



Data Analytics Certification Master's Course

In Collaboration with **IBM** | **Microsoft**

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About the Program

Our Data Analyst training course in collaboration with Microsoft and IBM covers the skills required to be a certified Data Analyst. You will learn multiple data analytics courses like Data Science, R Programming, Tableau, SAS, MS Excel and SQL database, etc. Through this Data Analyst online training, you will master all the necessary tools and technologies that are involved in the field of Data Analysis.



Collaborating with IBM

IBM is one of the leading innovators and the biggest player in creating innovative tools for Big Data Analytics. Top subject matter experts from IBM will share knowledge in the domains of Analytics and Big Data through this training program, which will help you gain the breadth of knowledge and industry experience.

Benefits for students from IBM

- Industry-recognized IBM certificate
- Access to IBM Watson for hands-on training and practice
- Industry in-line case studies and project work



Collaborating with Microsoft

Microsoft is one of the largest organizations in terms of inventing creative tools for various purposes inclined to Big Data Analytics. Experts from Microsoft and other top MNCs will offer you their understanding and knowledge in this field through this online certification. Moreover, you will also get deep insights into the concepts and gain hands-on experience by working on industry-specified assignments.

Benefits for students from Microsoft:

- Industry-recognised Microsoft certification
- Real-time projects and exercises



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At Intellipaat, we are in a constant endeavor of changing the education culture to be more of an open-source collaborative environment.



About Intellipaat

Intellipaat is one of the leading online e-learning training providers with more than 600,000 learners across 55+ countries. We are on a mission to democratize education as we believe that everyone has the right to quality education.

Our courses are delivered by subject matter experts from top MNCs, and our world-class pedagogy enables to quickly learn difficult topics in no time. Our 24/7 technical support and career services will help learners jump-start their careers in their dream companies.

Key Features



**92 HRS INSTRUCTOR-LED
TRAINING**



**112 HRS SELF-PACED
TRAINING**



**224 HRS REAL-TIME
PROJECT WORK**



LIFETIME ACCESS



24/7 TECHNICAL SUPPORT



**INDUSTRY-RECOGNIZED
CERTIFICATION**



**JOB ASSISTANCE THROUGH
80+ CORPORATE TIE-UPS**



FLEXIBLE SCHEDULING

Career Support



SESSIONS WITH INDUSTRY MENTORS

Attend sessions from top industry experts and get guidance on how to boost your career growth



MOCK INTERVIEWS

Mock interviews to make you prepare for cracking interviews by top employers



GUARANTEED INTERVIEWS & JOB SUPPORT

Get interviewed by our 400+ hiring partners



RESUME PREPARATION

Get assistance in creating a world-class resume from our career services team



Why take up this course?

- A Data Analyst at Microsoft Corporation earns an average salary of \$115,000 per year – **Indeed**
- The USA faces a shortage of 165,000 Data Analysts & 1.5 managers with Data analysis skills – **McKinsey**
- There are over 30,000 jobs available for Data Analysts in the United States alone – **LinkedIn**

Today Data Analytics is one of the top domains as we are living in a data-driven world. If you want to get ahead in your career, then you need to learn Data Analytics as it is being deployed in every organization regardless of the industry. Intellipaat Data Analytics Certification courses have been created to give you an edge in this data-driven world. Through this online training, you will work on real-world Data Analytics projects and case studies so that you can get a hands-on experience in this domain.

Who should take up this training?

- Non-technical professionals like banking, BPO, HR, finance, marketing & sales personnel can extremely benefit and learn Data Analytics online
- Software Developers
- Business Intelligence & Data Analytics Professionals
- Information Architects
- Project Managers

Courses offered

INSTRUCTOR LED TRAINING COURSES

1. Data Science with R
2. Tableau Desktop 10
3. SAS
4. MS-SQL

SELF PACED LEARNING

1. Qlik Sense
2. Advanced Excel
3. Statistics and Probability

Course Advisors

Suresh Paritala

Solutions Architect at Microsoft, Texas



A Senior Software Architect at Microsoft, Texas, who has previously worked with IBM Corporation, Suresh Paritala has worked on Big Data, Data Science, Advanced Analytics, Internet of Things, and Azure, along with AI domains like Machine Learning and Deep Learning. He has successfully implemented high-impact projects in major corporations around the world.

David Callaghan

Big Data Strategist and Solutions Architect, Perficient, USA



An experienced Blockchain professional, who has been bringing integrated Blockchain, particularly Hyperledger and Ethereum, and Big Data solutions to the cloud, David Callaghan has previously worked on Hadoop, AWS Cloud, Big Data, and Pentaho projects that have had major impact on the revenues of marquee brands around the world.

Samanth Reddy

Data Scientist at ASCAP



A renowned Data Scientist who has worked with Google and is currently working at ASCAP, Samanth Reddy has a proven ability to develop Data Science strategies that have a high impact on the revenues of various organizations. He comes with strong Data Science expertise and has created decisive Data Science strategies for Fortune 500 corporations.

Program Curriculum

Data Science With R

Learning Objective

This Data Scientist course online provides detailed learning through self-paced videos and live instructor-led sessions that help you gain skills in the shortest possible time. Data Scientists are among the highest-paid and most in demand professionals. This in-depth Data Scientist course covers 'What is Data Science?', statistical methods, data acquisition and analysis, Machine Learning algorithms, predictive analytics, data modeling, etc. At the end of the course, you will work on building a recommendation engine for an ecommerce site and will work on a real-time capstone project.

