



DIGITAL EXCEL  
ACADEMY

DIGITAL EXCEL  
TRAINING AND CONSULTANCY

DATA ANALYST  
BECOME EXPERT  
DATA ANALYSIS  
WITH PYTHON



[www.digitalexcelgroup.com](http://www.digitalexcelgroup.com)



# ABOUT US

At Digital Excel LTD, we are not simply a company; we are a symphony of passionate entrepreneurs and digital experts, united by a shared vision of redefining possibilities. Our journey began with a spark of innovation, ignited by visionary entrepreneurs who believed in the power of knowledge sharing and the magic of collaboration. Today, we stand as a dynamic collective, a fusion of diverse talents hailing from various industries, each note resonating with a commitment to drive transformative change.

Our goal is etched into every facet of our work to unlock the limitless potential within individuals and organizations. Guided by this purpose, we embrace challenges as opportunities for innovation, armed with cutting-edge technologies and strategic insights. Collaboration is at our core, forging partnerships that transcend the conventional client-provider relationship. Together, we co-create tailored strategies that animate visions and pioneer solutions that drive growth and impact. At Digital Excel, innovation is our heart-beat, propelling us to embrace change, stay ahead of trends, and reimagine possibilities. We measure success not merely by metrics but by the profound transformations we catalyze streamlined efficiency, enriched customer experiences, and expanded horizons. Through continuous measurement and refinement, we shape a brighter, more prosperous future for our partners



## Consultancy

We are passionate about knowledge transfer partnerships and supporting our clients to reach their potential. DX is a digital transformation provider that brings the power of a design-led approach to digital process simplification.

Our mission is all about incorporating emerging technologies to improve the experience design, customer experience, and marketing transformation.



## Academy

### Unleash Your Potential with Digital Excel Academy

We nurture the seeds of knowledge and cultivate the garden of innovation. Here, we are more than educators; we are mentors, empowering curious minds to explore, learn, and thrive.

Our academy is a sanctuary where the pursuit of excellence is celebrated, where individuals and organizations come to harness the power of skills and insights.



**“Digital transformation:  
where innovation meets opportunity”**

Our consultancy services are meticulously crafted to decode complexities and drive growth. We don't just provide solutions; we sculpt strategies that propel businesses forward. Let us navigate the digital landscape together, unlocking new horizons and redefining success.

Step into our Academy, a realm of knowledge and creativity, where minds are nurtured and talents are honed. From cutting-edge technologies to industry insights, we empower you with the tools to shape the future.



# Academy Services

## Unlock Your Digital Potential with Digital Excel Academy

Are you ready to harness the power of cutting-edge digital skills and embark on a journey towards securing rewarding careers in thriving industries? Look no further. Welcome to the Digital Excel Academy, where transformation begins, and opportunities flourish.

Led by a seasoned team of industry professionals with over two decades of hands-on experience in the digital realm, Digital Excel Academy is your gateway to a world of knowledge, expertise, and growth. Our mission is simple yet profound: to empower you with the skills, insights, and practical prowess needed to redefine your professional trajectory.

At the heart of our approach are transformative, hands-on workshops that propel you into action right from day one. Whether you're a seasoned professional seeking to upskill or an aspiring newcomer aiming to dive into the digital landscape, our workshops are meticulously designed to address your unique needs and drive tangible results that reverberate in your workplace. Our expertise is laser-focused on the following technical domains:

01

### Data Science and Artificial Intelligence

Dive deep into the realms of data, analytics, and AI, unlocking insights that fuel informed decision-making and drive future-forward innovations.

02

### Cyber Security

Navigate the intricate world of cybersecurity, fortifying digital landscapes against threats and ensuring digital tranquility.

03

### Cloud Computing Technologies

Ascend to the cloud, mastering the technologies that underpin modern computing and revolutionize the way businesses operate.

04

### Computer Programming

Delve into the art and science of coding, equipping yourself with the language of digital innovation and problem-solving.

Our training courses are meticulously curated by Digital Excel's experts, distilled from their technical acumen and honed through years of delivering high-quality learning experiences. With adaptable delivery modes – virtual and face-to-face workshops we cater to your preferences, ensuring a seamless learning journey that aligns with your career aspirations and organizational needs.

