



SRI GURU GOBIND SINGH COLLEGE OF COMMERCE
UNIVERSITY OF DELHI
CENTRE FOR PROFESSIONAL DEVELOPMENT



BASIC STATISTICS & REGRESSION

**Classes start
from
August 21, 2023**

**Instructor led
Live Online
Classes**

Last date to register: August 19, 2023
Monday, Wednesday, Friday, Saturday (3–5 PM)
(15 sessions of 2 hrs each)



- Rs. 1000/- for SGGSCC Students
- Rs. 1500/- for Other DU Students

Registration Link – <https://shorturl.at/EGVZ8>

Payment Link – <https://www.sggscac.ac.in/paymode>

Dr. Jatinder Bir Singh
(Principal)
Patron

Dr. Satvinder Kaur
Co-ordinator (CPD)

Ms. Ushveen Kaur
Dr. Megha Ummat
Course Co-ordinators

COURSE CONTENT

Module	Topics
1	Measure of Central Tendency (Mean, median, mode, weighted mean), Concept of Frequency Distribution (Cumulative and Relative), Representing data in tabular and graphical forms (Data tables, frequency curves, histograms and bar graphs) using spreadsheets.
2	Measures of Dispersion: Range, Interquartile Range, Variance, Standard Deviation, Quartiles, Deciles, Percentiles, Visualizing measures of Central tendency and dispersion using Frequency Curve and Histograms, Z-score computation and Interpretation, Skewness and Kurtosis, Normal Curve and its basic properties.
3	Bivariate Analysis, Co-relation, Scatter Plots, Pearson's, Kendall Tau and Spearman Rho.
4	Hypotheses testing, Null and Alternate hypothesis, T-test, Chi-square test and ANOVA.
5	Simple Linear Regression, Multiple regression, Ordinary least square, Assumptions of the classical normal linear regression model (CNLRM), Multicollinearity, Heteroscedasticity.
6	Time series data, components of a time series data, additive and multiplicative time series models.

***An assessment would be conducted at the end of the course.**



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