

Lecture Schedule of Prof (Dr) Amarjit Singh Sethi
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Visiting Fellow in the Department of Economics
(As a Part of DRS-II under UGC Special Assistance Programme)
Venue: Model Class Room-I, Department of Economics, JMI, New Delhi

September 26, 2016

- I. Some Aspects of Research Methodology**
 - a. Brief meaning & types of Research;
 - b. Nature of data requirements
 - c. What is random sampling?
 - d. Why random sampling and why not subjective sampling?
 - e. Where to use which type of random sampling?

- II. Univariate, Bivariate and Multivariate Analytical Techniques**
 - a. Basic concepts
 - b. Characteristic features of the three types of analysis
 - c. Some applications of the three types of analysis?

- III. Regression analysis**
 - a. Basic points of difference;
 - b. Meaning of linearity;
 - c. Estimation of intrinsically linear and intrinsically non-linear regression equations;

September 27, 2016

- IV. Analysis of Variance Technique**
 - a. Points of difference between ANOVA and Regression analyses;
 - b. One-way and two-way ANOVA;
 - c. Concept of ANCOVA

- V. Testing of Hypotheses**
 - a. Some real life situations calling for the need for hypotheses testing;
 - b. Basic concepts;
 - c. Outlines of some tests

- VI. Some Parametric Tests of Significance**

Based on

 - a. Z-distribution;
 - b. t-distribution;
 - c. F-distribution

September 28, 2016

VII. Some Non-Parametric Tests of Significance

Based on

- a. χ^2 -distribution;
- b. Tests of randomness;
- c. Tests of equality of distributions

VIII. Rates of Growth Computations – Limitations and Alternatives

- a. Conceptual meaning of rates of growth;
- b. Basic requirements to be satisfied for applying the usual approach;
- c. What to do if the requirements are not met?

All are cordially invited to attend.

(Prof. Shahid Ahmed)
Head & Coordinator DRS-II
Department of Economics