# PARTNERS



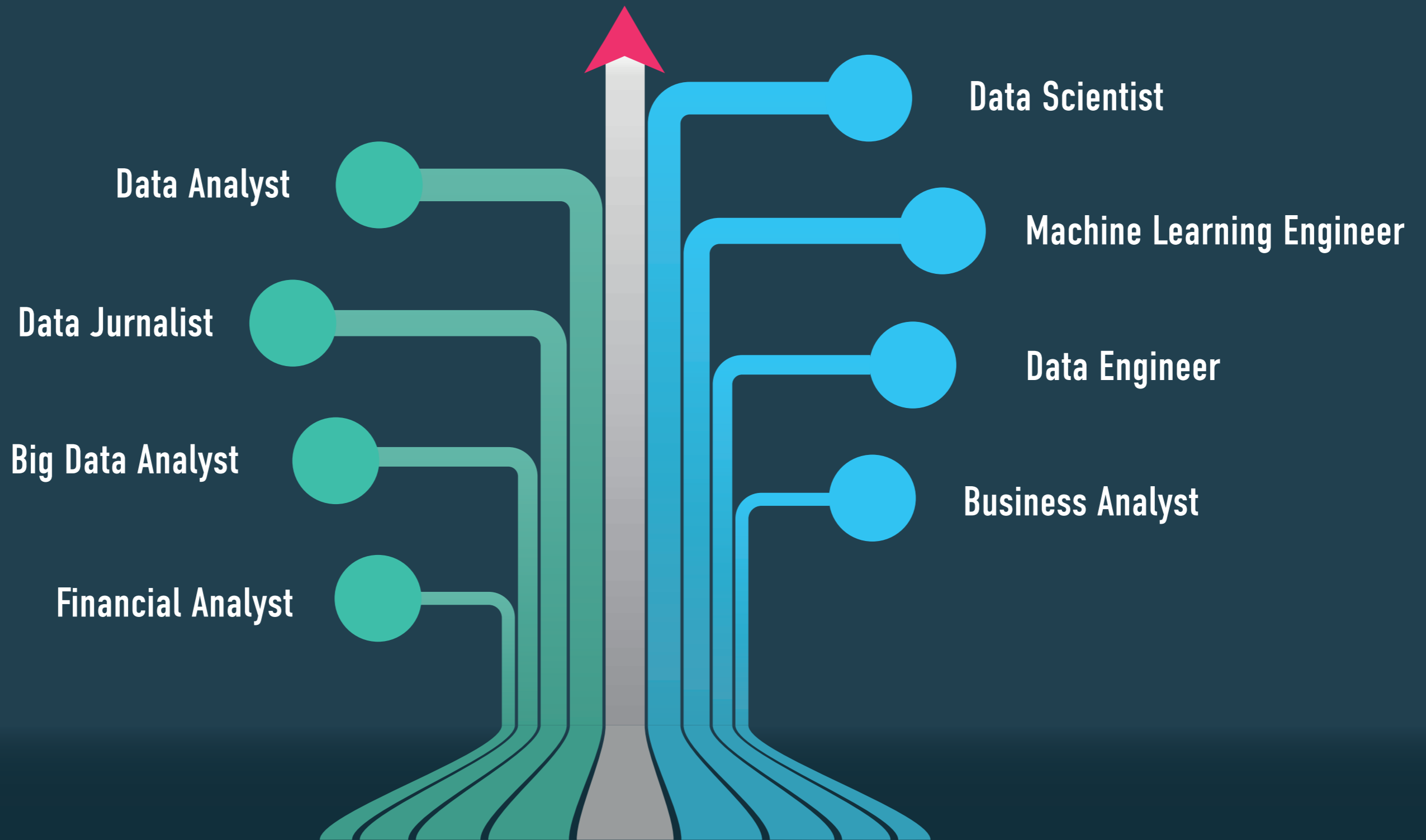
Digital Excel's partners are some of the most respected companies in the region and they work with us to provide technical consulting services in the field of information technology, specifically the field of digital transformation, cybersecurity and data science. This partnership provides a pioneering model in providing advisory services to help companies and individuals grow, innovate and thrive. Our extensive knowledge and experience in the field of computing has made us a trusted partner for the largest international companies in the field of digital transformation, Data Science, Cloud Computing and cybersecurity. We push for the policy changes that our members want to see. We are proud to be partners (listed below) in promoting and developing the digital industry worldwide.



