

Certificate in Advance Analytics using R

[eLearning]



Shape the future
with confidence

Certificate in Advance Analytics using R

About the course

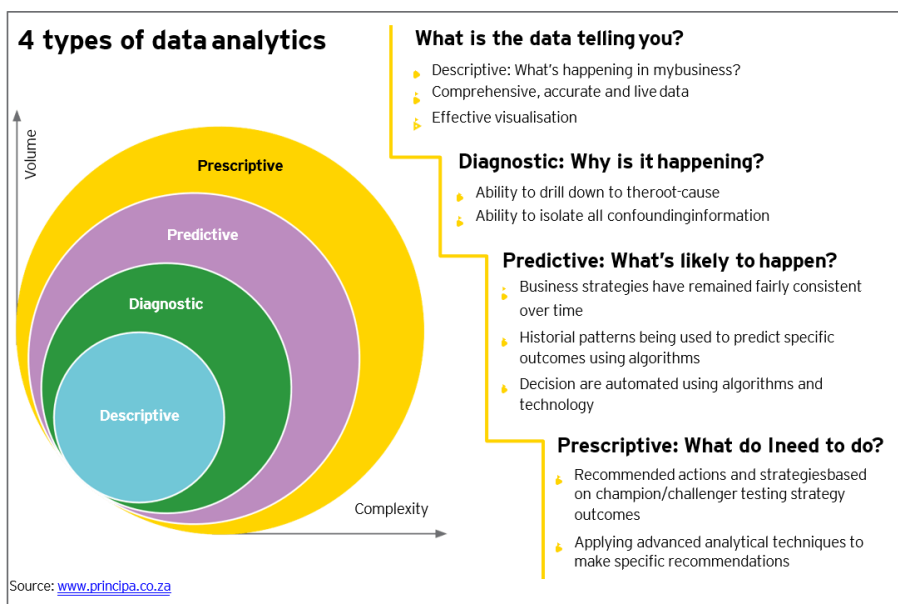
Data Science is an automated method to analyse massive amount of data from various source and extracting insights from them. In today's era all small and large corporate are sitting on a gold mine of data, however, the biggest challenge they are facing to use these data to get business insights which they can to take effective business decisions. Data analytics is the science of examining raw data for the purpose of drawing business related conclusions about the information and for modelling and predicting business outcomes.

This comprehensive program can help you to gain experience on the power of data and how to explore the data using R as a tool to get valuable insights for the business. The program may also help in the improvement of organization's performance by doing trend analysis and pattern study. The program shall help you to run various algorithms using R which is one of the most effective tool to uncover the patterns within the data and compare the results and insights.

Benefits of the course

This program may help you to:

- ▶ Understand your business data better and be able to generate trend and get insights
- ▶ Take appropriate and faster business decisions which is data driven
- ▶ Increase efficiency and reduce cost for your business/ domain
- ▶ Gauge customer internal/external needs and satisfaction
- ▶ Uncover new growth opportunities for the business
- ▶ Diagnose the business problem faster

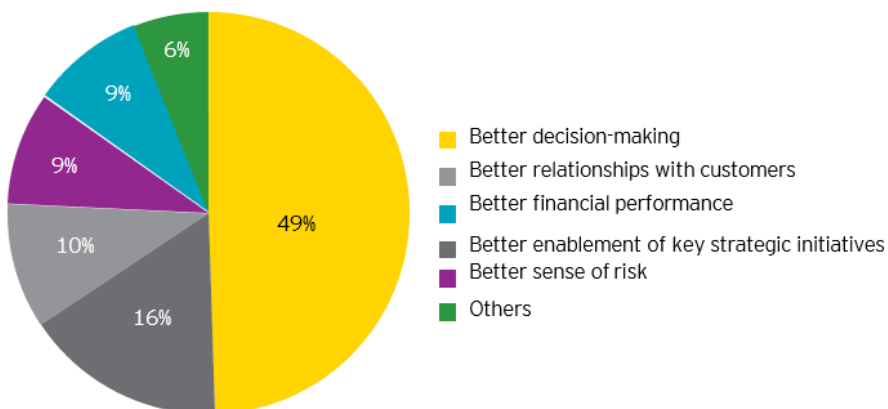




Course coverage

| | | | |
|----------|---|--|-----------|
| 1 | Introduction to analytics | Visualization using R | 8 |
| 2 | Introduction to R | Linear, non-linear and logistic regression | 9 |
| 3 | Basic building blocks of R | Classification | 10 |
| 4 | Working with data in R: Importing, exporting and Data wrangling | Clustering | 11 |
| 5 | Functions, loops, and data frames in R | Machine learning algorithms | 12 |
| 6 | Descriptive statistics using R | Decision trees | 13 |
| 7 | Inferential statistics using R | Neural networks | 14 |

Analytics - key benefits



Source: Peer - Research Big Data Analytics Survey



Who should take this course

- ▶ Working professionals who intend to build their career in the field of data analytics
- ▶ Professionals who are currently in the Data Analytics domain
- ▶ Fresh graduates and young professionals
- ▶ Entrepreneurs
- ▶ Professionals from the quality team
- ▶ Six Sigma Professionals
- ▶ IT Professionals

Assessment and Certification

EY will award "Certificate of Completion" to participants at the end of the program.

