



Online Short Term Course on

# Biostatistics for beginners

**Course co-ordinator:**

**Dr. Samay Pande,**

Department of Microbiology and Cell Biology,  
IISc, Bangalore.



**Course Schedule**

**Date: 21 to 25 April 2025**

**Timing: From 6:00 PM – 7:00 PM**

**Mode : Online**

**Course Fee per participant: Rs.2000+18%GST**

**Session 1:** The Genesis of BioData: Introduction to Biostatistics and Data Types

Delve into the pivotal role of biostatistics in scientific inquiry and decipher the diverse data landscapes encountered in biological realms. Understand the role of biostatistics in research and the types of data encountered in biological studies

**Session 2:** Sculpting Data Narratives: Descriptive Statistics – Summarizing Data

**Objective:** Master the techniques to summarize and articulate data, revealing its underlying patterns and key characteristics.

### Session 3: Probability and Distributions

**Objective:** Explore the fundamental principles of probability and familiarize yourself with the iconic statistical distributions that govern biological phenomena. Learn common statistical distributions.

### Session 4: Hypothesis Testing – Basics of Inferential Statistics

**Objective:** Unlock the secrets of hypothesis testing and learn to draw powerful, data-driven inferences from limited samples.

### Session 5: Unveiling Connections: Correlation, Regression, and Interpretation of Results

**Objective:** Understand the intricate relationships between variables and master the art of interpreting biostatistical results with precision and clarity.

[Registration link:](#)

<https://iisc.online/shortterm/home.html>

To apply scan here:



**Contact Us:**

**Centre for Continuing Education  
Indian Institute of Science  
Bengaluru 560 012, INDIA.**

**Phone: 91 080 2293 2055/2491/2247  
office.cce@iisc.ac.in**