# Data Science Career Paths



ROAD TO SUCCESS





# Your Learning Journey

Embark on a harmonious journey through the Data Analyst Learning Paths by Digital Excel, where data unfolds like musical notes, and insights resonate like a symphony. These paths are not just courses; they are your gateway to orchestrating the art of analysis, where you'll decipher the rhythmic patterns of data, compose narratives of significance, and conduct the transformative power of insights. With Digital Excel as your maestro, join the ensemble of curious minds and let the melody of data lead you to a crescendo of understanding, innovation, and mastery.



## By learning from industry expert

Our instructors are fully-vetted with industry experience.



## Gaining work ready skills

Learn up-to-date tech innovations with real-world projects.



## In a state-of-the-art learning environment

Network, collaborate and co-work with peers online or offline.



## Kickstart your career in Tech

85% of learners find a job after 6 months with a certificate of completion.

Launch



Get Started  
Join now





# Road to become a Data analyst





# Achieve Data Analyisy Mastery

## From Zero to Hero

### Data Analyst

A data analyst is essentially a junior data scientist. It's the perfect place to start if you're new to a career in data and eager to cut your teeth. Data analysts don't have the mathematical or research background to invent new algorithms, but they have a strong understanding of how to use existing tools to solve problems.

### Skills and tools

Data analysts need to have a baseline understanding of five core competencies: programming, statistics, machine learning, data munching, and data visualization. Beyond technical skill, attention to detail and the ability to effectively present results are equally important to be successful as a data analyst.

### How it translates

Data analysts are given direction from more experienced data professionals in their organization. Based on that guidance, they acquire, process, and summarize data. Data analysts are the ones managing the quality assurance of data scraping, regularly querying databases for stakeholder requests, and triaging data issues to come to timely resolutions. They also then package the data to provide digestible insights in narrative or visual form. An enduring curiosity about data and close examination of evolving best practices and tools serves all data professionals well, no matter the level of seniority.

### What Data Analysts Make

Data analysts are in extremely high demand, and for good reason the work itself is demanding. According to PAYSAs (who provide the dynamic salary data) Data Analyst salaries can range from \$85k-125k!

As the need for data pros amplifies, so does the interconnecting web of data jobs. Data analysts often work closely with data scientists (note: some organizations conflate the two titles), database administrators, data engineers and probably additional roles as the industry continues to develop.

Here is some financial context for your prospects as a data analyst, according to DataJobs.

National salary ranges for the following data jobs:

- Data analyst (entry level): \$50,000-\$75,000
- Data analyst (experienced): \$65,000-\$110,000
- Data scientist: \$85,000-\$170,000
- Data engineer (junior/generalist): \$70,000-\$115,000
- Data engineer (domain expert): \$100,000-\$165,000

Each of these roles contributes critically to obtaining, analyzing, and delivering data. Embarking on a career as a data analyst gives you plenty of options down the road as you hone your skills.

