



Data Analytics Course Online 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 such as Data Science, R programming, Tableau, SAS, MS Excel, 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.

IBM

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 the 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-recognized Microsoft certification
- Real-time projects and exercises

About IntelliPaat

IntelliPaat is one of the leading 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 learners to quickly learn difficult topics in no time. Our 24/7 technical support and career services will help them jump-start their careers in their dream companies.

Key Features



**140 HRS INSTRUCTOR-
LED TRAINING**



**112 HRS SELF-PACED
TRAINING**



**224 HRS REAL-TIME
PROJECT WORK**



LIFETIME ACCESS



24/7 TECHNICAL SUPPORT



INDUSTRY 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?

Intellipaate Data Analytics online course is exclusively designed by industry experts for the following professionals:

- 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. Introduction to Data Analytics
2. SQL for Data Analysis
3. Data Analytics Using R
4. Tableau Desktop 10
5. Business Analytics with Excel
6. Data Analytics Capstone Project

SELF-PACED LEARNING COURSES

1. Power BI
2. Advanced Excel
3. Statistics and Probability
4. SAS

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 a 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

SQL for Data Analysis

Learning Objective

This SQL course enables you to manage database solutions and various operations on databases, migrate them to the cloud, and scale them on demand. You will work on real-world projects and master Transact-SQL. In this online classroom training, you will also receive official SQL certification course material issued by Microsoft for Querying Data with Transact-SQL and Developing SQL Databases. Accredited by Microsoft, this online SQL training by Microsoft-certified experts is the best you can get in the marketplace today.

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
- Advanced Topics
- Managing Database Concurrency
- Programming Databases Using Transact-SQL
- Microsoft Courses: Study Material

Data Analytics Using R

Learning Objective

This Data Scientist course in collaboration with IBM offers you multiple courses on Data Science to let you master skills such as data analytics, R programming, statistical computing, Machine Learning algorithms, k-means clustering, and more. It includes multiple hands-on exercises and project work in the domains of banking, finance, entertainment, etc. Intellipaat's online Data Science courses are well recognized across

500+ employers helping you to land in your dream job.

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

Self-paced Course Content

- Introduction to Artificial Intelligence
- Time Series Analysis
- Support Vector Machine (SVM)
- Naïve Bayes
- Text Mining

TABLEAU DESKTOP 10

Learning Objective

Intellipaat's Tableau certification training will help you master building interactive dashboards and performing data visualization. This Tableau course will prepare you for the Tableau Desktop Qualified Associate exam. You will learn about Desktop and Public integration with R and Big Data in this Tableau Desktop certification. The course is best for software developers, systems and IT administrators, and BI experts.

Topics:

- Introduction to Data Visualization and the 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

Business Analyst

Learning Objective

Intellipaate's Business Analyst Course is an industry-designed online course to learn the core competencies of Business Analysts, requirement planning and elicitation, project management, Business Analyst tools and techniques, business process modeling, and more through hands-on projects and case studies. Enroll in this Business Analyst training now.

Topics:

- Introducing business analyst
- Understanding business needs
- Project management
- Techniques used by business analysts
- Software project methodologies
- UML with Microsoft Vision

Self-paced Courses

As part of this online classroom training, you will receive three additional self-paced courses co-created with IBM and Microsoft, namely SAS, Power BI, Advanced Excel, and Statistics and Probability. Moreover, you will also get 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 10

- Understanding Global COVID-19 Mortality Rates

- Understanding the UK Bank Customer Data
- Understanding Financial Data
- Understanding Agriculture Data

SAS

- Categorization of Patients Based on the Count of Drugs Used for Their Therapy
- Building Revenue Projections Reports
- Impact of Pre-paid Plans on the Preferences of Investors
- K-means Cluster Analysis on the 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.





CERTIFICATE OF COMPLETION

This Certificate Is Presented To

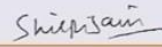
Your Name

Who has successfully completed all the requirements stipulated by IntelliPaat for

Course Name

to achieve professional excellence

Issue Date: January 2, 2020



Mrs. Shilpi Jain
Director,
IntelliPaat Software Solutions Pvt Ltd.

VERIFIED
CERTIFICATE

Certificate ID 31679-119525-18232

Success Stories



Kevin K Wada

Thank you very much for your top-class service. A special mention should be made for your patience in listening to my queries and giving me a solution, which was exactly what I was looking for. I am giving you a 10 on

10!



Sampson Basoah

The IntelliPaat team helped me in selecting the perfect course that suits my profile. The whole course was practically oriented, and the trainers are always ready to answer any question. I found this course to be impactful.

Thank you.



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.



Giri Karnal

I had taken up the Data Analytics master's program, which is a combo of SAS, R, and Tableau Desktop. Since there are so many technologies involved in this program, 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 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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If you have any further queries or just want to have a conversation with us, then do call us.

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