Topics:

- Introduction to Data Science with R
- Data Exploration
- Data Manipulation
- Data Visualization
- Introduction to Statistics
- Machine Learning
- Logistic Regression
- Decision Trees and Random Forest
- Unsupervised Learning
- Association Rule Mining and Recommendation Engines
- Introduction to Artificial Intelligence (self-paced)
- Time Series Analysis (self-paced)
- Support Vector Machine (SVM) (self-paced)
- Naïve Bayes (self-paced)
- Text Mining (self-paced)

Tableau Desktop

Learning Objective

Intellipaate's Tableau certification training program helps you learn Tableau and gets you up to work on the concepts of data visualization with a firm understanding of the Tableau architecture. You will become proficient in the concepts of filters, parameters, maps, graphs, dashboards, and table calculation. Furthermore, you will learn about data blending, data aggregation, and R connectivity with Tableau in this online Tableau course.

Topics:

- Introduction to Data Visualization and Power of Tableau
- Architecture of Tableau
- Working with Metadata and Data Blending
- Creation of Sets
- Working with Filters
- Organizing Data and Visual Analytics
- Working with Mapping
- Working with Calculations and Expressions
- Working with Parameters
- Charts and Graphs
- Dashboards and Stories
- Tableau Prep
- Integration of Tableau with R and Hadoop

DATA SCIENCE WITH SAS

Learning Objective

This SAS training course will help you in learning the domains of Business Analytics and Business Intelligence. Upon the completion of this SAS online training, you will have enough proficiency in reading spreadsheets, databases, using SAS functions for manipulating this data and debugging it. This Base SAS certification training also includes

data mining, data analytics, modeling techniques, visualization of data, predictive analysis and extracting insights through real-world case studies.

Topics:

- Introduction to SAS
- SAS Enterprise Guide
- SAS Operators and Functions
- Compilation and Execution
- Using Variables
- Creation and Compilation of SAS Datasets
- SAS Procedures
- Input Statement and Formatted Input
- SAS Format
- SAS Graphs
- Interactive Data Processing
- Data Transformation Function
- Output Delivery System (ODS)
- SAS Macros
- PROC SQL
- Advanced Base SAS
- Summarization Reports

MS SQL

Learning Objective

Intellipaate Microsoft SQL training course is an online classroom training meant for developers to master the descriptive language to work for relational databases. Important

topics included in this SQL course are SQL introduction, relational databases, queries, subqueries, joins, and unions. After completing this course, you will also become proficient in the theory of optimization, transactions, indexing, installing SQL Server, database administration, clustering, implementing programmability objects, designing and implementing database objects, managing database concurrency, and optimizing SQL infrastructure and database objects.

Topics:

- Introduction to SQL
- Database Normalization and Entity Relationship Model
- SQL Operators
- Working with SQL: Join, Tables, and Variables
- Deep Dive into SQL Functions
- Working with Subqueries
- SQL Views, Functions, and Stored Procedures
- Deep Dive into User-defined Functions
- SQL Optimization and Performance
- Managing Data with Transact-SQL
- Querying Data with Advanced Transact-SQL Components
- Programming Databases Using Transact-SQL
- Designing and Implementing Database Objects
- Implementing Programmability Objects
- Managing Database Concurrency
- Optimizing Database Objects
- Advanced Topics
- Microsoft Courses: Study Material

Self-paced Courses

As a part of online classroom training, you will receive five additional self-paced courses co-created with IBM and MicroSoft, namely, Qlik Sense, Advanced Excel and Statistics and Probability. Moreover, you will also get an exclusive access to IBM Watson Cloud Lab for the Chatbots course.

Project Work

Data Science with R

- Market Basket Analysis
- Credit Card Fraud Detection
- Loan Approval Prediction
- Netflix Recommendation System
- Case Study 1: Introduction to R Programming
- Case Study 2: Solving Customer Churn Using Data Exploration
- Case Study 3: Creating Data Structures in R
- Case Study 4: Implementing SVD in R
- Case Study 5: Time Series Analysis

Tableau Desktop

- Understanding the global covid-19 mortality rates
- Understand the UK bank customer data
- Understand Financial Data
- Understand Agriculture Data

SAS

- Categorization of Patients Based on the Count of Drugs for Their Therapy
- Build Revenue Projections Reports
- Impact of Pre-paid Plans on the Preferences of Investors
- k-means cluster Analysis on Iris Dataset

MS-SQL

- Writing Complex Subqueries
- Querying a Large Relational Database
- Relational Database Design

Certification

After the completion of the course, you will get certificates from IBM, Microsoft, and Intellipaat.





Intellipaat Success Stories



Vishal Pentakota

The best part of this online course is the series of hands-on demonstrations the trainer performed. Not only did he explain each concept theoretically but he also implemented all those concepts practically. Great job! A must go for beginners.



Shreyashkumar Limbhetwala

I want to talk about the rich LMS that Intellipaat Data Science training offered. The extensive set of PPTs, PDFs, and other related course material were of the highest quality, and due to this, my learning with Intellipaat was excellent. I could clear the Cloudera Data Scientist certification in the first attempt.



Giri Karnal

I had taken the Data Science master's program which is a combo of SAS, R, and Apache Mahout. Since there are so many technologies involved in the Data Science course, getting your query resolved at the right time becomes the most important aspect. But with Intellipaat, there was no such problem as all my queries were resolved in less than 24 hours.



Sharath Reddy Yellapati

The course material was very well organized. The trainer explained each module to me from the basics. All my queries were addressed very clearly. The trainer also made me realize how important this course is for beginners in the IT stream.

CONTACT US

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