Business objective : To predict whether there is any significance difference between the diameter of the two units of Cutlets.

Normality test:

H0: Data is normal

Ha: Data is not normal

95%Confidence level (1-alpha)

5% confidence level(alpha)

Unit. A: P value>alpha=0.32>0.05=P high H0 fly=accept H0

Unit. B: P value>alpha=0.5225>0.05=P high H0 fly= accept H0

Accept H0=>data is normally distributed

Variance test:

H0: variance of Unit. A =variance of Unit. B

Ha: variance of unit. A ≠variance of unit. B

P value=0.3136>0.05=> P high H0 fly => accept H0

Sample t test:

H0: diameter of the cutlet from Unit. A = diameter of the cutlet from Unit. B

Ha: diameter of the cutlet from Unit. A ≠ diameter of the cutlet from Unit. B

P value=0.4723>0.05=> P high H0 fly=>accept H0

This means that there is no significant difference in the diameters of the cutlets between both the units.