  
##   
## y r  
## T1 59.87500 16  
## T2 26.43750 16  
## T3 57.96875 16  
## T4 35.40625 16  
## T5 53.21875 16  
## T6 58.09375 16  
##   
## Post Hoc Analysis  
##   
## P value adjustment method: bonferroni  
## t-Student: 3.015566  
## Alpha : 0.05  
## Minimum Significant Difference: 27.02996   
##   
## Treatments with the same letter are not significantly different.  
##   
## y groups  
## T1 59.87500 a  
## T6 58.09375 a  
## T3 57.96875 a  
## T5 53.21875 ab  
## T4 35.40625 ab  
## T2 26.43750 b

#inchamento em espessura 24h  
inchamento <- read.table(  
 "C:/Users/Annie de Lima/Downloads/Estatística/stat\_debs/iespessura.txt",  
 header = T)  
x <- inchamento$tratamento  
y <- inchamento$sw24  
dados\_ie24 <- data.frame(x,y)  
  
kruskal(y, x,   
 alpha = 0.05,   
 p.adj=c("bonferroni"),   
 group=TRUE, main = NULL,console=TRUE)

##   
## Study: y ~ x  
## Kruskal-Wallis test's  
## Ties or no Ties  
##   
## Critical Value: 33.9215  
## Degrees of freedom: 5  
## Pvalue Chisq : 2.468233e-06   
##   
## x, means of the ranks  
##   
## y r  
## T1 74.93750 16  
## T2 27.87500 16  
## T3 59.43750 16  
## T4 30.21875 16  
## T5 43.53125 16  
## T6 55.00000 16  
##   
## Post Hoc Analysis  
##   
## P value adjustment method: bonferroni  
## t-Student: 3.015566  
## Alpha : 0.05  
## Minimum Significant Difference: 24.46616   
##   
## Treatments with the same letter are not significantly different.  
##   
## y groups  
## T1 74.93750 a  
## T3 59.43750 ab  
## T6 55.00000 ab  
## T5 43.53125 bc  
## T4 30.21875 c  
## T2 27.87500 c

#inchamento LATERAL 24h  
inchamentol <- read.table(  
 "C:/Users/Annie de Lima/Downloads/Estatística/stat\_debs/ilateral.txt",  
 header = T)  
x <- inchamentol$tratamento  
y <- inchamentol$sw24  
dados\_il24 <- data.frame(x,y)  
  
kruskal(y, x,   
 alpha = 0.05,   
 p.adj=c("bonferroni"),   
 group=TRUE, main = NULL,console=TRUE)

##   
## Study: y ~ x  
## Kruskal-Wallis test's  
## Ties or no Ties  
##   
## Critical Value: 18.79656  
## Degrees of freedom: 5  
## Pvalue Chisq : 0.002097237   
##   
## x, means of the ranks  
##   
## y r  
## T1 66.12500 16  
## T2 38.43750 16  
## T3 42.25000 16  
## T4 34.93750 16  
## T5 64.65625 16  
## T6 44.59375 16  
##   
## Post Hoc Analysis  
##   
## P value adjustment method: bonferroni  
## t-Student: 3.015566  
## Alpha : 0.05  
## Minimum Significant Difference: 27.32205   
##   
## Treatments with the same letter are not significantly different.  
##   
## y groups  
## T1 66.12500 a  
## T5 64.65625 ab  
## T6 44.59375 abc  
## T3 42.25000 abc  
## T2 38.43750 bc  
## T4 34.93750 c

#absorção 2h  
absorcao <- read.table(  
 "C:/Users/Annie de Lima/Downloads/Estatística/stat\_debs/absorcao.txt",  
 header = T)  
x <- absorcao$tratamento  
y <- absorcao$sw2  
dadosab2 <- data.frame(x,y)  
  
kruskal(y, x,   
 alpha = 0.05,   
 p.adj=c("bonferroni"),   
 group=TRUE, main = NULL,console=TRUE)

##   
## Study: y ~ x  
## Kruskal-Wallis test's  
## Ties or no Ties  
##   
## Critical Value: 12.62658  
## Degrees of freedom: 5  
## Pvalue Chisq : 0.02714112   
##   
## x, means of the ranks  
##   
## y r  
## T1 52.56250 16  
## T2 32.00000 16  
## T3 41.56250 16  
## T4 46.59375 16  
## T5 54.37500 16  
## T6 63.90625 16  
##   
## Post Hoc Analysis  
##   
## P value adjustment method: bonferroni  
## t-Student: 3.015566  
## Alpha : 0.05  
## Minimum Significant Difference: 28.41356   
##   
## Treatments with the same letter are not significantly different.  
##   
## y groups  
## T6 63.90625 a  
## T5 54.37500 ab  
## T1 52.56250 ab  
## T4 46.59375 ab  
## T3 41.56250 ab  
## T2 32.00000 b