

**Program Schedule****Day 1 (January 9, 2023)**

<b>Time</b>	<b>Topics</b>
09:50-09:55 AM (SJ)	Welcome note
09:55-10:00 AM	Address by Prof. Pritish Varadwaj
10:00 AM – 11:20 AM (RB)	Introduction to R and R Studio
11:30 AM -01:00 PM (RB)	Handling and Visualizing Data with R
3:30-5:00 PM (RM)	Data generation and model fitting using popular discrete and continuous distributions using R

**Day 2 (January 10, 2023)**

<b>Time</b>	<b>Topics</b>
10:00-11:20 AM (SR)	Testing of hypothesis I (Parametric Tests using R)
11:30 AM-01:00 PM (RM)	Testing of hypothesis II (Non-Parametric Tests using R)
3:00-5:00 PM (PD)	Model building in R – I & II (Simple and Multiple Linear Regression)

**Day 3 (January 11, 2023)**

<b>Time</b>	<b>Topics</b>
10:00-11:20 AM (MSP)	Model building in R – III (Logistic Regression)
11:30 AM – 01:00 PM (MSP)	Model building in R – IV (Nonlinear Regression)

3:30-5:00 PM (AKM)	ANOVA using R
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**Day 4 (January 12, 2023)**

Time	Topics
10:00-11:20 AM (LK)	Time Series Analysis I
11:30 PM – 01:00 PM (LK)	Time Series Analysis II
3:30-5:00 PM (AKM)	Bootstrap Resampling Method

**Day 5 (January 13, 2023)**

Time	Topics
10:00-11:20 AM (ARB)	Multivariate Techniques I: Principal Component Analysis and Factor Analysis
11:30 AM – 01:00 PM (ARB)	Multivariate Techniques II: Cluster Analysis and Multidimensional Scaling
3:30-5:00 PM (IAS)	Count Data Modeling with R

**Day 6 (January 14, 2023)**

Time	Topics
10:00-11:20 AM (AK)	Reproducible Research with R-I
11:30-01:00 PM (AK)	Reproducible Research with R-II (GitHub)
3:30-5:00 PM (SL)	Epidemiology with R

**Day 7 (January 15, 2023)**

Time	Topics
10:00-11:30 AM (SJ)	Survival Analysis with R
11:30AM -12:00 PM (SJ)	<b>Valedictory session</b> <ul style="list-style-type: none"> <li>• Summary of the workshop</li> <li>• Feedback from the participants</li> <li>• Vote of Thanks</li> </ul>

**Speakers:**

Dr. Amiya Ranjan Bhowmick (ARB)

Dr. Amit Kumar Mishra (AKM)

Dr. Anup Kumar (AK)

Dr. Ishfaq Ahmad Shah (IAS)

Dr. Mahaveer Singh Panwar (MSP)

Dr. Leena Kulkarni (LK)

Dr. Suresh Ramaiah (SR)

Dr. Raghunath M. (RM)

Dr. Rashmi Bundel (RB)

Dr. Sanjay Lamba (SL)

Dr. Savitri Joshi (SJ)

Dr. Prashant Dhamale (PD)