**NAME: SANDEEP PATIL**

**Email: saashasandeep@gmail.com**

**DATA ANALYTICS WITH R, EXCEL and TABLEAU**

**Session 12 – Assignment – 12.2**

#In one-way ANOVA test, a significant p-value indicates that some of the group means

#are different, but we don't know which pairs of groups are different. It's possible to perform multiple pairwise-comparison,

#to determine if the mean difference between specific pairs of group are statistically significant.

#As the ANOVA test is significant, we can compute Tukey HSD (Tukey Honest Significant Differences, R function: TukeyHSD())

#for performing multiple pairwise-comparison between the means of groups.

#The function TukeyHSD() takes the fitted ANOVA as an argument.

TukeyHSD(results)

#our output is large

#From above output we got some following groups for which there

#is a significant difference between the means.

#NUC-CYT 0.0744429005 0.05314812 0.095737681 0.0000000

#NUC-EXC 0.1051068931 0.04924622 0.160967571 0.0000001

#NUC-ME1 0.0634965035 0.01319448 0.113798528 0.0026743

#NUC-ME2 0.0861881256 0.03912110 0.133255152 0.0000004

#NUC-ME3 0.0616783217 0.03244028 0.090916364 0.0000000

#NUC-MIT 0.0906947151 0.06521504 0.116174388 0.0000000

#POX-NUC -0.0976783217 -0.17037079 -0.024985855 0.0009144

#VAC-NUC -0.0810116550 -0.14102211 -0.021001196 0.0008397