ANAVO Problem Statements

One way classification problem statement:

Example 1:

There are top 5 students in a class . As per the last 10 monthly tests, we have defined ranks as per the marks for different subjects. Below are the student name and their rank in four subjects (science, Mathematics, english, french)

Students	Subjects			
	Science	Mathematics	English	French
A	2	4	2	1
B	1	3	5	3
C	1	6	2	7
D	2	5	2	1
E	5	3	6	8

Test whether there is any significant difference between students

Example 2:

There are top 3 students in a class . As per the 5 monthly tests, we have defined ranks as per the marks for different extra co-curricular activities. Below are the student name and their rank

in four co-curricular activities (Swimming, Drawing,Football, Knitting)

Students	co-curricular activities			
	Swimming	Drawing	Football	Knitting
A	1	3	10	4
B	5	2	3	1
C	4	7	5	8

Test whether there is any significant difference between students

Two way classification Problem Statement:

Example 1:
There are top 3 textile shops in the south area of Chennai. As per the last year, we have defined sales scores based on the profit for different textile shops. Below are the shop name and their rank in five apparels (jeans, t-shirts, tops, pants)

Shops	Apparels			
	jeans	t-shirts	tops	pants
Shop A	2	4	2	1
Shop B	1	3	5	3
Shop C	1	6	2	7

Test whether there is any significant difference between Shops and the apparels

Example 2:
There are top 3 mobiles. As per the last 5 years, we have defined feature scores based on the features. Below are the mobile name and their quality score of its features(apple, Redmi, samsung)

Mobile Brands	Features				
	Camera	Interface	Display	Storage	Speed
apple	2	2	3	1	4
Samsung	1	2	10	4	2
Redmi	3	6	4	7	8

Test whether there is any significant difference between mobile brands and the features

Example 3:
There are top 3 professionals in India. As per the last 10 years, we have defined a salary increment percentage based on different Goals. Below are the professional names and their percentage based on different goals (team work, value added, organization activities, learning)

Professionals	Goals			
	team work	value added	Organizational activities	learning
A	20	30	15	35
B	35	15	45	5
C	25	45	10	20

Test whether there is any significant difference between
Professionals and the their goals