



Machinfy Professional Data Analysis

Machinfy is the First Training Academy with Hiring Platform in Egypt

MPDA



Website
www.machinfy.com



Introduction

To make optimal decisions, it's imperative to thoroughly gather relevant information from various sources. One effective method is through data analysis. A proficiency in data analysis is indispensable for any managerial or technical role involving data, numbers, reports, spreadsheets, systems, and more. It serves as a key metric for performance assessment, where numbers and visuals succinctly summarize events. Hence, mastering the presentation of business numbers and KPIs is essential.



Vision & Mission

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Our Vision

The top-rated professional educational training provider in the Middle East and North Africa

Our Mission

Our mission is to enhance technical and professional skills, augmenting market capabilities with exceptional proficiency for individuals and corporations alike.

Accreditations

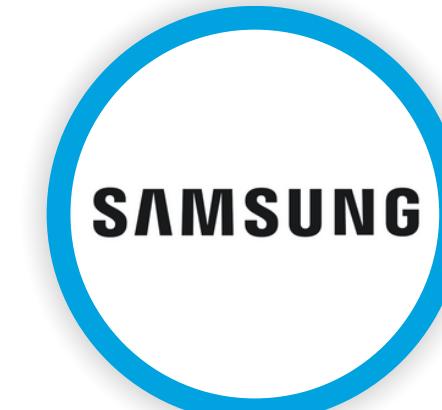
- Machinfy holds prestigious endorsements from ISO, IAF, EGAC, and ITIDA, reflecting our dedication to excellence and industry recognition.
- Delivering programs tailored to market needs with updated content, ensuring trainees achieve their goals in line with current labor market demands.
- Facilitating the connection of highly skilled graduates with leading companies in the market, aiding them in launching their careers successfully.





Success Partners

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Why Machinfy?

Machinfy Academy is the only training institution that combines real-world expertise from experienced trainers, personalized mentor support, immersive interview simulations, and exceptional after-sales services to ensure our students' success both during and after their learning journey.

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-  **Hiring Platform**
-  **Certified Academy**
-  **Updated Content**
-  **Mentor Support**
-  **Experienced Trainer**
-  **Practical Projects**
-  **Long-Life Material Access**
-  **Graduation Project Presentation**
-  **Interview Simulation**
-  **Hiring/Internship Recommendations**
-  **Free Consultation**
-  **After-Sales Service and Support**
-  **Certified by ISO, ITIDA, and NQI**
-  **Friendly and Supportive Team**

Expected Outcomes

After completing the training program, you'll be able to:

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Impress



Win



Make



Automate



your manager with professional reports



a career growth opportunities



a data-driven decisions and drive a revenue growth



the daily tasks, reports and emails



Move



to the next position and improve your career path



Develop

advanced analytical skills



Increase

the quality, productivity and efficiency of your work



Merge

Data Analysis into your day-to-day work

Program Details

From Scratch to advanced Level

**75
Training Hours**

**AI Powered
content**

**32
Plus Hours**

**SELECT
Hiring Platform**

**107
Hours**



Program Content

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Excel

16 Hours

4 Sessions



Power BI

32 Hours

8 Sessions



Python

12 Hours

3 Sessions



SQL

12 Hours

3 Sessions



AI Tools

3 Hours

1 Sessions

Excel is a versatile spreadsheet tool for analysis, calculations, visualization, and efficient business management.

Power BI is a dynamic tool for data visualization, business intelligence, and interactive report generation.

Python is a versatile programming language for development, data analysis, automation, and machine learning.

SQL is a powerful language for managing, querying, and analyzing structured data in databases.

AI in data analysis automates insights, enhances accuracy, identifies patterns, and drives data-driven decisions.

Excel Basics



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- Lists And Edit Custom Lists
- Fill Series
- Named Ranges
- Basic Conditional Formatting
- Advanced Conditional Formatting
- Copy , Paste Options And Paste Operations
- Simple Functions
- IF Function
- Flash Fill, Text To Column and Remove Duplicates
- Excel Functions
- Conditions
- SUMPRODUCT

Advanced Excel

- INDEX And MATCH
- VLOOKUP and XLOOKUP
- Database Functions
- Sorting
- Filters
- What if Analysis
- Solver
- Consolidation
- Sparklines
- Data Validation
- Pivot Tables and Pivot Charts
- Power Pivot



Power BI Basics



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- Introduction to Power BI
- Power BI and BI definition
- Power BI parts and blocks
- Installing power BI Desktop app
- Getting start with interface
- Data Modeling and system analysis concepts
- Using DAX
- Measures
- New columns
- New table
- AI with Quick Measures
- Functions

Data Cleaning

- Get Data from different sources
- Data cleaning and transformation
- Promote header
- Change data types
- Remove columns and rows
- Split and extract columns
- Grouping columns
- Transforming date
- Merge the date fields
- Unpivot columns
- Pivot columns



Data Visualization

- Data visualization
- Visual Types
- Formats
- Conditional formatting
- Using AI visuals
- Q&A , Decomposition tree
- Smart narrative
- Enhancing reports with Bookmarks
- sync slicer
- Row-Level-Security (RLS)



Publishing

- Publishing the report
- Scheduling refresh
- Data Gateway
- Sharing reports
- Create auto report
- Create Quick Insights
- Create Dashboard
- working with rolls
- working with Bookmarks.