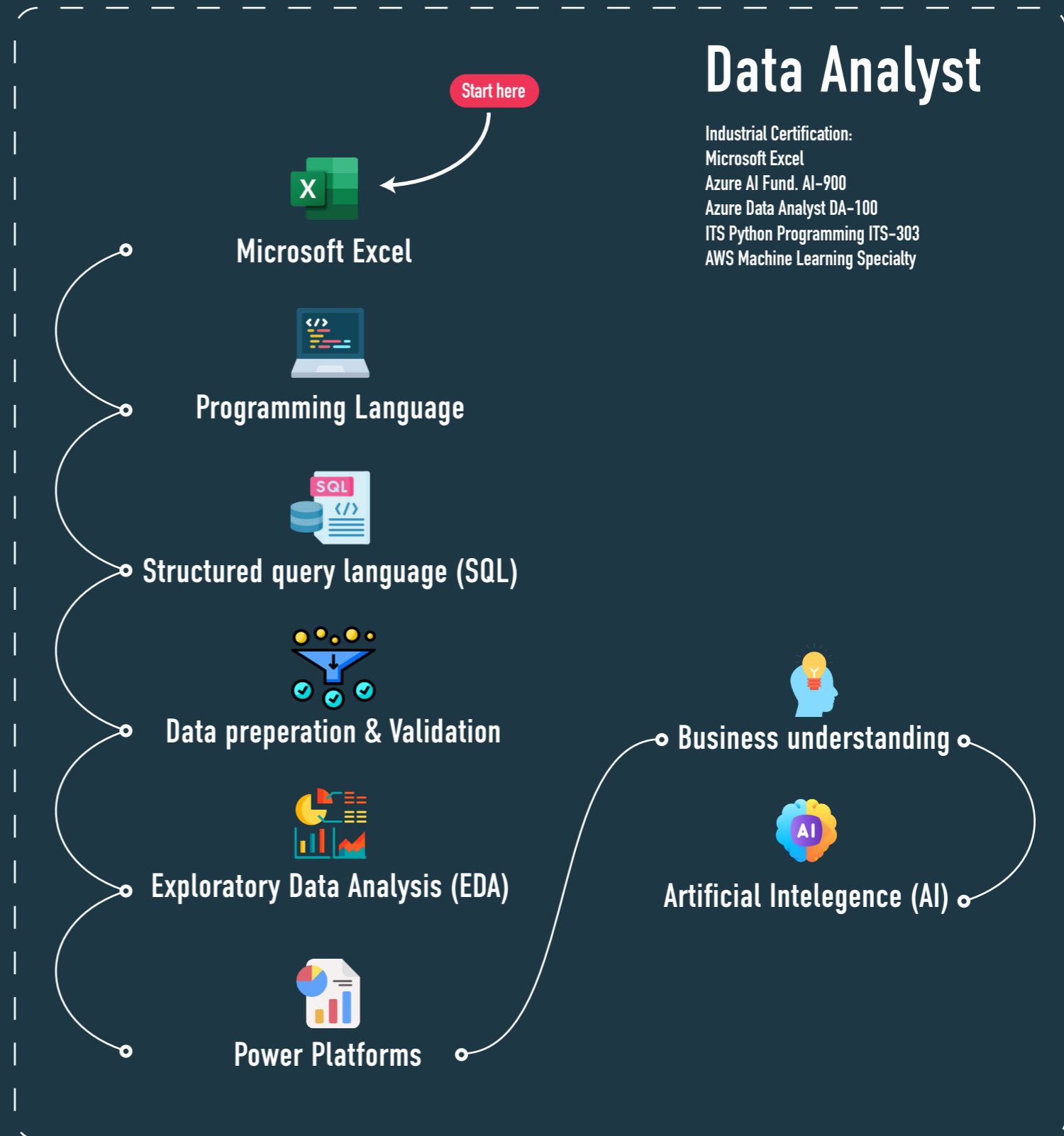


# Road to Become Data Analyst

## All Courses Include

- 1- Microsoft office 365 subscription for 6 months
- 2- Access to Digital Excel Learning Platform
- 3- Access to all materials and labs
- 4- Hands-on Experience
- 5- Working on real project
- 6- Preparation for the Microsoft Azure Data Exam
- 7- Digital Excel Completion Certificate

- Flixable hours (6h per week) (Total: 50 Hours)
- Limited seats (25)
- Hands-on Experience
- 25% Discount for first 10 Students
- Optional Microsoft Data Exam (Cost \$150)



# Data Analysis Training

Course Outlines **50 Hours**



## Topic 1: Microsoft Excel

- Manage Worksheets and Workbooks
- Manage Data Cells and Ranges
- Manage Tables and Table Data
- Perform Operations by using Formulas and Functions
- Manage Charts

## Topic 2: Operations using Data Types and Operators

- Evaluate expressions to identify the data types Python assigns to variables
- Perform and analyze data and data type operations
- Determine the sequence of execution based on operator precedence
- Select operators to achieve the intended results

## Topic 3: Flow Control with Decisions and Loops

- Construct and analyze code segments that use branching statements
- Construct and analyze code segments that perform iteration

## Topic 4: Input and Output Operations

- Construct and analyze code segments that perform file input and output operations
- Construct and analyze code segments that perform console input and output operations

## Topic 5: Code Documentation and Structure

- Document code segments
- Construct and analyze code segments that include function definitions

## Topic 6: Troubleshooting and Error Handling

- Analyze, detect, and fix code segments that have errors
- Analyze and construct code segments that handle exceptions
- Perform unit testing

## Topic 7: Operations using Modules and Tools

- Perform basic file system and command-line operations by using built-in modules
- Solve complex computing problems by using built-in modules