- ▶ Assessment would be based on MCQ's
- ▶ Participant needs to achieve a minimum score of 50% to pass the exam
- ▶ All participants who meet the above criteria would be awarded a certificate of completion

Contact

For more information contact:

Swati Sharma

E: swati.sharma16@in.ey.com

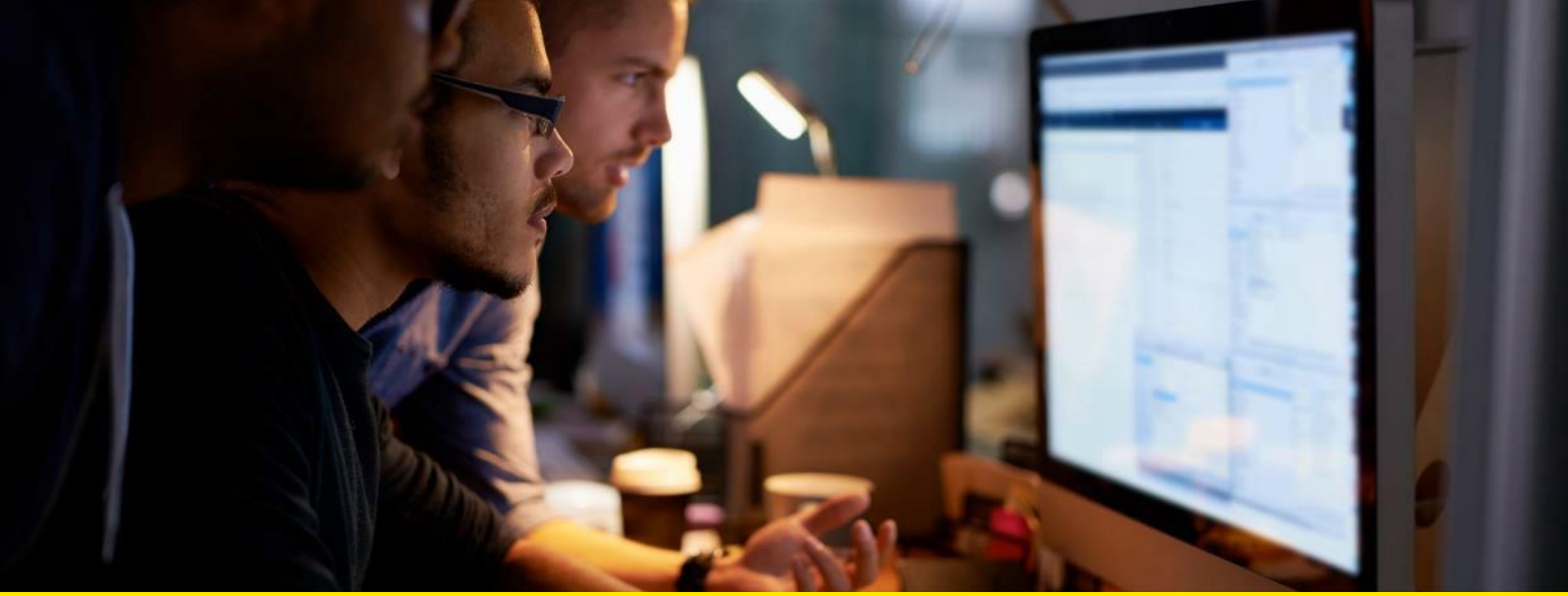
M: + 91 916816112

Course deliverables

- ▶ 10+ hours of comprehensive learning videos and content.
- ▶ Presentations
- ▶ Includes Datasets
- ▶ Online Assessment
- ▶ Certificate of completion
- ▶ Query support through email
- ▶ Six months of LMS access

Our other eLearning courses

- ▶ Certificate in IFRS
- ▶ Certificate in Exploratory Analytics in Python
- ▶ Certificate in Finance for Non-Finance Managers
- ▶ Certificate in Business Intelligence using Power BI
- ▶ Certificate in Blockchain Technology
- ▶ Certificate in Data Visualization Using Tableau
- ▶ Certificate in Financial Modelling and Valuation
- ▶ Certificate in Lean Six Sigma Green Belt
- ▶ Certificate in Ind-AS
- ▶ Certificate in Artificial Intelligence and Machine Learning in Python
- ▶ Certificate in Predictive Analytics in Python



About EY Learning Solutions

In today's testing business environment, with organizational transformation and regulatory change constant features, a flexible and cost-effective workforce is critical. High-quality training is a crucial element of innovative talent management, to improve performance and ensure that your teams can respond to today's challenges and are equipped for career success.

