

Department of Statistics
Maulana Azad College, Kolkata

Course Outcome:
B.Sc. (Hons.) Course in Statistics (CCF), University of Calcutta

Course Code	Course Name	Course Outcome
DSCC-1	Descriptive Statistics-1 and Probability -1	<p>At the end of this course a student should be able to understand</p> <ol style="list-style-type: none"> 1. Different types of data, data structure and the art of data handling. , the techniques of summarization and identification of the salient features of the data through graphical displays and other descriptive measures, computation and interpretation of various descriptive measures. 2. Concept of empirical and objective probability as a measure of uncertainty. 3. Problems related to real world. 4. Axiomatic definition of probability 5. Notion of conditional probability and use of Bayes' theorem
SEC-1	Numerical Computations with C.	<p>By taking this course students should be able to understand</p> <ol style="list-style-type: none"> 1. The usefulness of statistical computing in modern statistical learning.

		2. Writing code for different statistical measures and numerical methods using C language.
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DSCC-2	Descriptive Statistics-2 and Probability -2	<ol style="list-style-type: none"> 1. Concept of bivariate data, notion of correlation of two variables. Prediction using linear and polynomial regression. Concept of rank correlation as a measure of agreement between two judges. 2. Different measures of categorical variables - computations and interpretations, concept of retrospective and perspective study, cross-sectional studies, relative risks, odds ratios. 3. Notion of random variable and probability distributions, including discussions on binomial, Poisson and Normal distributions
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SEC-2	AI for Everyone	<ol style="list-style-type: none"> 1. Define and explain the fundamental concepts and subfields of AI. 2. Identify real-world applications of AI across various industries. 3. Analyze the ethical, social, and economic implications of AI. 4. Recognize the potential of AI to drive innovation and transformation in different domains.
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