1. Define the business problem
2. From the data given find the input and output variables
3. Identify the data types
4. Decided which hypothesis test have to perform
5. Check the data normality , If Yes
6. Check the variance are equal or not
7. Based on defined problem apply the hypothesis testing and find the solution.
8. **Business Problem**

Mean of radius => leads to increase in radius

Mean of area=> leads to increase in area

1. **Input variable: X 1 and X2**

X1 = mean of radius

X2 = mean of area

1. **Data Types:**

Output variable: discrete

Input variable: Discrete with 2 categories

1. **Check the data normality**

Ho: Data is normal

Ha: Data is not normal

**Mean of radius**

**Stat >> basics statistics >> Normality test**

P values is 0.000=> p > 0.05 => P fly null high=> Accept Ha

Data is not normal

**Mean of area**

P values is 0.000 => p > 0.05 => P fly null high=> Accept Ha

Data is not normal

1. **Check variance are equal or not**

Ho: variance is equal

Ha: variance is not equal

**Stat >> basic statistics >> 2 variance test**

Consider Bonetts Test value for p value

P = 0.000=> p > 0.05

P fly null high=> accept Ha

Variance is not equal

1. **Perform 2 T test**

H0: RM=AM

Ha: RM is not equal to AM

**Stat >> basic statistics >> 2 Sample test**

P = 0.000=> p less than 0.05 =< p low null go => accept Ha

RM is not equal to am

H0: RM< AM

Ha: RM > AM

From Table p value is 1.000 which is greaterthan 0.05

P is low Hawill go => reject Ha – Accept HO

RM > AM