

Name of the Institute/Organization: Indian Institute of Information Technology, Allahabad



Self-Financed Course-cum Workshop on Time Series Data Analysis (TSDA-2020)

(Online Mode)

Duration: 28/08/2020 to 29/08/2020

Schedule Plan

Date						2:30 PM to 4:00 PM	4:15 PM to 5:4	15 PM
Day-1	Inauguration	Introduction to		Time Series Data		Introduction to R environment –	Understanding distribution of data:	
(28/08/2020)	Session	Time Series		Clustering		simple mathematical operations,	t-test of mean, JB test for	
		Analysis				creating matrix, creating	normality, skewness, l	curtosis
	(9.55 - 10.30			(12 Noon-1.15 pm)		variables, importing data (from		
	am)	(10.30-11.45 am)			k	local drive and yahoo finance),		
			.		Break	exporting data		
			eak					
Day-2			Br	Deep Learning in		AR(p), $MA(q)$ and $ARMA(p, q)$	Concepts of	Valediction
(29/08/2020)				Time Series		modelling – lag identification,	volatility and testing	(5.45 pm -6
				Analysis	Ι	model fitting and testing	for ARCH effect,	pm)
							GARCH, GJR-	
				(11.15 am -12.45 pm)			GARCH and	
							EGARCH modelling	
							 model fitting and 	
							testing	