



<< Predictive Analytics >> Syllabus

Week/Module	Topics	Release Date
Week 0	 Demo Video Welcome to the course Course Schedule Grading Policy Exam Details FAQ 	31 st July 2023
Week 1: Introduction to Analytics	 Introduction to Analytics Analytics in Decision Making Game changers & Innovators Predictive Analytics Experts' view on Analytics 	31 st July 2023
Week 2: Simple Linear Regression (SLR)	 Case-let Overview Introduction to Regression Model Development Model Validation Demo using Excel & SPSS 	11 th August 2023
Week 3: Multiple Linear Regression (MLR)	 Multiple Linear Regression Estimation of Regression Parameters Model Diagnostics Dummy, Derived & Interaction Variables Multi-collinearity Model Deployment Demo using SPSS 	18 th August 2023
	Mid – Term Assessment	18 th August 2023 Due Date: 18th September 2023





तंजस्व नावधातमस्तु	-	्रिशिक्षात भारत, उन्नत भारत
Week 4: Logistic Regression	Discrete choice models	
	Logistic Regression	
	MLE Estimation of Parameters	25 th August 2023
	Logistic Model Interpretation	
	Logistic Model Diagnostics	
	Logistic Model Deployment	
	Demo using SPSS	
Week 5: Decision Trees and Unstructured data analysis	 Introduction to Decision Trees CHI-Square Automatic Interaction Detectors (CHAID) Classification and Regression Tree (CART) Analysis of Unstructured data Naive Bayes algorithm Demo using SPSS 	1 st September 2023
Week 6: Forecasting and Time series Analysis	Forecasting	
	Time Series Analysis	8 th September 2023
	Additive & Multiplicative models	
	Exponential smoothing techniques	
	Forecasting Accuracy	
	 Auto-regressive and Moving average models 	
	Demo using SPSS	
		29 th September 2023 Due Date: 29th October 2023

Final Exam Details:

If you wish to obtain a certificate, you must register and take the proctored exam in person at one of the designated exam centres. The registration URL will be announced when the registration form is open. To obtain the certification, you need to fill out the online registration form and pay the exam fee. More details will be provided when the exam registration form is published, including any potential





changes. For further information on the exam locations and the conditions associated with filling out the form, please refer to the form.

Grading Policy:

Assessment Type	Weightage
Mid-Term & End-Term	25%
Final Exam	75%

Certificate Eligibility:

- 40% marks and above in Mid Term & End Term
- 40% marks and above in the final proctored exam

Disclaimer: In order to be eligible for the certificate, you must register for enrolment and exams using the same email ID. If different email IDs are used, you will not be considered eligible for the certificate.