# STATISTICS

## INTRODUCTION

Statistics is the mathematical science involved in the application of quantitative principles to the collection, analysis, and presentation of numerical data. The practice of statistics utilizes data from some population in order to describe it meaningfully, to draw conclusions from it, and make informed decisions.

## SKILL SET

- Business sense
- Analytical Skills
- Numerical Skills
- Communication Skills
- Problem Solving Skills
- Strong Computer Skills

## JOB PROSPECTS

- Statistical and Economic
- Operations
- Research
- Big Data Analysts
- Bureaus
- Analysts
- Job opportunities in ISRO
- Actuaries Scientist
- Indian Economics

## BRANCHES

- Oil Statistics
- Film Statistics
- Labour Statistics,
- Crime Statistics
- Census Statistics
- Market Statistics,
- Medical Statistics
- Industry Statistics
- Sports Statistics
- Survey Statistics,
- Ecological Statistics
- Population Statistics
- Accident Statistics,

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## TOP COLLEGES

- **Delhi University, New Delhi**
  - **Course:** B.Sc. hons. Statistics
  - **Eligibility criteria:** Passed 10+2 with 60% and Math as a Mandatory Subject
  - **Selection Process:** Marks Based.

- **Indian Statistical Institute (ISI), Kolkata**
  - **Course:** B. Statistics
  - **Eligibility:** 10+2 with Mathematics and English as subjects of study.
  - **Selection Process:** Entrance

--> ***Indian National Mathematical Olympiad (INMO) awardees of any previous year need not sit for the written test; they would be directly called for interview.***

**Paper pattern:**

- B.Math & B.Stats Paper will have both Objective Type Questions and subjective type questions.
- The Questions will only be on Mathematics Subject and questions would not be asked from other subjects.

**Exam Cover Following Chapters**

- Algebra and number theory
- Geometry
- Trigonometry
- Calculus

- **NMIMS, Mumbai**
  - **Course:** B.Sc. (Applied Statistics & Analytics)
  - **Eligibility:** HSC or equivalent Board with minimum 50% aggregate in any stream with Mathematics/ Statistics/ Mathematics & Statistics (Science / Commerce / Arts).
  - **Selection Process:** Marks Based

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- **Loyola College, Chennai**
  - **Course:** B. Sc. Statistics
  - **Eligibility:** Any group in +2 with Maths/ Business Math/ Statistics as one of the subject
  - **Selection Process:** Interview

- **Christ University, Bangalore**
  - **Course:**
    - Bachelor of Science (B.Sc.) in Computer Sc, Math's, Statistics
    - Bachelor of Science (B.Sc.) Economics, Mathematics, Statistics
  - **Eligibility:** Passed 10+2 with 50% with math as a subject.
  - **Selection Process:** Academic Performance and Personal Interview

- **Madras Christian College, Chennai**
  - **Course:** B. Sc. Statistics
  - **Eligibility:** Passed 10+2 with 50% with math as a subject.
  - **Selection Process:** Marks based

- **Fergusson College, Pune**
  - **Course:** B. Sc. Statistics
  - **Eligibility:** Passed 10+2 with English and Mathematics; and two of the science subjects such as Physics, Chemistry, Biology, Geography, Geology, etc.
  - **Selection Process:** Merit list

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