## Topic 8: Data Basics

- Define the concept of data
- Describe basic data variable types
- Describe basic structures used in data analytics
- Describe data categories

## Topic 9: Data Manipulation

- Import, store, and export data
- Clean data
- Organize data
- Aggregate data

## Topic 10: Data Analysis

- Describe and differentiate between types of data analysis
- Describe and differentiate between data aggregation and interpretation metrics
- Describe and differentiate between exploratory data analysis methods
- Evaluate and explain the results of data analysis
- Define and describe the role of artificial intelligence in data analysis

## Topic 11: Data Visualization and Communication Responsible Analytics Practices

- Report data
- Create visualizations from data
- Derive conclusions from a data visualization
- Describe data privacy laws and best practices
- Describe best practices for responsible data handling
- Given a scenario, describe types of bias that affect collection and interpretation of data

# FAQs



## What are the learning outcomes or objectives?

- Microsoft Excel: Efficiently manage worksheets, workbooks, and tables, and utilize formulas, functions, and charts for data analysis.
- Python Programming: Manipulate data types, implement flow control, handle input/output operations, and document and structure code effectively.
- Error Handling and Testing: Detect and fix errors, handle exceptions, and perform unit testing in Python code.
- Data Analysis Using Python: Import, clean, organize, and analyze data, create visualizations, and follow data privacy best practices.

## What is the duration of the course?

The course spans a total of 50 hours, with sessions held twice a week for 3 hours each.

## What is the cost of the course?

The cost of the course is 199\$. This fee covers all instructional materials, access to necessary software, and the certification upon completion.

## Can I pay on installment?

Yes, installment payment options are available. We offer a flexible payment plan that allows you to pay in a maximum of three installments, accommodating different financial situations.

## How do I make a payment?

Payments for the course can be made using Visa, MasterCard, Stripe, PayPal, or CliQ. These options ensure flexibility and convenience, allowing you to choose the method that best suits your needs.

## Are there any additional costs (e.g., textbooks, software)?

No, there are no additional costs for textbooks or software. The course will provide all necessary materials and any other required software.

## Are there any prerequisites for the course?

There are no specific prerequisites for this course. It is designed to accommodate learners of all levels, from beginners to those with some prior experience.

## Is the course delivered online, in-person, or as a hybrid?

The course is delivered online through live sessions, allowing students to participate and interact with instructors and peers in real-time from any location.

## How does the course prepare students for real-world applications or careers?

This training course equips students with practical skills for real-world applications and careers. Through hands-on projects, students gain experience in managing data, coding in Python, and analyzing datasets. The curriculum focuses on in-demand skills like advanced Excel, Python programming, and data analysis, preparing students to solve workplace challenges and make data-driven decisions. Additionally, the course covers industry-standard tools and best practices in data privacy, documentation, and code structure, ensuring readiness for professional environments.

## Are there any deadlines for enrollment?

Students must enroll in the training course at least 72 hours before the first session. This deadline ensures that all necessary preparations are made and students have access to required materials and information before the course begins.

## How often is the course content updated?

The course content is reviewed and updated annually to ensure it remains current with industry standards and incorporates the latest advancements in technology and best practices.

## What is the process for enrolling in the course?

To enroll in the course, students need to fill out an enrollment form or directly contact us. This allows us to collect necessary information and ensure you have access to all course materials and sessions. Once the form is submitted or contact is made, further instructions and confirmation details will be provided.

## How can students access the course materials?

Students can access the course materials through our learning platform iExcel. This platform provides all necessary resources, including training material, assignments, and additional reading materials, ensuring that students have everything they need to succeed in the course.

## What is the policy on attendance or participation?

Regular attendance and active participation are crucial for successful completion of the course. Students are expected to attend all live sessions and engage in discussions, assignments, and group activities. Attendance will be monitored, and participation in all scheduled sessions is required to receive the certificate of completion. If a student needs to miss a session, they should inform the instructor.

## How can students provide feedback on the course?

Students can provide feedback on the course through two primary channels: an online feedback form and direct emails. The online form is designed for structured feedback and can be accessed via the course portal. For more personalized or detailed feedback, students are encouraged to send direct emails to the course instructors or support team. These methods ensure that all feedback is received and addressed promptly.

# DIGITAL EXCEL

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## FOLLOW US



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