



# Lectures in Statistics

## An Indo-French Workshop

[In honour of Professor C.R. Rao who turned 100 on September 10, 2020]

**Dates:** January 14 - 17, 2021 (4 days)

**Deadline for applications:** December 18, 2020.

Applicants should visit <[http://math.iisc.ac.in/~ifcam/IF\\_Workshop2021.htm](http://math.iisc.ac.in/~ifcam/IF_Workshop2021.htm)> for application and further information.

**Objectives of the workshop and the course contents:** The target audience of the lectures is 3rd year undergraduate students, with honours/major in Statistics and 1st year postgraduate students in Statistics. Keeping in mind (1) the areas which are covered in undergraduate and postgraduate programs in Statistics in India, (2) current areas of research in Statistics, and also (3) possible background of participants, it is intended to cover topics which are of the following two broad types.

- (1) Standard topics: Topics in Statistical inference, Linear models, Regression techniques which are usually covered in undergraduate honours programs in Statistics and/or postgraduate programs in Statistics. However, it is intended to discuss them in greater depth, conceptual and/or technical.
- (2) Advanced topics: Mixed effect models and application in biopharmacy, Exponential inequality with applications in Statistics.

### Speakers:

Bernard Bercu, Université de Bordeaux  
Probal Chaudhuri, Indian Statistical Institute, Kolkata  
Mohan Delampady, Indian Statistical Institute, Bangalore  
Marc Lavielle, Ecole Polytechnique-Paris  
Sumitra Purkayastha, Indian Statistical Institute, Kolkata  
Tapas Samanta, Indian Statistical Institute, Kolkata

### Organizing Committee:

Jean-Marc Bardet, Université Paris 1  
Gopal K. Basak, Indian Statistical Institute, Kolkata  
Mohan Delampady, Indian Statistical Institute, Bangalore  
Fabrice Gamboa, Institut de Mathématiques de Toulouse, Toulouse  
Sumitra Purkayastha, Indian Statistical Institute, Kolkata  
Tapas Samanta, Indian Statistical Institute, Kolkata  
Debasis Sengupta, Indian Statistical Institute, Kolkata

**Mode of Delivery:** Virtual meeting

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