



Certified Data Analytics (R) Specialist (CDAS)

Course Outline

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DURATION

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COURSE OBJECTIVES

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JOB ROLES IN NICF / TARGETED AUDIENCE

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PRE-REQUISITES

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PROGRAM STRUCTURE

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COURSE SESSION SCHEDULE

Day 1	Session 1 (9:00 – 10:30)	Session 2 (10:40 – 11:10)	Session 3 (12:10 – 15:10)	Session 4 (15:10 – 18:10)
	Introduction of Business Analytics	Introduction of Business Analytics	Introduction to R	Data Structures, Operators and Functions in R
Day 2	Session 1 (9:00 – 10:00)	Session 2 (10:10 – 12:10)	Session 3 (13:10 – 18:10)	
	Data Structures, Operators and Functions in R	Exploring and Visualizing Data in R	NoSQL Database with R for Data Analysis	
Day 3	Session 1 (9:00 – 10:00)	Session 2 (10:10 – 12:10)	Session 3 (13:10 – 17:40)	Session 4 (17:40 – 18:10)
	NoSQL Database with R for Data Analysis	Big Data Analysis in R	Data Mining in R	Predictive Modelling in R
Day 4	Session 1 (9:00 – 10:30)	Session 2 (10:40 – 12:40)	Session 3 (13:40 – 15:40)	Session 4 (15:40 – 18:10)
	Predictive Modelling in R	Predictive Modelling in R	R Applications	CDAS examination

COURSE OUTLINE

Unit 1: Introduction of Business Analytics

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Unit 2: Introduction to R

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Unit 3: Data Structures, Operators and Functions in R

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Unit 4: Exploring and Visualizing Data in R

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Unit 5: NoSQL Database with R for Data Analysis

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Unit 6: Big Data Analysis in R

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Unit 7: Data Mining in R

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Unit 8: Predictive Modelling in R

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Unit 9: R Applications

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Hands-On

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WRITTEN ASSESSMENT

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Course outcome

- 8. Explain the various data types in R.
- 8. Explain the various operators in R.
- 8. Explain the various functions in R.
- 8. Explain the various data structures in R.
- 8. Explain the various packages in R.

EXAM PREPARATION

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- Introduction to Business Analytics [10%]
- Introduction to R [10%]
- Data Structures, Operators and Functions in R [10%]
- Exploring and Visualizing Data in R [10%]
- NoSQL Database with R for Data Analysis [15%]
- Big Data Analysis in R [15%]
- Data Mining in R [10%]
- Predictive Modelling in R [15%]
- R Applications [5%]

Tools/Software used:

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