**Cutlets Documentation**

Ho: Diameters are same in the cutlets of two unit

Ha: Diameters are different

Normality Test  
Ho: Y1 Y2 Data are normal

Ha: Not normal

P1(0.3)> 0.05 So Ho accepted and UnitA is normal distribution

P2(0.5)>0.05 So Ho is accepted ad UnitB is normal

External Condition Test:

External Condition can’t be same… Size of cutlet’s diameter can’t be exactly same

Variance test

Ho: Variances are equal

Ha: Variances are not equal

P(0.4)>0.05 So Ho is accepted and Variances are equal

2 Sample Ttest

Ho: Diameters are same in Cutlets of two units

Ha: Diameters are not same as expected

P(0.47)>0.05

So Ho is accepted and average Diameters are same in Cutlets as expected

**LabTAT Documentation**

Ho: Same TAT(Turn Around Time)

Ha: Different TAT

Normality Test

Ho: Data are normal

Ha: Data are not normal

p>0.05

So Data is Normal

Variance Test:

Ho: Variances are equal

Ha: Variances are not equal

p(0.051)>0.05

Ho is accepted, therefore there is no difference

**BuyersRatio Documentation**

Ho: All proportion are equal

Ha: All proportion are not equal

Data is discrete so we go with Chi-square test

P(0.66)>0.05 so Ho is accepted and all proportions are equal across the region

**Customer Order Documentation**

To get the count of error and defective in each country

To check if defective varies by centre or country

Ho: Proportion of defective are same

Ha: Proportions are not same

P(0.277)>0.05

So Ho is accepted and Proportions are same and Manager doesn’t need to worry about defective and doesn’t need to rework.

**FantaloonSale Documentation**

Manager commented that Male and Female proportion differs on the weekdays and weekend

Ho: Male vs Female proportions differ

Ha: Male vs Female Proportions don’t differ

p>>0.05

Accepted null

Proportions of male vs female varies in weekends. Manager is right in his determination