We, at EYFAAS, realized this need and accordingly we have set up a dedicated "Learning Solution" practice to help corporate and practicing professionals to deal with new requirements. FAAS Learning Solutions supplements EY's primary range of services and provide business specific training solutions for our clients and business communities throughout India, Europe, the Middle East and Africa. This is done with the help of a multidisciplinary team of trainers from around the world. As a globally integrated firm, we bring global insight to our training programs.

All training programs are regularly updated to reflect changing trends and guidance. Our practical, relevant and stimulating courses are facilitated by highly competent trainers who have first-hand knowledge of the subject matter. We recognize that each client will have a different history, size, location and sector; therefore, programs can be tailored to specific needs of your business.

For details contact

Anand Akhouri
Director
Email: anand.akhouri@in.ey.com

Neha Tuteja
Sr. Manager
Email: neha.tuteja@in.ey.com

Our offices

Ahmedabad

22nd Floor, B Wing, Privilon,
Ambli BRT Road, Behind Iskcon
Temple, Off SG Highway,
Ahmedabad - 380 015
Tel: + 91 79 6608 3800

Bengaluru

6th, 12th & 13th floor
"UB City", Canberra Block
No.24 Vittal Mallya Road
Bengaluru - 560 001
Tel: + 91 80 6727 5000

Ground Floor, 'A' wing
Divyasree Chambers
11, O'Shaughnessy Road
Langford Gardens
Bengaluru - 560 025
Tel: + 91 80 6727 5000

Chandigarh

Elante offices, Unit No. B-613 & 614
6th Floor, Plot No- 178-178A,
Industrial & Business Park, Phase-I,
Chandigarh - 160002
Tel: + 91 172 671 7800

Chennai

Tidel Park, 6th & 7th Floor
A Block, No.4, Rajiv Gandhi Salai
Taramani, Chennai - 600 113
Tel: + 91 44 6654 8100

Delhi NCR

Plot No. 67, Sector-44
Institutional Area,
Gurgaon - 122 003
Tel: + 91 124 443 4000

3rd & 6th Floor, Worldmark-1
IGI Airport Hospitality District
Aerocity, New Delhi - 110 037
Tel: + 91 11 4731 8000

4th & 5th Floor, Plot No 2B
Tower 2, Sector 126
NOIDA - 201 304
Gautam Budh Nagar, [U.P.](#)
Tel: + 91 120 671 7000

Hyderabad

THE SKYVIEW 10
18th Floor, "Zone A"
Survey No 83/1, Raidurgam
Hyderabad - 500032
Tel: + 91 40 6736 2000

Jamshedpur

1st Floor, Shantiniketan Building
Holding No. 1, SB Shop Area
Bistupur, Jamshedpur - 831 001
Tel: + 91 657 663 1000

Kochi

9th Floor, ABAD Nucleus
NH-49, Maradu PO
Kochi - 682 304
Tel: + 91 484 433 4000

Kolkata

22 Camac Street
3rd Floor, Block 'C'
Kolkata - 700 016
Tel: + 91 33 6615 3400

Mumbai

14th Floor, The Ruby
29 Senapati Bapat Marg
Dadar (W), Mumbai - 400 028
Tel: + 91 22 6192 0000

5th Floor, Block B-2
Nirlon Knowledge Park
Off. Western Express Highway
Goregaon (E)
Mumbai - 400 063
Tel: + 91 22 6192 0000

Pune

C-401, 4th floor
Panchshil Tech Park
Yerwada
(Near Don Bosco School)
Pune - 411 006
Tel: + 91 20 4912 6000



Ernst & Young Associates LLP

EY | Assurance | Tax | Transactions | Advisory

About EY

EY is a global leader in assurance, tax, transaction and advisory services. The insights and quality services we deliver help build trust and confidence in the capital markets and in economies the world over. We develop outstanding leaders who team to deliver on our promises to all of our stakeholders. In so doing, we play a critical role in building a better working world for our people, for our clients and for our communities.

EY refers to the global organization, and may refer to one or more, of the member firms of Ernst & Young Global Limited, each of which is a separate legal entity. Ernst & Young Global Limited, a UK company limited by guarantee, does not provide services to clients. For more information about our organization, please visit ey.com.

Ernst & Young Associates LLP is one of the Indian client serving member firms of EYGM Limited. For more information about our organization, please visit www.ey.com/en_in.

Ernst & Young Associates LLP, is a Limited Liability Partnership, registered under the Limited Liability Partnership Act, 2008 in India, having its registered office at 22 Camac Street, 3rd Floor, Block C, Kolkata - 700016

© 2024 Ernst & Young Associates LLP. Published in India. All Rights Reserved.

EYIN1804-001
ED None

This publication contains information in summary form and is therefore intended for general guidance only. It is not intended to be a substitute for detailed research or the exercise of professional judgment. Neither EYGM Limited nor any other member of the global Ernst & Young organization can accept any responsibility for loss occasioned to any person acting or refraining from action as a result of any material in this publication. On any specific matter, reference should be made to the appropriate advisor.

AJ