Database using SQL

- Types of Databases
- Database design
- Intro to MySQL
- Select
- Where
- Aggregation Functions
- Group by
- Join
- Connect Power BI to MySQL
- Answer Business Questions



Python for Data Analysis

- Difference between programming and tools
- Why Python
- Python Basics
- Data Types
- Flow Control
- Data Manipulation in Python
- Data Preprocessing in Python
- Data Visualization in Python
- Python Vs. Power BI



Bonus Courses

Our training academy offers bonus courses, allowing you to explore additional tools and skills for free.

Enhance your expertise, broaden your knowledge, and maximize your learning experience at no extra cost!



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01

Tableau

- Introduction to tableau
- Connect to data
- Data modeling in tableau
- Visualize your data
- Filter data
- Add Calculated Column
- Create Dashboard and story

02

Looker Studio

- Connect to data source
- Create Report
- Work with explorer
- Save and share your report

03

Power Automate

- Create Account
- Overview and intro
- Create A Data-Driven Alert In Power BI
- Automate Power BI Report Builder Using Power Automate
- Schedule A Export & Email Of Power BI Report Builder Pages

Certificate



CERTIFICATE

THIS IS CERTIFY THAT

Your Name goes here

EGYPTIAN - NID: Your National ID goes here

Has Successfully Passed the Training Program

Course Name goes here

Consisting of **70** Training Hours With Grade: **Very Good**



Issue Date: **2024-12-28**

Certificate No: **MFA-bb1-6c**

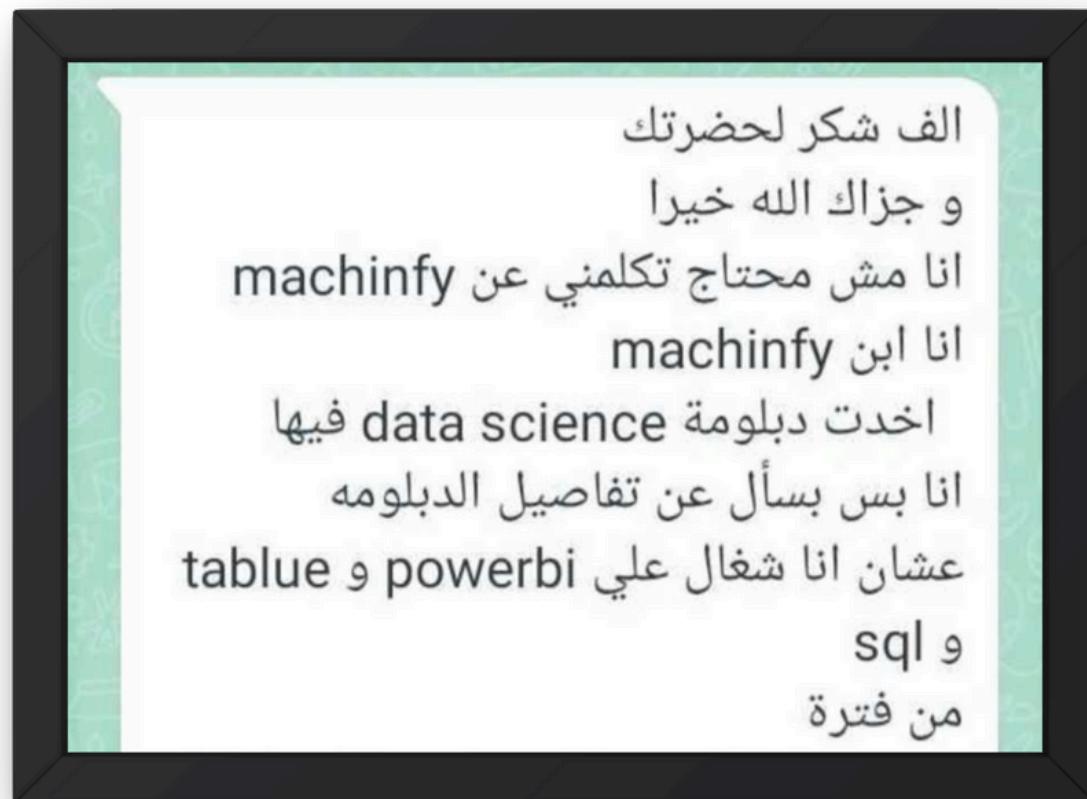
Sayed A. Omar

Manager Signature

Testimonials



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Have a Great Journey

Keep in Touch



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