CUTLETS

NULL HYPOTHESIS = There is no significant difference between the diameter of the cutlets

M1 – m2 = 0

ALTERNATE HYPOTHESIS = There is an significant difference between the diameter of the cutlets

M1 -m2! = 0

As the number of samples is greater than 30, we go with the 2 sample Z-TEST.

The Z value is in the acceptance range therefore we accept the null hypothesis. There is no significant difference between the diameter of the cutlets

LABTAT

NULL HYPOTHESIS = There is no significant difference between the average Turn Around Time (TAT) of reports of the laboratories

T1 =T2=T3= T4

ALTERNATE HYPOTHESIS = There is an significant difference between the average Turn Around Time (TAT) of reports of the laboratories

T1! =T2! =T3! =T4

As there are more than 2 samples of continues data, we go with ANOVA TEST.

The F score is low then therefore we fail to accept the null hypothesis. There is significant difference between Turn Around Time (TAT) of reports of the laboratories