

# Assignment

Instructions:

- i) Solve the problems using R.
- ii) Give the code along with R output and your detail analysis
- iii) Justify your choice of test
- iv) Mail the assignment at moutushi@isibang.ac.in

1.

Suppose that we are interested in assessing the effectiveness of a Social Skills Training (SST) program for alcoholics that are in a rehabilitation program. Assume that 12 patients (the control group) participated in the normal treatment program, and 11 patients (the test group) participated in the SST supplement in addition to the normal treatment program. Based on the following data, can we conclude whether SST training programme is effective or not?

Control	1042	1617	1180	973	1552	1251	1151	1511	728	1079	951	1319
Case	874	389	612	798	1152	893	541	741	1064	862	213	

2. Some students of an Indian City, who were interviewed during a sample survey, are classified below according to their smoking and tea drinking habits. Calculate Yule's measures of association.

	Smoker	Non-smoker
Drinks tea	40	33
Does not drink tea	3	12